BANK and QUOTATION RECORD

REG. U. S. PATENT OFFICE

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August 1963

William B. Dana Company, Publishers

25 Park Place, New York 8, N. Y.

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REG. U. S. PATENT OFFICE

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WILLIAM B. DANA COMPANY, Publishers
25 Park Place, New York 7

Volume of Business on New York Stock Exchange

Month of July—	1963	1962	1961	1960
Stock sales (shares)	76,282,904	74,161,696	60,898,990	53,780,465
Bond sales (par value)—	$	$	$	$
Railroad and misc.	81,676,700	108,526,000	125,804,000	87,282,000
International Bank	------	15,000	------	------
Foreign govt.	14,196,100	7,972,000	5,757,000	6,413,500
United States Govt.	------	------	------	------
Total bond sales	95,872,800	116,513,000	131,561,000	93,695,000
Jan. 1 to July 31—	1963	1962	1961	1960
Stock sales (shares)	633,135,303	566,062,665	632,691,321	446,702,386
Bond sales (par value)—	$	$	$	$
Railroad and misc.	702,024,500	897,858,400	946,297,000	761,721,600
International Bank	286,000	15,000	------	------
Foreign govt.	65,379,200	51,828,400	42,746,700	42,803,450
United States Govt.	------	------	2,000	4,500
Total bond sales	95,872,800	116,513,000	131,561,000	93,695,500

Volume of Business on American Stock Exchange

Month of July—	1963	1962	1961	1960
Stock sales (shares)	23,672,660	20,073,540	23,081,480	20,372,100
Bond sales (par value)—	$	$	$	$
Domestic	5,445,000	4,092,000	2,791,000	1,683,000
Foreign govt.	308,000	229,000	109,000	137,000
Foreign corporate	46,000	109,000	149,000	208,000
Total bond sales	5,799,000	4,430,000	3,229,00	2,028,000
Jan. 1 to July 31—	1963	1962	1961	1960
Stock sales (shares)	169,069,033	190,767,209	324,654,705	164,239,403
Bond sales (par value)—	$	$	$	$
Domestic	44,160,000	42,193,000	30,373,000	16,008,000
Foreign govt.	1,839,000	1,150,000	1,707,000	877,000
Foreign corporate	304,000	991,000	1,181,000	686,000
Total bond sales	46,303,000	44,334,000	33,261,000	17,571,000

Dow-Jones Closing Stock Averages

	Industrials 30	Railroads 20	Utilities 15	Stocks Total 65	Big Board Volume
July 1	701.35	173.04	138.60	253.60	3,362,860
July 2	708,94	174.47	139.11	255.83	3,533,550
July 3	713.36	175.59	139.15	257.13	4,027,160
July 4	Holiday				
July 5	716.45	174.75	139.35	257.54	2,911,090
July 6	Saturday				
July 7	Sunday				
July 8	710.66	172.07	139.23	255.37	3,285,475
July 9	714.09	174.25	139.49	256.93	3,826,070
July 10	712.12	175.00	139.11	256.65	3,727,160
July 11	709.76	174.87	139.39	256.24	4,101,110
July 12	707.70	174.00	139.61	255.59	3,657,000
July 13	Saturday				
July 14	Sunday				
July 15	703.28	172.99	138.67	254.00	3,286,450
July 16	702.12	172.66	138.14	253.46	2,996,867
July 17	699.72	171.37	137.88	252.42	3,936,840
July 18	695.90	170.28	137.76	251.22	3,710,640
July 19	693.89	169.29	137.95	250.53	3,340,690
July 20	Saturday				
July 21	Sunday				
July 22	688.71	167.06	137.16	248.41	3,700,925
July 23	687.84	164.88	137.47	247.57	3,503,017
July 24	690.88	165.07	137.25	248.18	2,812,170
July 25	687.71	165.92	138.24	248.19	3,705,150
July 26	689.38	165.79	138.87	248.71	2,513,460
July 27	Saturday				
July 28	Sunday				
July 29	690.71	166.17	139.42	249.32	2,842,890
July 30	696.42	167.21	140.12	251.09	3,544,340
July 31	695.43	166.96	140.00	250.76	3,957,990

Averages are compiled daily by using the following divisors: Industrials, 2.914;Rails, 5.04; Utilities, 5.20; 65 stocks, 14.34.

Rates for Money at New York

Call Loans on Stock Exchange:	July 5	July 12	July 19	July 26
Range for week (mixed and industrial collateral)	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Time loans (mixed and industrial collateral)—				
Thirty days	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Sixty days	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Ninety days	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Four months	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Five months	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Six months	3¾@4½	3¾@4½	3¾@4½	3¾@4½
Commercial paper—				
Double and single names Prime 4 to 6 months	3½@4	3½@4	3½@4	3½@4

Call Loan Rates on the New York Stock Exchange

	Low	High	Renewal		Low	High	Renewal
July 1	3¾@4½	3¾@4½	3¾@4½	July 17	3¾@4½	3¾@4½	3¾@4½
July 2	3¾@4½	3¾@4½	3¾@4½	July 18	3¾@4½	3¾@4½	3¾@4½
July 3	3¾@4½	3¾@4½	3¾@4½	July 19	3¾@4½	3¾@4½	3¾@4½
July 4	Holiday			July 20	Saturday		
July 5	3¾@4½	3¾@4½	3¾@4½	July 21	Sunday		
July 6	Saturday			July 22	3¾@4½	3¾@4½	3¾@4½
July 7	Sunday			July 23	3¾@4½	3¾@4½	3¾@4½
July 8	3¾@4½	3¾@4½	3¾@4½	July 24	3¾@4½	3¾@4½	3¾@4½
July 9	3¾@4½	3¾@4½	3¾@4½	July 25	3¾@4½	3¾@4½	3¾@4½
July 10	3¾@4½	3¾@4½	3¾@4½	July 26	3¾@4½	3¾@4½	3¾@4½
July 11	3¾@4½	3¾@4½	3¾@4½	July 27	Saturday		
July 12	3¾@4½	3¾@4½	3¾@4½	July 28	Sunday		
July 13	Saturday			July 29	3¾@4½	3¾@4½	3¾@4½
July 14	Sunday			July 30	3¾@4½	3¾@4½	3¾@4½
July 15	3¾@4½	3¾@4½	3¾@4½	July 31	3¾@4½	3¾@4½	3¾@4½
July 16	3¾@4½	3¾@4½	3¾@4½				

Daily Record of Time Loans

	Rates on Mixed Collateral					
	30 Days	60 Days	90 Days	4 Mos.	5 Mos.	6 Mos.
July 1	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 2	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 3	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 4	Holiday					
July 5	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 6	Saturday					
July 7	Sunday					
July 8	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 9	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 10	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 11	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 12	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 13	Saturday					
July 14	Sunday					
July 15	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 16	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 17	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 18	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 19	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 20	Saturday					
July 21	Sunday					
July 22	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 23	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 24	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 25	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 26	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 27	Saturday					
July 28	Sunday					
July 29	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 30	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½
July 31	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½	3¾@4½

Prime Bankers' Acceptances

	30 Days Bid Ask	60 Days Bid Ask	90 Days Bid Ask	120 Days Bid Ask	150 Days Bid Ask	180 Days Bid Ask
July 1	3⅜@3¼	3⅜@3¼	3⅜@3¼	3½@3⅜	3⅝@3½	3⅝@3½
July 2	3⅜@3¼	3⅜@3¼	3⅜@3¼	3½@3⅜	3⅝@3½	3⅝@3½
July 3	3⅜@3¼	3⅜@3¼	3⅜@3¼	3½@3⅜	3⅝@3½	3⅝@3½
July 4	Holiday					
July 5	3⅜@3¼	3⅜@3¼	3⅜@3¼	3½@3⅜	3⅝@3½	3⅝@3½
July 6	Saturday					
July 7	Sunday					
July 8	3⅜@3¼	3⅜@3¼	3⅜@3¼	3½@3⅜	3⅝@3½	3⅝@3½
July 9	3½@3⅜	3½@3⅜	3½@3⅜	3⅝@3½	3¾@3⅝	3⅝@3½
July 10	3½@3⅜	3½@3⅜	3½@3⅜	3⅝@3½	3¾@3⅝	3⅝@3½
July 11	3½@3⅜	3½@3⅜	3½@3⅜	3⅝@3½	3¾@3⅝	3⅝@3½
July 12	3½@3⅜	3½@3⅜	3½@3⅜	3⅝@3½	3¾@3⅝	3⅝@3½
July 13	Saturday					
July 14	Sunday					
July 15	3½@3⅜	3½@3⅜	3½@3⅜	3⅝@3½	3¾@3⅝	3⅝@3½
July 16	3½@3⅜	3½@3⅜	3½@3⅜	3⅝@3½	3¾@3⅝	3⅝@3½
July 17	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 18	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 19	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 20	Saturday					
July 21	Sunday					
July 22	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 23	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 24	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 25	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 26	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 27	Saturday					
July 28	Sunday					
July 29	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 30	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾
July 31	3⅝@3½	3⅝@3½	3⅝@3½	3¾@3⅝	3⅞@3¾	3⅞@3¾

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Daily Rates of Foreign Exchange

The figures shown below are the approximate cable rates in the New York market for each business day of the current month.

	‡Argentina Peso (Free)	‡Australia Pound	‡Austria Schilling	¶Belgium Franc	Bolivia Boliviano	——Brazil (Cruzeiro)—— Official	Free
July 1	.0071	2.2317	.0387	.0200	.0850	.0545	.00167
July 2	.0071	2.2319	.0387	.0200	.0850	.0545	.00167
July 3	.0070	2.2319	.0387	.0200	.0850	.0545	.00167
July 4	Holiday						
July 5	.0071	2.2320	.0387	.0200	.0850	.0545	.00167
July 6	Saturday						
July 7	Sunday						
July 8	.0072	2.2322	.0387	.0200	.0850	.0545	.00167
July 9	.0072	2.2320	.0387	.0200	.0850	.0545	.00167
July 10	.0072	2.2316	.0387	.0200	.0850	.0545	.00167
July 11	.0072	2.2317	.0387	.0200	.0850	.0545	.00167
July 12	.0072	2.2319	.0387	.0200	.0850	.0545	.00167
July 13	Saturday						
July 14	Sunday						
July 15	.0073	2.2319	.0387	.0200	.0850	.0545	.00167
July 16	.0073	2.2317	.0387	.0200	.0850	.0545	.00167
July 17	.0073	2.2316	.0387	.0200	.0850	.0545	.00167
July 18	.0073	2.2316	.0387	.0200	.0850	.0545	.00167
July 19	.0073	2.2312	.0387	.0200	.0850	.0545	.00167
July 20	Saturday						
July 21	Sunday						
July 22	.0074	2.2314	.0387	.0200	.0850	.0545	.00167
July 23	.0074	2.2315	.0387	.0200	.0850	.0545	.00167
July 24	.0074	2.2315	.0387	.0200	.0850	.0545	.00167
July 25	.0074	2.2315	.0387	.0200	.0850	.0545	.00167
July 26	.0073	2.2313	.0387	.0200	.0850	.0545	.00167
July 27	Saturday						
July 28	Sunday						
July 29	.0074	2.2314	.0387	.0200	.0850	.0545	.00167
July 30	.0074	2.2313	.0387	.0200	.0850	.0545	.00167
July 31	.0074	2.2314	.0387	.0200	.0850	.0545	.00167

	‡Canada Dollar	‡Ceylon Rupee	Chile Escudo	Colombia Peso (Free)	¶Czechoslovakia Koruna	Denmark Krone
July 1	.9275	.2101	.3400	.1010	.1400	.1451
July 2	.9274	.2101	.3400	.1010	.1400	.1451½
July 3	.9271	.2101	.3400	.1010	.1400	.1451
July 4	Holiday					
July 5	.9269	.2100	.3400	.1010	.1400	.1450½
July 6	Saturday					
July 7	Sunday					
July 8	.9267	.2101	.3400	.1010	.1400	.1450
July 9	.9261	.2101	.3400	.1010	.1400	.1450
July 10	.9260	.2101	.3400	.1010	.1400	.1449½
July 11	.9265	.2101	.3400	.1010	.1400	.1449¾
July 12	.9271	.2101	.3400	.1010	.1400	.1449½
July 13	Saturday					
July 14	Sunday					
July 15	.9296	.2101	.3400	.1010	.1400	.1449½
July 16	.9271	.2101	.3400	.1010	.1400	.1449½
July 17	.9270	.2101	.3400	.1010	.1400	.1449½
July 18	.9263	.2101	.3400	.1010	.1400	.1448½
July 19	.9220	.2101	.3400	.1010	.1400	.1448½
July 20	Saturday					
July 21	Sunday					
July 22	.9256	.2101	.3400	.1010	.1400	.1449
July 23	.9254	.2101	.3400	.1010	.1400	.1449
July 24	.9245	.2101	.3400	.1010	.1400	.1449
July 25	.9254	.2101	.3400	.1010	.1400	.1449
July 26	.9256	.2101	.3400	.1010	.1400	.1449
July 27	Saturday					
July 28	Sunday					
July 29	.9247	.2101	.3400	.1010	.1400	.1449
July 30	.9241	.2101	.3400	.1010	.1400	.1449
July 31	.9246	.2101	.3400	.1010	.1400	.1449

	Egypt Pound	‡England (Pound) Sterling	30 Days	60 Days	90 Days	‡Finland Markka	‡France (Metropolitan) New Franc
July 1	2.33	2.8008	2.8002	2.7991	2.7980	.3105	.2040
July 2	2.33	2.8011	2.8002	2.8002	2.7984	.3105	.2040
July 3	2.33	2.8011	2.8007	2.7997	2.7987	.3105	.2040
July 4	Holiday						
July 5	2.33	2.8011	2.8004	2.7994	2.7982	.3105	.2040
July 6	Saturday						
July 7	Sunday						
July 8	2.33	2.8015	2.8008	2.7998	2.7989	.3105	.2040
July 9	2.33	2.8012	2.8005	2.8997	2.7988	.3105	.2040
July 10	2.33	2.8007	2.8004	2.7996	2.7988	.3105	.2040
July 11	2.33	2.8008	2.8006	2.7998	2.7991	.3105	.2040
July 12	2.33	2.8011	2.8008	2.7999	2.7990	.3105	.2040
July 13	Saturday						
July 14	Sunday						
July 15	2.33	2.8011	2.8008	2.8001	2.7994	.3105	.2040
July 16	2.33	2.8008	2.8005	2.7998	2.7990	.3105	.2040
July 17	2.33	2.8007	2.8004	2.7997	2.7990	.3105	.2040
July 18	2.33	2.8007	2.8001	2.7994	2.7986	.3105	.2040
July 19	2.33	2.8001	2.8003	2.7997	2.7991	.3105	.2040
July 20	Saturday						
July 21	Sunday						
July 22	2.33	2.8005	2.8005	2.7999	2.7992	.3105	.2040
July 23	2.33	2.8006	2.8003	2.7998	2.7992	.3105	.2040
July 24	2.33	2.8006	2.8002	2.7997	2.7989	.3105	.2040
July 25	2.33	2.8005	2.7999	2.7992	2.7986	.3105	.2040
July 26	2.33	2.8004	2.7998	2.7991	2.7984	.3105	.2040
July 27	Saturday						
July 28	Sunday						
July 29	2.33	2.8005	2.8001	2.7995	2.7987	.3105	.2040
July 30	2.33	2.8004	2.8000	2.7993	2.7986	.3105	.2040
July 31	2.33	2.8004	2.7999	2.7991	2.7984	.3105	.2040

All other footnotes on page 3.

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Daily Rates of Foreign Exchange—Continued

	‡Germany Deutsche Mark	Hong Kong Dollar	‡India Rupee	Indonesia Rupiah	Iran Rial	Iraq Dinar	‡Ireland Pound	Italy Lira	‡Japan Yen
July 1	.2512	.1755	.2096	.0235	.0135	2.80	2.8008	.0016	.0027
July 2	.2512	.1755	.2096	.0235	.0135	2.80	2.8011	.0016	.0027
July 3	.2512	.1755	.2097	.0235	.0135	2.80	2.8011	.0016	.0027
July 4	Holiday								
July 5	.2512	.1755	.2096	.0235	.0135	2.80	2.8011	.0016	.0027
July 6	Saturday								
July 7	Sunday								
July 8	.2511	.1755	.2097	.0235	.0135	2.80	2.8015	.0016	.0027
July 9	.2511	.1755	.2097	.0235	.0135	2.80	2.8012	.0016	.0027
July 10	.2511	.1755	.2097	.0235	.0135	2.80	2.8007	.0016	.0027
July 11	.2512	.1755	.2096	.0235	.0135	2.80	2.8008	.0016	.0027
July 12	.2512	.1755	.2097	.0235	.0135	2.80	2.8011	.0016	.0027
July 13	Saturday								
July 14	Sunday								
July 15	.2512	.1755	.2097	.0235	.0135	2.80	2.8011	.0016	.0027
July 16	.2512	.1755	.2096	.0235	.0135	2.80	2.8008	.0016	.0027
July 17	.2511	.1755	.2096	.0235	.0135	2.80	2.8007	.0016	.0027
July 18	.2511	.1755	.2096	.0235	.0135	2.80	2.8007	.0016	.0027
July 19	.2509	.1755	.2096	.0235	.0135	2.80	2.8001	.0016	.0027
July 20	Saturday								
July 21	Sunday								
July 22	.2509	.1755	.2096	.0235	.0135	2.80	2.8005	.0016	.0027
July 23	.2510	.1755	.2096	.0235	.0135	2.80	2.8006	.0016	.0027
July 24	.2510	.1755	.2096	.0235	.0135	2.80	2.8006	.0016	.0027
July 25	.2509	.1755	.2096	.0235	.0135	2.80	2.8005	.0016	.0027
July 26	.2509	.1755	.2096	.0235	.0135	2.80	2.8004	.0016	.0027
July 27	Saturday								
July 28	Sunday								
July 29	.2508	.1755	.2096	.0235	.0135	2.80	2.8005	.0016	.0027
July 30	.2508	.1755	.2096	.0235	.0135	2.80	2.8004	.0016	.0027
July 31	.2508	.1755	.2096	.0235	.0135	2.80	2.8004	.0016	.0027

	Lebanon Pound	‡Malaysia Malayan Dollar	‡Mexico Peso	‡Netherlands Guilder	‡New Zealand Pound	‡Norway Krone	Pakistan Rupee	Paraguay Guarani	Peru Sol	Philippine Is. Peso
July 1	.3245	.3261	.0800	.2775	2.7731	.1399	.2103	.0081	.0374	.2570
July 2	.3245	.3262	.0800	.2775	2.7733	.1399	.2103	.0081	.0374	.2570
July 3	.3245	.3262	.0800	.2775	2.7733	.1399	.2103¼	.0081	.0374	.2570
July 4	Holiday									
July 5	.3250	.3262	.0800	.2776	2.7734	.1399	.2103¼	.0081	.0374	.2570
July 6	Saturday									
July 7	Sunday									
July 8	.3250	.3266	.0800	.2776	2.7737	.1399	.2103¼	.0081	.0374	.2570
July 9	.3250	.3266	.0800	.2776	2.7734	.1399	.2103	.0081	.0374	.2570
July 10	.3250	.3265	.0800	.2776	2.7730	.1399	.2103	.0081	.0374	.2570
July 11	.3250	.3262	.0800	.2777	2.7730	.1399	.2103	.0081	.0374	.2570
July 12	.3265	.3265	.0800	.2777	2.7730	.1399	.2103¼	.0081	.0374	.2570
July 13	Saturday									
July 14	Sunday									
July 15	.3265	.3265	.0800	.2777	2.7733	.1399	.2103¼	.0081	.0374	.2570
July 16	.3275	.3265	.0800	.2777	2.7730	.1399	.2103¼	.0081	.0374	.2570
July 17	.3275	.3265	.0800	.2776	2.7730	.1399	.2103	.0081	.0374	.2570
July 18	.3265	.3265	.0800	.2775	2.7729	.1399	.2102½	.0081	.0374	.2570
July 19	.3265	.3265	.0800	.2775	2.7724	.1399	.2102½	.0081	.0374	.2570
July 20	Saturday									
July 21	Sunday									
July 22	.3265	.3265	.0800	.2775	2.7727	.1399	.2103	.0081	.0374	.2570
July 23	.3260	.3265	.0800	.2776	2.7728	.1399	.2103	.0081	.0374	.2570
July 24	.3265	.3265	.0800	.2775	2.7728	.1399	.2103	.0081	.0374	.2570
July 25	.3265	.3265	.0800	.2774	2.7728	.1399	.2103	.0081	.0374	.2570
July 26	.3265	.3265	.0800	.2774	2.7726	.1399	.2102½	.0081	.0374	.2570
July 27	Saturday									
July 28	Sunday									
July 29	.3265	.3265	.0800	.2772	2.7727	.1399	.2102½	.0081	.0374	.2570
July 30	.3265	.3265	.0800	.2772	2.7726	.1399	.2102½	.0081	.0374	.2570
July 31	.3265	.3265	.0800	.2773	2.7727	.1399	.2102½	.0081	.0374	.2570

	‡Portugal Escudo	Saudi Arabia Riyal	Singapore Malayan Dollar	‡So. Africa Rand	‡Spain Peseta	‡Sweden Krone	‡Switzerland Franc	Turkey Lira	Uruguay Peso (Free)	——Venezuela—— Official	Free
July 1	.0349	.2250	.3274	1.3951	.0166	.1930	.2311	.0825	.0625	.3003	.2205
July 2	.0349	.2250	.3274	1.3953	.0166	.1931	.2312	.0825	.0625	.3003	.2205
July 3	.0349	.2250	.3274	1.3953	.0166	.1931	.2312	.0825	.0625	.3003	.2206
July 4	Holiday										
July 5	.0349	.2250	.3275	1.3953	.0166	.1929	.2312	.0825	.0625	.3003	.2206
July 6	Saturday										
July 7	Sunday										
July 8	.0349	.2250	.3275	1.3955	.0166	.1928	.2311	.0825	.0625	.3003	.2205
July 9	.0349	.2250	.3274	1.3953	.0166	.1928	.2311	.0825	.0625	.3003	.2205
July 10	.0349	.2250	.3274	1.3951	.0166	.1929	.2311	.0825	.0625	.3003	.2205
July 11	.0349	.2250	.3274	1.3951	.0166	.1931	.2311	.0825	.0625	.3003	.2205
July 12	.0349	.2250	.3275	1.3953	.0166	.1930	.2311	.0825	.0625	.3003	.2205
July 13	Saturday										
July 14	Sunday										
July 15	.0349	.2250	.3275	1.3953	.0166	.1931	.2312	.0825	.0625	.3003	.2205
July 16	.0349	.2250	.3274	1.3951	.0166	.1931	.2312	.0825	.0625	.3003	.2205
July 17	.0349	.2250	.3274	1.3951	.0166	.1931	.2311	.0825	.0625	.3003	.2206
July 18	.0349	.2250	.3273	1.3951	.0166	.1931	.2312	.0825	.0625	.3003	.2206
July 19	.0349	.2250	.3274	1.3948	.0166	.1930	.2313	.0825	.0625	.3003	.2206
July 20	Saturday										
July 21	Sunday										
July 22	.0349	.2250	.3274	1.3950	.0166	.1931	.2313	.0825	.0625	.3003	.2206
July 23	.0349	.2250	.3274	1.3950	.0166	.1930	.2312	.0825	.0625	.3003	.2206
July 24	.0349	.2250	.3273	1.3950	.0166	.1930	.2313	.0825	.0625	.3003	.2206
July 25	.0349	.2250	.3273	1.3950	.0166	.1930	.2313	.0850	.0625	.3003	.2206
July 26	.0349	.2250	.3273	1.3949	.0166	.1930	.2314	.0850	.0615	.3003	.2206
July 27	Saturday										
July 28	Sunday										
July 29	.0349	.2250	.3274	1.3950	.0166	.1929	.2314	.0850	.0610	.3003	.2206
July 30	.0349	.2250	.3274	1.3949	.0166	.1928	.2314	.0850	.0600	.3003	.2206
July 31	.0349	.2250	.3274	1.3949	.0166	.1928	.2314	.0850	.0600	.3003	.2206

‡Foreign Exchanges rates certified by the Federal Reserve Bank of the Treasury under tariff act of 1930. These are the noon buying rates in the New York market for cable transfers, payable in the foreign currencies as shown. ¶Official rate.

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New York Stock Exchange—Bonds

Monthly and Yearly Record

RANGE OF BOND PRICES FOR JULY

Bond Sales—	1963	1962	Bond Sales—	1963	1962
July	$95,872,810	$116,513,000	Jan. 1 to July 31	$767,689,700	$949,701,800

The tables on pages 4 to 29 furnish a complete record of the transactions on the New York Stock Exchange during July and the range for year since January 1. They need no extended introduction, as they are self-explanatory. The tables embrace every security dealt in on the Exchange. We give bonds first, using the classification adopted in the official list. The italic letters in the column headed *"Interest Period"* indicate in each case the month when the bonds mature.

All quotations for interest-paying bonds are at a price to which accrued interest must be added. The exceptions to the rule are income bonds and bonds on which interest is in default. This method of quoting bonds became effective January 2, 1909. Quotations after decimal point represent one or more 32nds of a point.

Sales in July Value $	New York Stock Exchange BONDS U S GOVT BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices		Highest Sale Prices		RANGE SINCE JAN. 1 Lowest Sale Prices		Highest Sale Prices	
	Treasury Bonds—															
----	4¼s May 15 1975-1985	*M*-S	103.28	104.4	102.8	102.16	102.8	102.16	--	------	--	------	--	------	--	------
----	4¼s Aug 15 1987-1992	F-*A*	104	104.8	102.8	102.16	102.20	102.28	--	------	--	------	--	------	--	------
----	4⅛s 1989-1994	*M*-N	--	--	100.10	100.14	100.20	100.28	--	------	--	------	--	------	--	------
----	4s Feb 15 1969	*F*-A	101.30	102.2	100.18	100.22	100.15	100.19	--	------	--	------	--	------	--	------
----	4s Oct 1 1969	A-*O*	101.26	101.30	100.18	100.22	100.16	100.20	--	------	--	------	--	------	--	------
----	4s Aug 15 1970	F-*A*	--	--	100.8	100.10	100.11	100.13	--	------	--	------	--	------	--	------
----	4s Aug 15 1971	F-*A*	101.16	101.24	100.6	100.10	100.9	100.13	--	------	--	------	--	------	--	------
----	4s Feb 15 1972	*F*-A	101.1	101.5	100	100.4	100.5	100.9	--	------	--	------	--	------	--	------
----	4s Aug 15 1972	F-*A*	101.9	101.13	100	100.4	100.4	100.8	--	------	--	------	--	------	--	------
----	4s Feb 15 1980	*F*-A	101.2	101.10	99.17	99.21	99.23	99.27	--	------	--	------	--	------	--	------
----	4s 1988-1993	*F*-A	--	--	99.10	99.18	99.22	99.30	--	------	--	------	--	------	--	------
----	3⅞s May 15 1968	*M*-N	101.20	101.24	100.10	100.14	100.2	100.6	--	------	--	------	--	------	--	------
----	3⅞s Nov 15 1971	M-*N*	101.17	101.25	99.6	99.14	99.5	99.9	--	------	--	------	--	------	--	------
----	3⅞s Nov 15 1974	M-*N*	101.16	101.24	98.22	98.26	98.26	98.30	--	------	--	------	--	------	--	------
----	3¾s Aug 15 1968	F-*A*	101.1	101.5	99.21	99.25	99.12	99.16	--	------	--	------	--	------	--	------
----	3¾s May 15 1966	*M*-N	100.30	101.2	100.13	100.15	99.31	100.1	--	------	--	------	--	------	--	------
----	3⅝s Nov 15 1967	M-*N*	100.21	100.25	99.18	99.20	99.6	99.8	--	------	--	------	--	------	--	------
----	3½s Nov 15 1980	M-*N*	95.8	95.16	93.20	93.28	93.26	94.2	--	------	--	------	--	------	--	------
----	3½s Feb 15 1990	*F*-A	92.28	93.4	91.10	91.18	91.18	91.26	--	------	--	------	--	------	--	------
----	3½s Nov 15 1998	M-*N*	91.28	92.4	90.12	90.20	90.18	90.26	--	------	--	------	--	------	--	------
----	3⅜s Nov 15 1966	M-*N*	99.28	100	99.11	99.13	99.2	99.4	--	------	--	------	--	------	--	------
----	3¼s Jun 15 1978-1983	*J*-D	91.10	91.18	89.21	89.29	89.21	89.29	--	------	--	------	--	------	--	------
----	3¼s May 15 1985	*M*-N	91.10	91.18	89.18	89.26	89.18	89.26	--	------	--	------	--	------	--	------
----	3s Feb 15 1964	*F*-A	99.30	100	99.30	100	99.28	99.30	--	------	--	------	--	------	--	------
----	3s Aug 15 1966	F-*A*	98.24	98.28	98.15	98.19	98.5	98.9	--	------	--	------	--	------	--	------
----	3s Feb 15 1995	*F*-A	88.18	88.26	87.12	87.20	87.18	87.26	--	------	--	------	--	------	--	------
----	2⅝s Feb 15 1965	*F*-A	98.23	98.27	98.30	99	98.27	98.29	--	------	--	------	--	------	--	------
----	2½s Jun 15 1962-1967	*J*-D	96.11	96.19	96.2	96.6	95.24	95.28	--	------	--	------	--	------	--	------
----	2½s Aug 15 1963	F-*A*	99.23	99.25	99.31	100.1	99.31	--	--	------	--	------	--	------	--	------
----	2½s Dec 15 1963-1968	*J*-D	94.20	94.28	93.30	94.4	93.22	93.28	--	------	--	------	--	------	--	------
----	2½s Jun 15 1964-1969	*J*-D	93.22	93.30	92.30	93.4	92.22	92.28	--	------	--	------	--	------	--	------
----	2½s Dec 15 1964-1969	*J*-D	93.2	93.10	92.10	92.16	92.2	92.8	--	------	--	------	--	------	--	------
----	2½s Mar 15 1965-1970	*M*-S	92.24	93	91.30	92.4	91.21	91.27	--	------	--	------	--	------	--	------
----	2½s Mar 15 1966-1971	*M*-S	91.16	91.24	91.2	91.8	90.25	90.31	--	------	--	------	--	------	--	------
----	2½s Jun 15 1967-1972	*J*-D	90	90.8	89.15	89.21	89.8	89.14	--	------	--	------	--	------	--	------
----	2½s Sep 15 1967-1972	M-*S*	89.24	90	89	89.6	89.1	89.7	--	------	--	------	--	------	--	------
----	2½s Dec 15 1967-1972	*J*-D	89.26	90.2	88.30	89.4	89.1	89.7	--	------	--	------	--	------	--	------
	International Bank for Reconstruction & Development—															
----	5s Feb 15 1985	F-*A*	106.8	107.8	107.16	108.16	106.24	107.24	--	------	--	------	--	------	--	------
----	4¾s Nov 1 1980	M-*N*	104.8	105.8	104	105	103.16	104.16	--	------	--	------	103.16	Mar 6	103.16	Mar 6
----	4½s Dec 1 1973	*J*-D	102.16	103.16	102.16	103.16	102	103	--	------	--	------	--	------	--	------
----	4½s Jan 1 1977	*J*-J	102.16	103.16	102.8	103.8	101.16	102.16	--	------	--	------	--	------	--	------
----	4½s Feb 1 1982	*F*-A	102.24	103.24	102.8	103.8	101.24	102.24	--	------	--	------	--	------	--	------
----	4¼s May 1 1978	*M*-N	100	101	99.24	100.24	99.8	100.8	--	------	--	------	--	------	--	------
----	4¼s Jan 15 1979	*J*-J	100	101	99.24	100.24	99.8	100.8	--	------	--	------	--	------	--	------
----	4s Sep 15 1963	M-*S*	100.16	100.28	100	100.8	99.28	100.4	--	------	--	------	--	------	--	------
----	3¾s Oct 1 1964	A-*O*	100.8	100.24	100.4	100.16	99.20	100.8	--	------	--	------	--	------	--	------
----	3¾s May 15 1968	*M*-N	99	99.24	99.12	99.28	98.24	99.8	--	------	--	------	--	------	--	------
----	3½s Jan 1 1969	*J*-J	97	98	97.8	98.8	97	98	--	------	--	------	--	------	--	------
----	3½s Oct 15 1971	A-*O*	95.24	96.24	96.8	97.8	96.8	97.8	--	------	--	------	--	------	--	------
----	3⅜s May 15 1975	*M*-N	93	95	93.16	94.16	93	94	--	------	--	------	--	------	--	------
----	3¼s Oct 1 1981	A-*O*	88.16	89.16	89.24	90.24	89.16	90.16	--	------	--	------	--	------	--	------
----	3s July 15 1972	*J*-J	91.8	92.8	91.24	92.24	91.16	92.16	--	------	--	------	--	------	--	------
----	3s Mar 1 1976	*M*-S	89	90	89.24	90.24	89.16	90.16	--	------	--	------	--	------	--	------
	Inter-American Development Bank—															
----	4¼s Dec 15 1982	*J*-D	100	100⅛	99½	100¼	99¼	100	--	------	--	------	100	Feb 19	101	Apr 11
	NEW YORK CITY															
	Transit Unification—															
126,000	3% corporate stock 1980	*J*-D	97⅞	Sale	99	Sale	97½	Sale	97 3/32	July 24	99 5/16	July 2	97 3/32	July 24	99⅞	Mar 25
	FOREIGN GOVERNMENT & FOREIGN CORPORATE ISSUES—															
1,000	Akershus (Norway) 4s 1968	*M*-S	91	--	92	--	93⅝	--	92	July 25	92	July 25	91½	Feb 19	92	July 25
120,000	Amsterdam (City of) 5¼s 1973	*M*-S	103½	105⅛	103⅝	104¼	100¼	Sale	100	July 30	104⅛	July 2	100	July 30	105½	Jan 11
----	*△Antioquia (Col) 7s A 1945	*J*-J	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
----	*△External s f 7s ser B 1945	*J*-J	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
----	*△External s f 7s ser C 1945	*J*-J	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
----	*△External s f 7s ser D 1945	A-*O*	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
----	△7s 1st series 1957	A-*O*	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
----	△7s 2nd series 1957	A-*O*	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
----	△7s 3rd series 1957	A-*O*	96⅛	--	96⅛	--	96⅛	--	--	------	--	------	--	------	--	------
41,000	3s s f $ bonds 1978	J-*J*	58	Sale	62½	62⅞	63	64	62⅛	July 22	63	July 15	57⅝	Jan 24	63½	Jun 19
	Australia (Commonwealth of)															
134,000	20-year 3½s 1967	*J*-D	98	98½	98⅜	99	97	Sale	96½	July 31	98⅜	July 2	96½	July 31	99	Jun 6
110,000	20-year 3½s 1966	*J*-D	97	98½	98⅞	99¼	97¼	99¼	97¼	July 30	99	July 12	97	Feb 5	99⅛	Jun 19
50,000	15-year 3¾s 1969	*J*-D	97	Sale	97⅝	98	96½	97⅞	97⅛	July 26	97⅞	July 17	97	Jan 2	98¾	Jan 31
462,000	15-year 4½s 1971	*J*-D	99¼	100¼	101	Sale	100	Sale	100	July 19	101	July 1	98¾	Mar 29	101⅛	May 14
128,000	15-year 4¾s 1973	*M*-N	99⅞	Sale	101½	Sale	100⅛	101½	100	July 22	101¾	July 9	99⅛	Jan 3	101¾	July 9
132,000	15-year 5s 1972	*M*-S	101¾	102½	103½	Sale	100⅝	Sale	100	July 26	104	July 5	100	July 26	104	July 5
164,000	20-year 5s 1978	M-*N*	100⅛	101	101	101½	100¼	Sale	100¼	July 31	101½	July 3	100	Mar 27	102½	Feb 18
99,000	20-year 5½s 1979	M-*S*	103¼	Sale	105¾	Sale	102¾	Sale	101	July 23	105¾	July 1	101	July 23	105¾	Jun 28
214,000	20-year 5¼s Apr 1980	*A*-O	100½	Sale	102⅞	103½	100⅛	Sale	100	July 26	103⅞	July 16	100	July 26	103⅞	July 16
127,000	20-year 5¼s Oct 1980	A-*O*	100¾	101½	103⅝	Sale	100⅛	101¼	100	July 22	103¾	July 8	100	July 22	103¾	July 8
358,000	20-year 5½s 1981	*J*-J	102	Sale	104¾	Sale	102¾	Sale	100¼	July 22	104¾	July 1	100¼	July 22	105	Apr 24
117,000	20-year 5½s old Jan 1982	*J*-J	102½	103¼	104⅜	105¼	102⅞	Sale	101	July 23	104⅞	July 10	101	July 23	105½	Jun 6
715,000	20-year 5½s new July 1982	*J*-J	101¾	102½	104½	104⅞	103½	Sale	100¼	July 22	104⅞	July 5	100¼	July 22	104⅞	Jun 7
593,000	20-year 5½s Oct 1982	A-*O*	102⅜	Sale	104⅞	Sale	103⅞	Sale	100	July 22	104⅞	July 1	100	July 22	105	Jun 24
651,000	20-year 5s 1983	*A*-O	--	--	100⅞	Sale	100⅞	Sale	99¾	July 23	101¼	July 2	98½	May 3	101¼	July 2
	Austria (Rep)—															
285,000	5½s external s f $ 1973	J-*D*	104	Sale	103½	103¾	102	102½	102	July 19	103¾	July 2	102	July 19	104½	Jan 7
	Austrian Government—															
4,000	4½s assented due 1980	J-J	--	88	--	89¼	--	89	89	July 26	89	July 26	87½	Jan 3	89½	Feb 4
	*△Bavaria (Free State)—															
----	External 6½s 1945	F-*A*	--	--	--	--	--	--	--	------	--	------	--	------	--	------
1,000	4⅞s debt adj series 8 1965	F-*A*	100½	--	101⅛	Sale	101⅛	--	101⅛	July 1	101⅛	July 1	100¾	Feb 15	101⅜	Mar 7
	Belgian Congo—															
47,000	5¼s external loan 1973	*A*-O	37	Sale	40½	42	40¾	43¾	40¼	July 5	42¾	July 26	36	Jan 2	45¾	Jan 15
16,000	Belgium (King of) extl 4s 1964	J-*D*	100¼	101	100½	--	100	--	100	July 24	100⅞	July 9	100	Apr 18	101	Feb 7
107,000	5½s external loan 1972	M-*S*	103¾	106½	102½	103¼	100¾	102	100	July 26	103¾	July 11	100	July 26	105¾	Jan 25
132,000	5½s extl loan s f 1976	J-*D*	103½	104	103⅞	Sale	100⅜	102¼	100¼	July 23	103⅞	July 1	100¼	July 23	105	Feb 1
92,000	5¼s extl loan s f 1977	*A*-O	101⅞	Sale	101⅞	Sale	99⅝	100¼	99⅝	July 24	101⅞	July 1	99⅝	July 24	102⅞	Mar 1
----	△Berlin (City of) 6s 1958	J-*D*	--	--	--	--	--	--	--	------	--	------	--	------	--	------
----	*△6½s external loan 1950	*A*-O	--	--	--	--	--	--	--	------	--	------	--	------	--	------
----	4⅞s debt adj ser A 1970	*A*-O	91	--	100⅛	103	100⅛	103	--	------	--	------	94¾	Jan 8	102½	Mar 12
4,000	4½s debt adj ser B 1978	*A*-O	--	--	97⅞	--	97⅞	--	97⅞	July 19	97⅞	July 19	96	Jan 29	101	Apr 30

For footnotes, see page 25.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
----	*△Berlin City Elec 6s 1955	A-O	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	*△6½s s f debentures 1951	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	△6½s s f debentures 1959	F-A	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Berlin Power & Light Co—											
	Debt adjustment											
1,000	4⅞s deb series A 1978	J-J	—	—	80	86¾	80	86¾	80 July 15	80 July 15	77⅝ Feb 6	80½ Mar 29
----	4½s deb series B 1978	J-J	—	—	75⅜	—	75⅜	—	— ------	— ------	75⅜ May 6	78 Mar 4
----	*△Brazil (U S of) extl 8s 1941	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Stamped pursuant to Plan A (interest reduced to 3.5%)											
7,000	1978	J-D	83	87	88	—	93	—	91 July 17	93 July 29	83 Jan 4	93 July 29
----	△Extl s f 6½s 1926 1957	A-O	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Stamped pursuant to Plan A (interest reduced to 3.375%)											
65,000	1979	A-O	78	80	84	Sale	94	Sale	84 July 1	94 July 29	78 Jan 3	94 July 29
----	△Extl s f 6½s 1927 1957	A-O	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Stamped pursuant to Plan A (interest reduced to 3.375%)											
84,000	1979	A-O	78	79⅞	84	89¾	94	—	87 July 8	94 July 26	78 Jan 3	94 July 26
----	△Cent Ry 30-yr 7s 1952	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Stamped pursuant to Plan A (interest reduced to 3.5%)											
3,000	1978	J-D	83	92	88	—	93	—	90 July 12	91 July 17	83 Jan 28	91 July 17
	5% funding 1931 due 1951											
	Stamped pursuant to Plan A (interest reduced to 3.375%)											
23,000	1979	A-O	78	80	84	—	95	Sale	87 July 5	94 July 26	78 Jan 4	94 July 26
2,000	Caldas (Dept of) 3s 1978	J-J	56¾	60	61⅝	63	61¾	65	61⅝ July 5	61⅝ July 5	56⅞ Jan 9	63 Jun 25
20,000	Canada (Dom) 2¾s 1974	M-S	86⅜	87½	86	87	86	90	85½ July 30	86⅛ July 16	85½ May 27	88⅛ Jan 30
----	25-year 2¾s 1975	M-S	86⅜	—	84½	86	86¼	Sale	86¼ July 31	86¼ July 31	84¼ May 21	87¼ Jan 25
	Cauca Valley (Dept of)—											
6,000	3s s f $ bonds 1978	J-J	—	—	61⅝	63	61⅝	—	61⅝ July 5	63 July 15	56⅞ Jan 3	63 July 15
----	*△Chile (Rep) ext s f 7s 1942	M-N	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	*△7s assented 1942	Feb	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Extl s f gold 6s 1960	A-O	90	—	93½	—	93½	—	— ------	— ------	92 Jan 15	92 Jan 15
----	△6s assented 1960	A-O	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
1,000	△Extl s f gold 6s Feb 1961	F-A	90	—	93½	—	93½	—	99 July 26	99 July 26	92 Jan 8	99 July 26
----	△6s assented Feb 1961	F-A	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Ry ref extl s f 6s Jan 1961	J-J	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	△6s assented Jan 1961	J-J	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Extl s f 6s Sep 1961	M-S	90	—	93½	—	93½	—	— ------	— ------	93 Mar 1	93 Mar 1
----	△6s assented Sep 1961	M-S	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Extl s f 6s 1962	M-S	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	△6s assented 1962	M-S	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Extl s f 6s 1963	M-N	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	△6s assented 1963	M-N	41	—	43½	—	43½	—	— ------	— ------	46 May 16	46 May 16
345,000	Extl s f $ bonds 3s 1993	J-D	40⅝	Sale	46	Sale	46½	Sale	46 July 1	47 July 8	40⅛ Jan 22	47 July 8
----	△Chile (Mtge Bank) 6½s 1957	J-D	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	△6½s assented 1957	J-D	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△6¾s assented 1961	J-D	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Guar sinking fund 6s 1961	J-D	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	△6s assented 1961	A-O	41	—	43½	—	43½	—	— ------	— ------	46 May 20	46 May 20
----	△Guar sinking fund 6s 1962	M-N	90	—	93½	—	93½	—	— ------	— ------	— ------	— ------
----	△6s assented 1962	M-N	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
----	△Chilean Munic Loan 7s 1960	M-S	90	—	93½	—	93½	—	— ------	— ------	92¼ Jan 31	92¼ Jan 31
----	△7s assented 1960	M-S	41	—	43½	—	43½	—	— ------	— ------	— ------	— ------
9,000	△Chinese Hukuang Ry 5s 1951	J-D	2½	5¼	1½	3	2	3	1½ July 5	1½ July 5	1½ July 5	3 Jun 12
----	*△Cologne (City of) 6½s 1950	M-S	94½	—	—	—	—	—	— ------	— ------	— ------	— ------
2,000	4⅞s debt adjustment 1970	M-S	—	—	95¼	—	95⅜	—	95⅜ July 24	95⅜ July 24	95 May 27	95⅜ July 24
	△Colombia (Rep of)—											
----	△6s of 1928 Oct 1961	A-O	—	—	—	—	—	—	— ------	— ------	172 May 27	172 May 27
----	△6s of 1927 Jan 1961	J-J	—	—	—	—	—	—	— ------	— ------	— ------	— ------
15,000	3s extl s f $ bonds 1970	A-O	79⅝	Sale	85½	Sale	87½	—	85½ July 1	87 July 25	79⅜ Jan 7	87 July 25
----	Colombia Mtge Bank 7s 1946	M-N	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Copenhagen (City of)—											
435,000	5⅜s extl loan 1978	M-N	—	—	98⅞	Sale	98¼	Sale	98 July 15	99 July 2	98 July 15	99 July 2
118,000	Copenhagen Telep 5⅝s 1977	J-D	102⅝	Sale	102	102⅝	100	Sale	99 July 23	102⅝ July 5	99 July 23	103¾ Jan 28
247,000	5⅜s s f $ debs 1978	A-O	—	—	99⅝	Sale	98	Sale	97¾ July 23	100 July 1	97¾ July 23	100 Jun 20
	Costa Rica (Rep of)—											
1,000	3s ref dollar bonds 1972	A-O	63	69	68	70½	68	70½	69 July 10	69 July 10	63¼ Jan 30	70½ May 27
	Credit Froncier De France—											
288,000	5½s gtd extl loan 1979	J-D	106	Sale	105⅜	Sale	102¾	Sale	101 July 22	105½ July 1	101 July 22	107¼ May 15
192,000	Cuba (Rep of) 4½s extl 1977	J-D	28	28½	21	Sale	20	Sale	20 July 3	21 July 1	20 May 9	28½ Jan 4
37,000	Cundinamarca 3s 1978	J-J	56¾	58½	61⅛	62⅞	61⅝	62½	61½ July 26	63 July 16	57 Feb 4	63 July 16
	Czechoslovakia (State)—											
	△Stamped assented (interest reduced to 6%) ext to '60											
15,000		A-O	—	32	20	Sale	19⅛	24¾	19⅛ July 1	20 July 1	19⅛ July 1	20 Mar 27
	Denmark (Kingdom of)—											
67,000	5½s extl loan 1974	F-A	102	103	103	103¾	100⅛	102	99 July 23	103⅞ July 8	99 July 23	105 Jun 12
100,000	5¼s external loan 1977	M-N	100½	Sale	99⅝	Sale	97½	98⅞	98 July 22	99⅝ July 1	98 July 22	101¼ Jan 16
444,000	5¼s extl loan 1978	M-S	—	—	99⅝	Sale	98¾	Sale	98 July 22	99⅝ July 1	98 July 22	99⅞ May 10
	El Salvador (Republic of)—											
1,000	3½s extl s f $ bds Jan 1 1976	J-J	86	92	88	92	88	90	88 July 17	88 July 17	86 Jan 18	92¾ Mar 28
----	3s extl s f $ bds Jan 1 1976	J-J	86	89	88	93	88	90	— ------	— ------	86 Jan 3	88 Apr 16
	Energy Supply Schwaben—											
----	5¼s debt adjustment 1973	J-J	—	—	95¼	—	95¼	—	— ------	— ------	95⅛ May 27	95⅛ May 27
----	△Estonia (Republic) 7s 1967	J-J	4¼	5	4	—	4	—	— ------	— ------	4¼ Apr 3	5 Jan 21
	European Coal & Steel Community—											
208,000	5½s secured (7th ser) 1975	A-O	103½	107	104	104¼	100½	102	99 July 23	104 July 8	99 July 23	106 Jan 16
107,000	5s sec (11th series) 1978	J-J	101¼	102	—	101	99	100	98 July 26	100¼ July 11	98 July 26	102⅛ Jan 11
50,000	5⅜s (13th series) 1980	A-O	104	Sale	102	103	100¾	102¼	100½ July 16	102 July 2	100½ July 16	104 Jan 2
93,000	5¼s s f debentures 1982	A-O	102¾	103	102½	102⅞	100	104	99¼ July 26	102⅞ July 2	99¼ July 26	104⅜ Jan 15
218,000	Finland (Republic of) 6s 1973	M-S	—	—	99	Sale	98⅞	99⅛	98 July 22	99¼ July 29	97¾ May 14	99¼ July 29
----	*△Frankfort on Main 6½s '53	M-N	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	Extl Loan 4⅞s May 1 1973	M-N	94½	—	95¼	—	95¼	—	— ------	— ------	95⅞ Mar 15	95⅞ Mar 15
	German (Federal Rep of)—											
	External loan of 1924—											
77,000	5½s dollar bonds 1969	A-O	104¼	—	—	112	105⅝	112	105 July 2	105⅝ July 19	104¼ Jan 4	107¾ Apr 24
1,000	3s dollar bonds 1972	A-O	92	—	93	—	93	—	93 July 2	93 July 2	92 Jan 7	94⅛ Jun 20
	Prussian conv 1953 issue											
1,000	4s dollar bonds 1972	A-O	100½	—	102	—	102	—	102 July 26	102 July 26	101⅜ Jan 10	102¾ Mar 18
	International loan of 1930—											
35,000	5s dollar bonds 1980	J-D	107⅜	108⅜	109	Sale	110	—	109 July 1	110⅜ July 5	107⅜ Jan 7	110¾ Apr 16
9,000	3s dollar bonds 1972	J-D	94¾	95	96	—	96	—	96 July 9	96 July 9	94¾ Jan 9	97 May 6
	Greek Government—											
25,000	△7s part paid 1964	M-N	30¾	Sale	37½	39	37¾	39½	37 July 18	38¾ July 30	30 Jan 18	40 Jun 3
114,000	△6s part paid 1968	F-A	29½	Sale	34¼	Sale	34	Sale	33½ July 24	34½ July 16	26⅞ Jan 30	36⅜ Jun 3
----	*△Hamburg (State of) 6s 1946	A-O	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	Conv & funding 4½s 1966	A-O	101	—	101⅜	—	101⅜	—	— ------	— ------	101⅛ Jan 18	101⅛ Jan 18
----	*△Harpen Mining Corp 6s '49	J-J	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	4½s debt adjustment 1970	J-J	—	—	95¼	—	95¼	—	— ------	— ------	95⅛ Feb 21	95⅛ Feb 21
----	Heidelberg (City) 7½s 1950	J-J	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	International Tel & Tel—											
51,000	Sub America 7½s debs 1977	F-A	98	Sale	104⅜	Sale	102	Sale	102 July 26	104½ July 2	98 Jan 2	106 Feb 26
103,000	Italian (Rep) 3s 1977	J-J	82½	Sale	84¾	Sale	81⅞	85	81¾ July 26	84¾ July 1	81¾ Feb 11	86¼ Jun 25
	Italian Credit Consortium for Public Works—											
129,000	30-year extl s f 3s 1977	J-J	82½	Sale	84½	Sale	80¾	83	80¾ July 30	84½ July 1	80¾ July 30	86 Jun 17
----	*△7s series B 1947	M-S	—	—	—	—	—	—	— ------	— ------	— ------	— ------
	Italian Pub Util Credit Inst—											
116,000	30-year gtd extl s f 3s 1977	J-J	82¾	Sale	85½	Sale	82	84½	81½ July 24	85⅞ July 1	81 Mar 20	86 Jun 14
----	*△7s series B 1952	J-J	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	§△Italy (Kingdom of) 7s 1951	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	Jamaica (Government of)—											
45,000	5¾s external loan 1974	M-S	91	92⅞	94	94⅜	93	Sale	93 July 31	95 July 11	92⅜ Feb 15	95 July 11
278,000	Japan 5½s extl loan 1974	J-J	97¼	Sale	101½	Sale	99¼	Sale	98½ July 26	101½ July 1	97⅛ Jan 14	101⅝ Jun 25
566,000	5½s extl loan 1980	M-N	--	--	98¼	Sale	96⅝	Sale	96⅛ July 24	98⅜ July 1	96⅛ July 24	98⅝ Jun 19
191,000	Japan Develop Bank 6s 1976	M-S	98⅛	98½	102¼	Sale	100½	Sale	99¼ July 23	102¾ July 5	98 Jan 23	102¾ July 5
430,000	6s gtd external loan 1977	M-N	97¾	Sale	101⅞	Sale	100	Sale	99 July 22	102 July 2	97¼ Jan 7	102¾ Jun 4
370,000	6s gtd external loan 1978	F-A	—	—	101½	Sale	100	100½	99¼ July 25	101¾ July 1	99¼ July 25	102¾ Jun 11
	Japanese (Imperial Govt)—											
----	△6½s extl loan of '24 1954	F-A	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
44,000	6½s due 1954 ext to 1964	F-A	101⅝	Sale	100 27/32	102¼	102¼	Sale	100 27/32 July 3	102¼ July 31	100¾ Jun 28	103 Jan 23
----	△5½s extl loan of '30 1965	M-N	--	--	--	--	--	--	-- ------	-- ------	217½ Apr 5	217½ Apr 5
37,000	5½s due 1965 ext to 1975	M-N	99¾	Sale	101	102	--	102½	99¾ July 19	102 July 15	98½ Jan 16	102½ Apr 22
2,000	*§△Jugoslavia 7s 1957	A-O	24⅝	26	26½	Sale	26½	--	26½ July 1	26½ July 1	24⅝ Jan 29	28 May 13
	KLM Royal Dutch Airlines—											
155,000	4¾s conv subord debs 1979	M-S	84	Sale	87¼	88¼	86	88	86½ July 23	88 July 10	82¾ Jan 4	89 Mar 20
	‡Kreuger & Toll class A—											
93,000	△5s uniform ctfs of dep 1959	M-S	¾	1⅛	1⅜	2½	2½	Sale	2 July 3	2½ July 26	¾ Jan 24	2½ Jun 20
----	△Medellin (Colombia) 6½s '54	J-D	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
91,000	3s s f $ bonds 1978	J-J	57½	59	61⅝	62⅞	63	Sale	61⅝ July 12	63 July 8	57½ Feb 19	63 Jun 19
----	*△Milan (City of) 6½s 1952	A-O	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
	Minas Geraes (Brazil)—											
----	△Sec extl s f 6½s 1958	M-S	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
1,000	Stamped pursuant to Plan A (interest reduced to 2.125%) 2008	M-S	52¼	--	45	54	47	52	52 July 2	52 July 2	51½ Mar 18	54 Mar 28
----	△Sec extl s f 6½s 1959	M-S	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
10,000	Stamped pursuant to Plan A (interest reduced to 2.125%) 2008	M-S	42	48	--	52	--	52	52 July 5	52 July 5	46½ Feb 19	54 May 22
64,000	New Zealand (Govt) 5½s 1970	J-D	102	103	103½	104½	101	103	99⅞ July 29	104½ July 10	99⅞ July 29	105¼ Jun 3
148,000	15-year 5¾s 1976	A-O	103	104	105	Sale	100⅜	Sale	100 July 22	105 July 1	100 July 22	105½ May 21
492,000	15-year 5¼s 1977	M-N	98	Sale	101⅛	Sale	100⅞	Sale	98 July 23	101¼ July 1	98 Jan 2	101¼ July 1
	Nippon Tel & Tel Public—											
85,000	6s gtd dollar bonds 1976	A-O	95	98½	101⅝	102	101	101¾	100¼ July 26	102¾ July 10	98 Jan 18	103¾ Jun 6
139,000	6s gtd dollar bonds 1977	M-S	98½	Sale	98	102¼	102	Sale	99⅞ July 22	102 July 2	97¾ Jan 24	102⅝ May 21
	Norway (Kingdom of)—											
12,000	4¼s s f extl old 1965	A-O	100	100¾	100¼	101	100¼	101	100¼ July 10	101 July 5	100 Jan 11	101¼ May 15
3,000	4¼s s f extl new 1965	A-O	100¼	101	100¼	101½	100¼	101¼	100 July 24	100¼ July 5	100 Mar 22	101½ Jun 24
137,000	5¼s s f extl loan 1973	A-O	101⅝	102½	102½	Sale	100½	Sale	99 July 22	103¼ July 5	99 Apr 5	103½ Jan 9
138,000	5½s external loan 1976	M-N	102	103	102¼	Sale	99½	Sale	99 July 22	102¼ July 1	99 July 22	103 Jan 3
364,000	5½s external loan 1977	F-A	102½	--	102	Sale	99½	101⅞	98 July 23	102 July 1	98 July 23	103½ Jan 4
500,000	5¼s extl loan 1978	M-N	--	--	98¾	Sale	98	Sale	96¾ July 22	99 July 1	96¾ July 22	99 Jun 27
1,000	Municipal bank extl 5s 1970	J-D	97½	100	99¾	--	100⅝	--	100 July 3	100 July 3	98¾ Feb 13	100 Feb 14
----	*△Nuremberg (City of) 6s '52	F-A	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
	Oriental Development Co Ltd—											
----	△5½s extl loan (30-yr) 1958	M-S	168	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
5,000	5½s due 1958 ext to 1968	M-N	98½	--	100	--	99¾	Sale	99¾ July 31	100 July 3	98 Jan 7	100½ Apr 17
63,000	Oslo (City of) 5½s extl 1973	J-D	102⅝	103½	101¾	Sale	101	Sale	101 July 22	102¼ July 26	100½ Apr 11	104 Jan 15
46,000	5¾s s f extl loan 1975	J-D	104	104½	103½	Sale	101	102½	101 July 26	103½ July 1	101 July 26	106 Feb 5
68,000	5½s s f external loan 1977	A-O	101	101½	102	Sale	99¼	100	98 July 23	102 July 1	98 July 23	103 Jan 17
180,000	5¼s s f extl loan 1978	J-D	--	--	98¼	Sale	--	98¼	96 July 22	98¼ July 1	96 July 22	98¼ Jun 29
----	*△Pernambuco (State) 7s 1947	M-S	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
2,000	Stamped pursuant to Plan A (interest reduced to 2.125%) 2008	M-S	--	--	--	60	55¼	60	54 July 8	54 July 8	49 Feb 4	57½ Jun 27
----	△Peru (Rep) sec s f 7s 1959	M-S	86	--	91½	--	91½	--	-- ------	-- ------	-- ------	-- ------
----	△Nat'l loan ext s f 6s 1960	J-D	86	--	91½	--	91½	--	-- ------	-- ------	86¼ Jan 18	91½ Mar 20
----	△Nat'l loan ext s f 6s 1961	A-O	86	--	91½	--	91½	--	-- ------	-- ------	-- ------	-- ------
----	*△Poland (Rep) gold 6s 1940	A-O	7¼	--	7¾	--	7¾	--	-- ------	-- ------	7 Mar 8	8 Jan 18
2,000	△4½s assented 1958	A-O	7	8½	7⅜	8½	7¼	Sale	7¼ July 31	7¼ July 31	7 Jan 28	7¼ Jun 18
----	*△Stabilization loan 7s 1947	A-O	8	--	8⅝	--	8⅝	--	-- ------	-- ------	7 Apr 15	8⅝ Jan 18
28,000	△4½s assented 1968	A-O	7	Sale	7¾	Sale	7¼	7⅜	7¼ July 2	7¾ July 1	7 Jan 2	8 Jun 27
3,000	*△External s f 8s 1950	J-J	8¼	15¾	8¼	--	8¼	Sale	8¼ July 31	8¼ July 31	7 Apr 8	8½ May 24
45,000	△4½ assented 1963	J-J	7	7¼	7⅜	7½	7⅛	7⅜	7⅛ July 12	7½ July 9	7 Jun 5	7¾ Jan 21
	Porto Alegre (City of)—											
----	8s 1961 stamped pursuant to Plan A (interest reduced to 2.375%) 2001	J-D	58⅛	69	62½	69	62½	69	-- ------	-- ------	60 Mar 8	69 Jun 5
1,000	7½s 1966 stamped pursuant to Plan A (interest red to 2.25%) 2006	J-J	57	Sale	57	Sale	50½	57	57 July 1	57 July 1	49 Feb 28	57 Jan 2
----	Rhine-Westphalia Elec Pwr— Direct mortgage 7s 1950	M-S	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
43,000	Rhodesia & Nyasaland— 5¾s exterinal loan 1973	M-N	76½	78	75	75¾	77	79½	75½ July 3	77 July 17	73 May 3	79½ Mar 8
----	*△Rio de Janeiro (City) 8s '46	A-O	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
3,000	Stamped pursuant to Plan A (interest reduced to 2.375%) 2001	A-O	70	75	75	--	77	--	78 July 3	78 July 3	70 Jan 8	78 July 3
----	*△External sec 6½s 1953	F-A	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
10,000	Stamped pursuant to Plan A (interest reduced to 2%) 2012	F-A	54½	60	56⅛	57	57	Sale	56⅛ July 2	57 July 16	54½ Jan 8	59 Apr 26
----	Rio Grande du Sul (State of) *△8s extl loan of 1921 1946	A-O	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
----	Stamped pursuant to Plan A (interest reduced to 2.5%) 1999	A-O	60	64⅞	63¼	80	63¼	--	-- ------	-- ------	63 Feb 7	68 Apr 2
----	△6s extl s f gold 1968	J-D	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
3,000	Stamped pursuant to Plan A (interest reduced to 2%) 2012	J-D	62	65¾	65½	70	65½	70	65½ July 15	65½ July 15	62¼ Jan 11	70 Jun 6
----	△7s extl loan of 1926 1966	M-N	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
2,000	Stamped pursuant to Plan A (interest reduced to 2.25%) 2004	M-N	55	--	62	72	62	72	65 July 26	65 July 26	58 Mar 18	70 May 8
----	7s 1967 stamped pursuant to Plan A (interest reduced to 2.25%) 2004	J-D	58	60	55	--	57½	--	-- ------	-- ------	60 Jan 18	61 Jan 21
----	*△Rome (City of) 6½s 1952	A-O	--	--	--	--	--	--	-- ------	-- ------	173 Feb 28	178 Jun 3
	Sao Paulo (City)—											
----	*△8s extl secured s f 1952	M-N	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
1,000	Stamped pursuant to Plan A (interest reduced to 2.375%) 2001	M-N	74	--	86	--	86	--	90 July 23	90 July 23	77½ Feb 6	90 July 23
----	△6½s extl secured s f 1957	M-N	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
----	Stamped pursuant to Plan A (interest reduced to 2%) 2012	M-N	97	--	97½	--	97½	--	-- ------	-- ------	98 Feb 5	98 Feb 5
----	Serbs Croats & Slovenes— △8s secured external 1962	M-N	24⅝	25¼	26½	--	26½	35	-- ------	-- ------	25 Jan 22	27½ May 13
6,000	△7s series B sec extl 1962	M-N	25	26	26½	--	26⅝	35	26½ July 2	30 July 12	24⅝ Feb 14	30 July 12
----	△Silesia (Prov) ext s f 7s '58	J-D	7⅝	--	7½	--	7½	--	-- ------	-- ------	7⅞ May 15	7⅞ May 15
----	△4½s assented 1958	J-D	7½	8½	6⅞	8¼	6⅞	8¼	-- ------	-- ------	6⅞ Feb 4	7⅝ May 7
	South Africa (Union of)—											
52,000	4¼s external loan 1965	J-D	98⅛	100¼	99½	100	99	99½	99 July 5	99⅛ July 18	98⅛ Jan 10	100 Mar 19
33,000	5½s extl loan Jan 1 1968	J-D	98⅝	Sale	99½	100	99	Sale	99 July 23	99½ July 2	98⅝ Jan 2	100 Jan 17
77,000	5½s extl loan Dec 1 1968	J-J	98	99	99½	Sale	99½	Sale	99½ July 1	100 July 11	98¾ Jan 11	100¼ Feb 25
	South European Pipeline—											
125,000	5½s s f debs 1982	M-S	103½	Sale	105	Sale	104	Sale	102½ July 12	105 July 1	102½ July 12	105¾ Jun 12
	So Italy Development Fund											
191,000	Gtd exter loan 5½s 1974	M-N	101¾	--	100⅜	Sale	95½	99	97 July 23	101 July 2	97 July 23	103⅜ Mar 5

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	Taiwan Elec Power Co Ltd—											
1,000	△5½s (40-yr) s f 1971	J-J	—	—	—	—	—	—	216 July 23	216 July 23	216 July 23	216 July 23
10,000	5½s due 1971 ext to 1981	J-J	100	Sale	100	—	100	—	100 July 29	100 July 29	99 Apr 23	100 Jan 2
	Tokyo (City of)—											
----	△5½s extl loan of '27 1961	A-O	—	—	—	—	—	—	— ------	— ------	— ------	— ------
4,000	5½s due 1961 ext to 1971	A-O	100	Sale	101	—	101¼	—	101¼ July 18	101½ July 25	99 Mar 18	101¾ Jun 12
	Tokyo Elec Light Co Ltd—											
----	*△6s 1st mtge $ series 1953	J-D	—	—	—	—	—	—	— ------	— ------	229 Mar 6	229 Mar 6
----	6s 1953 extended to 1963	J-D	100⅝	Sale	—	—	—	—	— ------	— ------	100 Apr 24	100⅝ Jan 2
	Uruguay (Republic)—											
	3¾-4-4⅛% ($ bonds '37)											
56,000	Extl readjustment 1979	M-N	83⅞	Sale	88½	Sale	87⅛	88½	88 July 22	89¾ July 15	83⅞ Jan 2	91½ Mar 20
4,000	Extl conversion 1979	M-N	84	85	—	92⅞	88	90	89 July 19	90 July 30	86 Mar 4	94 Apr 9
----	3⅞-4⅛-4⅛% ext conv 1978	J-D	—	97⅞	—	99	90	99	— ------	— ------	92 Mar 1	98 May 8
1,000	4-4¼-4½s extl readjust 1978	F-A	96	Sale	—	91	88	91	91 July 5	91 July 5	91 Feb 11	97 Jan 4
----	3½s extl readjustment 1984	J-J	—	93½	87	93¼	87	93¼	— ------	— ------	85 Mar 21	89½ May 6
	Valle Del Cauca—											
	See Cauca Valley (Dept of)											
----	*§△Warsaw (City) extl 7s 1958	F-A	7¼	—	7⅜	—	7⅜	—	— ------	— ------	7⅜ May 3	7½ Jan 9
15,000	*§△4½s assented 1958	F-A	6½	8	7¼	Sale	7	7¼	7¼ July 1	7¼ July 1	6½ Jan 15	7¾ Apr 18
	Westphalia United Elec Power											
----	1st mtge 6s ser A 1953	J-J	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	△Yokohama 6s of '26 1961	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------
4,000	6s due 1961 ext to 1971	J-D	100⅛	—	100½	—	100⅛	—	100½ July 18	101⅞ July 18	100 Jan 4	101⅞ July 18
	RAILROAD AND INDUSTRIAL COMPANIES											
	Air Reduction Co Inc—											
1,101,000	3⅞s conv subord debs 1987	F-A	107	Sale	104½	Sale	103½	Sale	101½ July 23	104⅞ July 3	101½ July 23	110⅞ Jan 15
5,000	Alabama Gt Southn 3⅛s 1967	M-N	92⅛	95½	93⅛	—	93¾	—	93¾ July 15	93¾ July 15	92½ Apr 17	93¾ July 15
16,000	Alabama Pwr 1st M 3½s 1972	J-J	94½	95¾	94⅛	95½	93⅞	95½	93½ July 16	95½ July 2	92 Apr 5	95½ Jan 3
----	1st mortgage 3⅛s 1984	M-S	—	—	—	84	—	84	— ------	— ------	81½ Mar 20	81½ Mar 20
14,000	Albany & Susq RR 4½s 1975	J-J	96¼	—	96¼	Sale	96	—	96¼ July 1	96¼ July 1	96¼ July 1	96⅜ Mar 22
	Aldens Inc—											
180,000	5s conv subord debs 1980	A-O	131⅞	Sale	128	Sale	119½	Sale	119½ July 31	128 July 1	119½ July 31	140½ May 22
----	5⅜s debentures 1981	J-D	103¾	—	103½	—	103½	—	— ------	— ------	103 Jan 22	104½ Mar 13
	Allegheny Ludlum Steel—											
153,000	4s conv subord debs 1981	A-O	99⅝	Sale	100	Sale	100⅜	Sale	99¼ July 2	100⅞ July 26	98½ Apr 25	102½ Jan 8
----	4¾s s f debentures 1986	J-D	—	103½	102	104	—	104	— ------	— ------	102 Jan 11	103½ Jan 3
12,000	Allegheny & West 1st 4s 1998	A-O	60	64	70	Sale	66½	68¾	65⅞ July 18	70 July 1	61½ Jan 17	70 Jun 28
156,000	Allied Chem & Dry 3½s 1978	A-O	94	95	94	Sale	93	93¾	93 July 24	94¼ July 2	93 July 24	95 Feb 14
326,000	Allied Stores Corp 4½s 1981	A-O	103¾	105	103	Sale	102½	Sale	102¼ July 25	103⅜ July 2	102¼ July 25	105 Feb 18
125,000	Alum Co of Amer 3⅛s 1964	F-A	99½	100	99½	Sale	99½	Sale	99 July 19	99⅝ July 2	99 July 19	100 Jan 3
45,000	3s s f debentures 1979	J-D	88½	89	88	—	88½	Sale	88 July 2	89 July 10	88 Apr 16	90 Mar 25
247,000	4¼s s f debentures 1982	J-J	101	Sale	100⅝	Sale	99¼	99¾	99¼ July 22	100⅞ July 1	99¼ July 22	101⅞ Jan 21
25,000	3⅞s s f debentures 1983	A-O	96	98	95	96½	94½	96½	94½ July 10	95¼ July 8	94½ July 10	97½ Jan 23
49,000	Aluminum Co of Can 3⅞s 1970	M-N	99¼	—	99½	Sale	100	Sale	99½ July 1	100 July 2	99¼ Jan 4	100 Mar 19
116,000	4½s s f debentures 1980	A-O	101½	102¼	100¾	101⅛	101	Sale	100¾ July 5	101¾ July 8	100¾ Jun 19	102¾ Jan 10
5,000	American Airlines 3s debs 1966	J-D	96¾	97¼	96¾	97½	96¾	97½	96¾ July 2	96¾ July 2	96¾ Apr 16	96¾ Apr 16
22,000	American Can Co 3¾s 1988	A-O	93	93¾	93	Sale	—	93	93 July 1	93¼ July 9	92½ Jun 11	95 Feb 20
33,000	4¾s debentures 1990	J-J	104½	—	104¼	Sale	105	105¼	104¼ July 1	105 July 26	104¼ Apr 9	106 May 21
169,000	American Distilling Co—											
	4⅜s conv subord debs 1986	M-N	107¼	Sale	110½	Sale	107½	Sale	107 July 31	110½ July 1	105 May 8	113½ Jan 24
321,000	Amer & Foreign Pwr 5s 2030	M-S	65¼	Sale	74	Sale	72½	Sale	71½ July 25	74 July 1	65 Jan 2	78 May 9
333,000	4.80s junior debs 1987	J-J	63	Sale	73½	Sale	70	Sale	69 July 23	73½ July 1	63 Jan 2	75¾ May 9
	American Machine & Foundry											
491,000	4¼s conv subord debs 1981	M-S	90¾	Sale	95	Sale	91⅞	Sale	91⅜ July 22	95¾ July 2	90⅝ Jan 2	98 Feb 18
	American Optical Co—											
82,000	4.40s conv subord debs 1980	A-O	122¾	Sale	123	127¾	125¾	Sale	123 July 23	126 July 31	121½ Jan 9	130 May 29
	American Sugar Co—											
550,000	5.30s subord debs 1993	A-O	—	—	106½	Sale	105½	Sale	104¾ July 22	106¾ July 8	104¾ July 22	108 May 2
	American Tel & Tel—											
97,000	2¾s debentures 1980	F-A	82	Sale	81	81½	80¾	Sale	80½ July 5	81¾ July 15	80 May 7	83 Mar 13
193,000	2¾s debentures 1975	A-O	86½	Sale	85⅛	Sale	85½	Sale	85 July 2	86 July 17	85 Apr 11	88¼ Jan 14
111,000	2⅝s debentures 1986	J-J	76½	77⅜	75¼	Sale	76⅜	Sale	75 July 12	76⅜ July 10	74¾ May 13	77⅞ Jan 21
63,000	2¾s debentures 1982	A-O	80½	81½	80⅛	Sale	81	81½	80⅛ July 1	81 July 25	79⅛ Apr 15	81¾ Feb 15
46,000	2⅞s debentures 1987	J-D	—	—	78¾	80	78¾	79	78⅜ July 2	79 July 8	78 Apr 11	80½ Jan 7
284,000	3⅜s debentures 1973	J-D	93⅜	Sale	93⅞	Sale	93	Sale	92¼ July 9	93⅞ July 1	92¼ July 9	95⅜ Jan 18
154,000	2¾s debentures 1971	F-A	91⅛	Sale	90¾	91	90¾	Sale	90 July 16	90⅞ July 3	89¾ Jun 14	91¾ Feb 27
65,000	3¼s debentures 1984	M-S	86⅝	Sale	87	Sale	85¼	86¼	85¼ July 23	87 July 1	84¾ Apr 16	87½ Jan 8
251,000	3⅞s debentures 1990	J-J	94½	Sale	93¼	95	92⅝	Sale	92½ July 30	94½ July 2	92½ Apr 22	96 Jan 16
1,122,000	4⅜s debentures 1985	A-O	102½	Sale	102⅛	Sale	101⅜	Sale	100⅞ July 24	102¼ July 2	100⅝ Apr 11	103⅞ Jan 18
132,000	4¼s conv debs 1973	M-S	316	Sale	327	Sale	330	Sale	325 July 24	340 July 11	313 Jan 2	353 May 2
153,000	American Tob 3s debs 1969	A-O	96	Sale	97⅛	Sale	97½	Sale	96¾ July 22	97½ July 23	96 Jan 2	98 May 15
20,000	3¼s debentures 1977	F-A	92¼	—	92	92½	91⅛	92	91⅛ July 19	92 July 9	91⅛ July 19	92½ Jan 8
----	Anheuser Busch Inc 3⅜s 1977	A-O	91½	92½	92	93¼	91	92¼	— ------	— ------	91⅞ Jan 15	93 Jan 30
3,000	Ann Arbor 1st g 4s July 1995	Q-J	58	63½	70½	73	69	70¾	70¾ July 1	70¾ July 1	63¼ May 7	70¾ July 1
91,000	Apco Oil Corp 5¾s 1981	A-O	100⅜	—	103½	—	101	102½	102⅜ July 23	104 July 2	101 Jan 3	104½ May 17
	Armco Steel Corp—											
65,000	4.35s s f debentures 1984	A-O	102	—	100½	102	99¾	101	99¾ July 24	100⅞ July 9	99¾ July 24	102¾ Mar 12
5,000	4½s s f debentures 1986	J-D	102½	—	102	104	102½	Sale	102½ July 31	102⅝ July 16	102 Jun 13	104 Mar 4
	Armour & Company—											
345,000	△5s inc subord debs 1984	M-N	91½	Sale	96¾	Sale	98½	Sale	96⅛ July 17	98½ July 29	91½ Jan 2	98½ July 29
447,000	4½s conv subord debs 1983	M-S	106⅞	Sale	106½	Sale	108	Sale	105½ July 22	108¾ July 29	105½ Feb 26	111½ May 3
	Ashland Oil & Ref—											
1,001,000	3⅞s conv subord debs 1993	F-A	—	—	106¾	Sale	105¾	Sale	103½ July 22	106¾ July 1	101⅝ Mar 21	111½ May 14
55,000	Associates Invest 4½s 1976	F-A	101¼	Sale	100⅛	Sale	101	Sale	100 July 31	102 July 10	100 July 31	102 Feb 1
10,000	5¾s subord debs 1977	J-D	105½	106¾	108	Sale	106	—	105¾ July 23	108⅛ July 9	105¼ Feb 7	108⅛ July 9
13,000	5¼s debentures 1977	F-A	106	—	—	106¾	104½	105	104½ July 26	105 July 25	104½ July 26	107½ Mar 18
13,000	5⅛s debentures 1979	F-A	101	101¾	104	—	102¾	105	104 July 10	104⅛ July 2	104 May 7	104¾ Jan 11
35,000	4½s debentures 1983	A-O	101	101¾	101⅝	Sale	100½	Sale	100½ July 31	101⅝ July 1	100½ July 31	103¼ Jan 15
17,000	4⅜s debentures 1984	M-N	—	—	—	—	98¼	98¾	98½ July 26	98¾ July 24	98½ July 26	98¾ July 24
	Atchison Top & Santa Fe—											
174,000	General gold 4s 1995	A-O	96	Sale	94½	Sale	95	Sale	94¼ July 10	95½ July 5	94 Apr 23	96⅞ Jan 3
14,000	Stamped 4s July 1995	M-N	86	Sale	90	91½	89	Sale	89 July 31	90½ July 12	89 July 31	92⅜ Jan 18
	Atlanta & Charlotte Air Line—											
----	¶1st mortgage 3¾s 1963	M-N	99¾	100	99⅝	—	99⅝	—	— ------	— ------	99⅝ May 16	100 Jan 3
	Atlantic Coast Line—											
274,000	Gen unified 4½s ser A 1964	J-D	100⅞	101½	102	Sale	100	Sale	99½ July 25	102 July 1	99½ July 25	102⅛ Jun 17
23,000	Gen mtge 4s ser A 1980	M-S	92⅜	—	92	94½	91½	92	91½ July 12	92 July 3	91½ July 12	94 Apr
6,000	Gen mtge 4¼s ser C 1972	J-J	96	—	97⅛	—	95½	97⅛	96 July 29	96 July 29	96 Jan 7	98 Mar 15
----	Gen mtge 3⅝s ser D 1980	M-S	80	—	82½	—	82½	—	— ------	— ------	81 Jun 6	81 Jun 6
12,000	Gen mtge 4.95s ser E 1988	J-J	—	—	—	—	101¾	102⅝	101¾ July 24	102⅜ July 30	101¾ July 24	102⅜ July 30
16,000	Atlantic Refin 2⅝s debs 1966	J-J	96½	96¾	97¼	97½	96½	97¼	96½ July 12	97¼ July 9	96½ Jan 7	97⅜ Mar 12
22,000	3¼s debentures 1979	J-J	90¾	—	90½	91	89	—	89⅛ July 24	91 July 8	89⅛ July 24	91 Feb 27
593,000	4½s conv subord debs 1987	F-A	112½	Sale	112	Sale	113⅞	Sale	112 July 1	114 July 31	111⅜ Jan 3	118¼ Apr 18
	Automatic Canteen Co of Amer											
367,000	4¾s conv subord debs 1981	J-J	95¾	Sale	100	Sale	99¾	Sale	95¼ July 22	101 July 3	95 Jan 7	102 May 15
	Avco Manufacturing Corp—											
666,000	5s conv subord debs 1979	F-A	214½	Sale	239	Sale	226¼	Sale	224 July 22	249 July 9	208 Mar 4	252½ Jun 12
	Baltimore & Ohio RR Co—											
73,000	1st cons mtge 3⅞s ser A 1970	F-A	81⅞	Sale	87⅛	87⅞	86½	Sale	86½ July 23	88 July 12	81⅞ Jan 2	88 May 24
260,0000	1st cons mtge 4s ser B 1980	M-S	71½	Sale	76½	Sale	74	Sale	73⅝ July 29	76¾ July 2	68½ Mar 28	77¾ May 24
266,000	1st cons mtge 4¼s ser C 1995	A-O	70	Sale	77	Sale	75¾	Sale	74⅛ July 24	77¼ July 12	68 Jan 22	78½ Jun 10
636,000	△Conv 4½s inc Feb 1 2010	May	78	Sale	90	Sale	88	Sale	86¼ July 29	92¾ July 16	72 Jan 18	92¾ July 16
458,000	4½s conv debs ser A 2010	J-J	67	Sale	73	Sale	73	Sale	71 July 30	73⅞ July 8	64¼ Jan 16	78 Feb 28
	Baltimore Gas & Elec Co—											
----	1st ref mtge 3s ser Z 1989	J-J	80	—	—	—	—	—	— ------	— ------	79 Jun 3	81 Feb 7
----	1st ref mtge 3¼s 1990	J-D	80⅝	—	—	79	—	82	— ------	— ------	82 Apr 17	86 Jan 25
4,000	1st ref mtge s f 4s 1993	M-S	95	96½	94	95⅞	93½	94¾	93½ July 30	94 July 9	93½ July 30	96¼ Feb 12
117,000	4¼s conv debentures 1974	J-J	136½	Sale	144½	Sale	137⅝	Sale	136⅜ July 24	144½ July 1	135½ Jan 7	150 Feb 7
	Baxter Laboratories Inc—											
183,000	4s conv subord debs 1982	A-O	109¾	Sale	111	—	110	Sale	110 July 5	111½ July 2	106 Feb 27	112 Jun 14

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
8,000	Beneficial Finance 5s 1977	M-N	104½	--	105	--	103½	--	103½ July 29	103⅝ July 24	103½ July 29	105½ Jan 18
66,000	4⅞s debentures 1981	J-D	105	Sale	104	Sale	103	105½	102 July 24	104⅛ July 16	102 July 24	105⅛ Jan 8
	Bethlehem Steel Corp—											
8,000	Cons mtge 2¾s ser I 1970	J-J	91½	92	91½	92⅛	91⅛	92	91 July 11	91½ July 3	91 Feb 27	92¼ Jan 17
17,000	Cons mtge 2¾s ser J 1976	M-N	85¼	--	87	--	85	--	85 July 26	87 July 16	85 July 26	88 Apr 1
6,000	Cons mtge 3s ser K 1979	J-J	87½	--	86¼	--	85½	--	85⅛ July 18	86⅜ July 3	85⅛ July 18	87½ Jan 8
287,000	3¼s conv debentures 1980	M-N	97½	Sale	102	Sale	102	Sale	100 July 22	104 July 5	97¼ Jan 2	112 Apr 15
	Boeing Airplane Co—											
837,000	4½s conv subord debs 1980	J-J	102¼	Sale	101½	Sale	98	Sale	96½ July 26	101½ July 1	96½ July 26	106 Feb 26
10,000	Borden Co 2⅞s debs 1981	M-S	84⅞	85½	86⅜	--	86½	--	86¾ July 24	86¾ July 24	84¾ Jan 17	87 Mar 27
----	4⅜s s f debentures 1991	J-D	103¼	104⅛	101⅜	--	--	--	-- ------	-- ------	101⅛ May 10	104⅛ Jan 28
	Boston & Maine RR—											
18,000	1st 5s series AC 1967	M-S	36	42¾	46⅜	47	47½	Sale	46⅛ July 24	47½ July 31	41½ Jan 7	50½ Feb 12
256,000	△Inc M 4½s Ser A July 1970	May	17	Sale	18⅛	Sale	19½	Sale	16⅝ July 25	18⅞ July 1	16⅝ July 25	23¼ Mar 11
368,000	1st mtge 6s series ss 1965	F-A	46¼	Sale	52	Sale	52½	Sale	49½ July 22	52½ July 31	46⅛ Jan 2	55¼ Feb 18
11,000	Bristol-Myers Co 3s debs 1968	A-O	96⅛	--	97½	--	97¾	--	97½ July 15	97¾ July 24	97 Jan 7	97¾ July 24
	Brooklyn Union Gas Co—											
15,000	General mtge 2⅞s 1976	J-J	84¼	Sale	84½	Sale	84½	--	84⅜ July 25	84½ July 1	84¼ Jan 2	85¾ Jan 18
----	1st mortgage 3s 1980	J-J	77½	--	78¾	--	78¾	--	-- ------	-- ------	-- ------	-- ------
3,000	1st mortgage 4⅛s 1983	M-N	98⅛	--	--	98⅜	95	98½	95 July 22	98⅜ July 5	95 July 22	99 Feb 25
27,000	1st mortgage 4⅜s 1988	M-S	--	--	100¼	101	--	100¾	99¼ July 9	100⅞ July 2	99¼ July 9	101¼ May 13
----	Brown Shoe Co 3½s debs 1971	J-J	96⅛	--	95¾	97	95¾	--	-- ------	-- ------	95⅞ Mar 12	96⅞ Jan 9
	Brunswick Corp—											
573,000	4½s conv subord debs 1981	J-J	91⅛	Sale	92½	Sale	89¾	Sale	89¾ July 31	93⅜ July 8	89¾ July 31	96½ Apr 11
12,000	Buffalo Niag Elec 2¾s 1975	M-N	85½	86¼	85⅛	--	85⅛	--	85 July 10	85⅛ July 12	85 July 10	86½ Jan 14
	Burroughs Corp—											
395,000	4½s conv subord debs 1981	J-D	109⅞	Sale	108⅛	Sale	108¾	Sale	106 July 22	109½ July 8	105½ Apr 19	114¾ Jan 24
----	California Elec Power 3s 1976	J-D	--	87	85	--	85¼	--	-- ------	-- ------	84½ Jun 14	87 Jan 14
	Canadian Pacific Ry—											
274,000	4% consol deb (perpetual)—	J-J	77	Sale	84⅛	Sale	81	Sale	80 July 22	84⅛ July 1	76½ Jan 2	85½ Jun 25
59,000	Caro Clinch & Ohio 4s 1965	M-S	100	100½	99¾	100¼	99⅞	--	99¾ July 2	100⅛ July 2	99½ Apr 15	100½ Jan 3
2,000	Carthage & Adir Ry 4s 1981	J-D	54	60½	62	66	60	66	64 July 9	66 July 15	55 Jan 18	66 July 15
66,000	Case (J I) Co 3½s debs 1978	F-A	57¼	61½	71½	75	69½	75	70½ July 12	71½ July 11	57½ Feb 1	72½ Jun 14
354,000	5½s conv subord debs 1983	A-O	74	Sale	84¼	Sale	82	Sale	78⅞ July 25	84¼ July 1	73¼ Jan 2	88½ May 31
65,000	Caterpillar Tractor 4½s 1977	M-N	103½	104½	103⅜	Sale	103⅜	Sale	102 July 19	103⅜ July 1	102 July 19	105 Jan 10
18,000	4⅝s s f debentures 1986	J-D	105	Sale	104⅝	--	--	104½	104⅝ July 5	104⅝ July 5	104 Apr 10	106 Feb 28
30,000	Celanese Corp 3s debs 1965	A-O	97¼	98½	98⅛	98¾	98	Sale	98 July 22	98⅞ July 10	97½ Jan 30	98⅞ July 10
33,000	3½s debentures 1976	A-O	91	Sale	90	91½	90¼	91½	90 July 5	90¼ July 19	89⅞ Apr 16	91¼ Jan 14
	Central of Georgia Ry—											
23,000	1st mtge 4s series A 1995	J-J	78¼	79	81	82	80¼	81	80¼ July 29	82 July 8	77½ May 7	82 Feb 20
----	△Gen mtge 4½s ser A 2020	May	81½	--	92⅝	--	92⅝	--	-- ------	-- ------	82 Feb 6	82 Feb 6
42,000	△Gen mtge 4½s ser B 2020	May	72⅜	75	78	79⅛	76¾	Sale	76 July 29	79 July 9	71¼ Apr 22	80 Jun 18
	Central Illinois Light Co—											
70,000	4¼s conv debentures 1974	J-D	118¼	Sale	122½	123½	125½	126¼	122¾ July 2	125¾ July 26	117¼ Jan 29	127½ Apr 23
1,147,000	Cent RR Co of N J 3¼s 1987	J-J	40¼	Sale	47	Sale	45⅛	Sale	44⅞ July 8	47 July 1	40¼ Jan 2	47½ Jun 24
28,000	Cent N Y Pwr gen mtg 3s 1974	A-O	88½	--	88¼	--	89	Sale	88 July 12	89 July 31	87⅞ Apr 18	91 Jan 8
	Central Pacific Ry—											
2,000	1st & ref 3½s ser A 1974	F-A	86	--	87⅛	--	87⅝	--	87⅛ July 2	87½ July 8	86 Jan 23	87½ July 8
6,000	1st mtge 3⅝s ser B 1968	F-A	94	--	95⅛	--	95⅛	--	95⅛ July 5	95⅛ July 5	95⅛ Apr 8	96 Feb 19
	Cerro de Pasco Corp—											
147,000	5½s conv subord debs 1979	M-N	101	Sale	108½	109	108¾	Sale	108½ July 2	110 July 8	100½ Jan 2	110 July 8
	Chadbourn Gotham Inc—											
6,000	5.90s conv sub debs ww 1971	A-O	103	106	--	100	--	100	100 July 2	100 July 2	99 Apr 25	110 Jan 11
80,000	Without warrants	A-O	98	101	97	Sale	96¾	98¾	95½ July 26	99¼ July 9	94 Apr 19	105 Jan 11
33,000	6s conv sub debs ww 1974	A-O	103	106	100⅞	Sale	--	--	97⅝ July 26	101 July 12	97⅝ July 26	111 Jan 24
86,000	Without warrants	A-O	98	101⅞	98	Sale	97	99¼	96½ July 30	99 July 9	95 Apr 16	106 Jan 15
	Champion Paper & Fibre—											
7,000	3¼s debentures 1965	J-J	97½	--	98⅝	99	--	98½	98½ July 19	98⅝ July 18	98½ July 19	98⅝ Mar 12
----	3¾s debentures 1981	J-J	91½	--	92⅛	--	92⅛	--	-- ------	-- ------	92⅛ May 23	92½ Mar 14
23,000	4½s conv subord debs 1984	J-J	107	110	110	Sale	105	107	107 July 23	110 July 1	104⅞ Mar 14	112 Jun 6
	Chesapeake & Ohio Ry—											
66,000	General gold 4½s 1992	M-S	98⅞	Sale	99⅞	Sale	98⅛	100	98 July 29	101 July 12	98 May 27	101 July 12
28,000	Ref & imp 3½s ser D 1996	M-N	83⅜	--	84	--	83	Sale	83 July 30	84½ July 10	82 Feb 12	84⅞ Jun 19
14,000	Ref & imp 3½s ser E 1996	F-A	82	--	85⅛	--	84⅛	--	84⅛ July 17	85⅛ July 3	82 Jan 3	85⅛ May 28
37,000	Ref & imp M 3⅞s ser H '73	J-D	95	Sale	96½	98	95¾	Sale	95¾ July 9	96⅛ July 22	95 Jan 2	98 Mar 5
----	R & A div 1st cons 4s 1989	J-J	85⅝	--	89	--	89	--	-- ------	-- ------	86¼ Jan 28	88½ Apr 26
----	2nd cons gold 4s 1989	J-J	80⅝	--	82⅝	--	83⅛	--	-- ------	-- ------	80⅝ Jan 21	82 Jun 10
	Chic Burlington & Quincy—											
5,000	1st & ref mtge 3⅛s 1985	F-A	85⅝	--	86	--	86	--	86 July 5	86 July 5	85⅝ Feb 1	86 Feb 25
16,000	1st & ref mtge 2⅞s 1970	F-A	88½	--	89⅝	91¼	87¾	--	89⅝ July 3	89⅝ July 3	86½ Jan 9	89⅞ Jun 27
----	1st & ref mtge 3s 1990	F-A	78	--	80	--	80	--	-- ------	-- ------	82 May 27	82 May 27
----	1st &ref mtge 4⅜s 1978	F-A	94½	--	97⅛	98	97	97¼	-- ------	-- ------	94½ Jan 25	97⅛ May 23
	Chicago & Eastern Ill RR—											
108,000	△Gen M inc 5s (conv) 1997	April	58	59⅜	71¼	Sale	76	Sale	71¼ July 1	76 July 31	59⅜ Jan 3	76 July 31
15,000	1st mtge 3¾s ser B 1985	M-N	64¾	--	72	--	72	--	72 July 10	72 July 10	68 Mar 29	72 Jun 28
291,000	△5s income debs Jan 2054	M-N	29	Sale	38¾	Sale	44	Sale	37 July 2	44¼ July 31	29 Jan 2	44¼ July 31
111,000	Chicago & Erie 1st g 5s 1982	M-N	71	73	72	Sale	69⅛	Sale	69 July 30	72¼ July 2	69 July 30	77 Mar 6
45,000	Chic Gt Western 4s ser A 1988	J-J	74⅞	Sale	79½	82⅝	81	82	80 July 2	82 July 10	73⅛ Jan 7	84 Jun 6
43,000	△Gen inc M 4½s Jan 2038	April	62¾	Sale	70	Sale	68⅞	Sale	68⅞ July 31	70¼ July 10	60¼ Mar 22	70¼ July 10
	Chic Ind'polis & Loisv Ry—											
162,000	△1st M inc 4s ser A Jan '83	April	48¼	Sale	53	Sale	54	Sale	51 July 11	55 July 26	45 Apr 2	59⅞ Feb 18
103,000	△2d M inc 4½s A Jan 2003	April	36	Sale	60	Sale	61	Sale	56 July 3	61 July 31	36 Jan 2	61 July 31
	Chic Milw St Paul & Pac—											
16,000	4s series A 1994	J-J	77¾	78¼	82	--	81⅛	82	81⅛ July 18	82 July 3	77½ Jan 3	82¼ Jun 24
34,000	4½s series A Jan 2019	April	78⅛	79	81¾	82	79½	82	81 July 11	81¾ July 2	78½ Feb 11	82¼ May 1
115,000	4½s conv inc ser B Jan 2044	April	56⅛	Sale	65⅛	Sale	63	Sale	62 July 25	66½ July 5	56⅛ Jan 2	68 May 27
383,000	△5s inc debs ser A 2055	M-S	54¼	Sale	63	Sale	63¼	Sale	62 July 29	65 July 10	54 Jan 3	65 July 10
	Chic & North Western Ry—											
1,597,000	△2d M cv inc 4½s Jan 1999	April	49	Sale	68¾	Sale	70	Sale	67¼ July 2	71½ July 12	49 Jan 2	71½ July 12
7,000	1st mtge 3s series B 1989	J-J	51⅝	53	54½	60	58	60⅞	60 July 5	61 July 8	53½ Jan 16	61 July 8
----	Chicago Rock Island & Pacific RR 2⅞s series A 1980	J-J	71⅝	--	71½	--	71½	--	-- ------	-- ------	71½ Jan 24	71⅝ Jan 24
20,000	4½s income debentures 1995	M-S	76¾	--	84	85½	84⅛	85½	85½ July 3	85½ July 3	77 Feb 25	86 Jun 3
12,000	1st mtge 5½s series C 1983	F-A	102	105	103¾	--	105	--	104 July 5	104½ July 5	101 Apr 10	105 Jun 6
	Chic T H & Southeast—											
19,000	1st & ref M 2¾s-4¼s 1994	J-J	55⅜	57⅞	61	63½	62⅝	--	62 July 18	62⅛ July 17	58 Jan 3	63½ May 15
27,000	Income 2¾s-4¼s 1994	J-J	51⅞	55	60	62⅛	60½	62⅛	60 July 9	61 July 16	55 Jan 3	62½ Feb 28
	Chicago Union Station—											
----	1st mtge 3⅛s series F 1963	J-J	99⅝	Sale	--	--	--	--	-- ------	-- ------	99⅛ Jan 2	100 Feb 18
----	1st mtge 2⅞s series G 1963	J-J	99¼	99⅝	--	--	--	--	-- ------	-- ------	99¼ Jan 17	99¾ Feb 18
	Chicago & Western Ind RR—											
6,000	1st coll tr M 4⅜s ser A 1982	M-N	100	--	99⅞	--	--	99¾	99¾ July 11	99¾ July 11	99½ May 7	100 Jan 7
	Chock Full O'Nuts Corp—											
77,000	4½s conv subord debs 1981	M-N	103½	Sale	101½	103	101½	Sale	100 July 30	102½ July 3	100 July 30	106¾ Jan 23
	Cincinnati Gas & Elec—											
26,000	2nd mtge 2¾s 1975	A-O	85¾	--	86	Sale	85	85¾	84⅝ July 23	86½ July 10	84⅝ July 23	86½ Jan 18
----	1st mtge 2⅞s 1978	J-J	--	--	81	--	81	--	-- ------	-- ------	-- ------	-- ------
17,000	1st mtge 4⅛s 1987	M-N	98	--	--	98	--	96	96 July 18	98 July 10	96 July 18	100⅜ Feb 11
	Cincinnati Union Term—											
9,000	1st mtge gtd 3⅜s ser E 1969	F-A	95¾	96½	90⅜	--	92⅜	--	92 July 11	92⅛ July 17	92 July 11	96½ Jan 23
17,000	1st mtge 2¾s series G 1974	F-A	86	--	86½	Sale	86	--	86 July 11	86½ July 1	86 Jan 15	87½ Mar 4

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	C I T Financial Corp—											
79,000	3⅝s debentures 1970	M-S	96¾	Sale	96⅞	Sale	95½	Sale	95½ July 16	96⅞ July 1	95½ July 16	98⅜ Jan 28
386,000	4¼s debentures 1971	A-O	101¼	Sale	101¼	Sale	101	Sale	100 July 18	102¼ July 3	100 July 18	102¾ Jan 17
154,000	Cities Service 3s s f debs 1977	J-J	86½	87	86⅛	Sale	85⅝	86	85⅝ July 2	86¼ July 3	85⅝ July 2	87¾ Mar 11
	City Products Corp—											
203,000	5s conv subord debs 1982	J-D	105	Sale	107¼	109⅜	109⅞	Sale	107 July 16	109⅞ July 29	105 Jan 2	110 Mar 7
	Cleve Cinc Chicago & St L—											
5,000	General gold 4s 1993	J-D	62½	Sale	67½	—	67½	Sale	67½ July 10	67½ July 10	62½ Jan 2	68 Apr 26
----	General 5s series B 1993	J-D	76	80	79¼	—	79¼	—	— ------	— ------	79½ Jun 21	80 Apr 25
248,000	Ref & impt 4½s ser E 1977	J-J	72¾	Sale	83	Sale	81	82⅛	81 July 29	84 July 5	72¾ Jan 2	84 July 5
27,000	Cinc W & M Div 1st 4s 1991	J-J	53½	59	63½	—	—	62	62⅜ July 25	64 July 9	56 Jan 22	64⅞ Jun 17
1,000	St L Div 1st coll tr 4s 1990	M-N	80¾	85	83⅛	—	83⅛	—	85 July 22	85 July 22	81 Jan 21	85 Feb 20
99,000	Cleveland Elec Illum 3s 1970	J-J	93¼	Sale	93¼	Sale	93⅞	94¼	93⅛ July 2	94 July 30	92½ Jun 14	94 Jan 18
2,000	1st mortgage 3s 1982	J-D	80⅛	—	82	—	81	—	82 July 3	82 July 3	80⅛ Jan 22	82⅛ Jun 11
5,000	1st mortgage 2¾s 1985	M-S	72⅛	—	78	—	71	—	76 July 24	76 July 24	76 July 24	78¼ Jan 28
5,000	1st mortgage 3⅜s 1986	J-D	82	—	85	86	86⅜	—	85 July 2	86 July 12	85 May 31	88 Jan 29
----	1st mortgage 3s 1989	M-N	78	80	77¾	—	78	85	— ------	— ------	78⅜ Jun 27	80⅞ Mar 13
1,000	1st mortgage 3⅞s 1993	M-S	94⅜	95¼	92½	93½	92¼	—	92¼ July 8	92⅛ July 8	92¼ July 8	97 Feb 5
11,000	1st mortgage 4⅜s 1994	A-O	101	102½	100⅜	101½	101	101½	101½ July 3	101½ July 3	100⅛ Jun 27	103½ Feb 8
	Colorado Fuel & Iron Corp—											
196,000	4⅞s ser A s f conv debs 1977	J-J	81	Sale	86¼	Sale	85¾	87	85⅜ July 22	87 July 30	81 Jan 2	87½ Jun 14
	Columbia Gas System Inc—											
8,000	3s debentures series A 1975	J-D	89½	Sale	88	90	88	90	88 July 8	88 July 8	88 Apr 22	91 Feb 26
33,000	3s debentures series B 1975	F-A	89½	92	88½	90	88	91½	88 July 22	88½ July 3	88 July 22	90 Jan 17
29,000	3⅜s debentures ser C 1977	A-O	89⅝	91½	90⅝	—	89½	—	90 July 24	90⅝ July 2	89⅝ Jan 14	90¾ Jun 13
25,000	3½s debentures ser D 1979	J-J	91¼	Sale	91⅛	—	91⅛	Sale	91⅛ July 12	91¼ July 22	90¾ May 21	92¾ Mar 5
----	3⅝s debentures ser E 1980	M-S	92½	93	92¼	94	92¼	94	— ------	— ------	92½ Apr 19	93¼ Jan 28
32,000	3⅞s debentures ser F 1981	A-O	95	96¼	94⅜	96	94¾	97	94⅝ July 8	95⅛ July 9	94⅝ Feb 28	96½ Jan 29
39,000	4¾s debentures ser G 1981	A-O	104	—	104⅛	—	103¾	Sale	103¾ July 31	104¼ July 12	102 Jun 7	104½ Apr 5
38,000	5s debentures series I 1982	O-A	103⅝	105¾	105⅞	Sale	105	Sale	105 July 31	106½ July 12	103¼ Feb 14	106⅞ Jun 10
63,000	4⅜s debentures ser J 1983	M-S	100	100½	100¾	—	99¾	100½	99 July 15	100¾ July 2	99 July 15	102½ Feb 28
35,000	4⅞s debentures ser K 1983	O-A	101¼	104⅜	104	104½	103	105½	103 July 25	104½ July 3	103 July 25	105 Jun 26
27,000	5⅛s debentures ser O 1985	A-O	104¾	Sale	105¾	Sale	104½	106½	105 July 22	106½ July 9	104¾ Jan 2	106¾ May 16
2,000	3½s conv subord debs 1964	M-N	97½	—	98½	99⅛	99	—	99 July 10	99⅛ July 8	98¼ Jan 8	99⅛ Jun 20
	Columbus & Sou-Ohio Elec—											
1,000	1st mortgage 3¼s 1970	M-S	93½	94½	94	95	—	—	94½ July 15	94½ July 15	93½ Jan 4	95 Jan 30
----	1st mortgage 3⅝s 1983	M-N	—	—	—	—	—	—	— ------	— ------	86½ Jan 24	86½ Jan 24
----	1st mortgage 3¾s 1986	A-O	—	—	91	—	—	—	— ------	— ------	91 Jun 13	91⅛ Apr 30
26,000	1st mortgage 4½s 1987	M-S	101⅞	—	99	—	100⅞	—	100 July 3	101 July 9	100 July 3	102⅝ May 21
	Combustion Engineering Inc—											
201,000	3⅜s conv subord debs 1981	J-D	100¾	Sale	105	Sale	104¼	105	102¼ July 26	107½ July 5	100½ Jan 2	110 May 22
	Commonwealth-Edison Co—											
86,000	1st mortgage 3s ser L 1977	F-A	88½	Sale	86¼	Sale	87	Sale	86¼ July 1	87½ July 12	86¼ Jun 21	89¼ Jan 4
7,000	1st mortgage 3s ser N 1978	J-D	86½	87¾	—	85½	—	—	84¾ July 10	85½ July 11	84¾ July 10	88 May 15
----	3s s f debentures 1999	A-O	77	80	78⅝	91	78⅝	81½	— ------	— ------	78½ Jan 18	79⅝ Feb 5
10,000	2¾s s f debentures 1999	A-O	72⅛	—	73	77¾	73½	77¾	73½ July 2	73½ July 2	72⅛ Jan 8	73½ July 2
4,000	2⅞s s f debentures 2001	A-O	76	78	76⅝	79	76¾	Sale	76⅝ July 17	76¾ July 31	75 Apr 5	76¾ July 31
	Consolidated Edison Co N Y—											
	1st & refunding mortgage											
48,000	2¾s series A 1982	M-S	80⅜	80⅞	80	Sale	80½	—	80 July 1	80⅝ July 15	79½ Jun 6	82 Mar 25
42,000	2⅝s series B 1977	A-O	83⅛	83⅞	82¾	82⅞	82½	Sale	81½ July 12	84 July 3	81½ July 12	84 July 3
57,000	2¾s series C 1972	J-D	90½	—	88¾	Sale	88½	89	87½ July 11	89½ July 16	87½ July 11	90⅞ Feb 21
69,000	3s series D 1972	M-N	—	—	90⅛	—	91	91¼	89½ July 11	91 July 30	89½ July 11	92 Jan 25
19,000	3s series E 1979	J-J	85	—	85	—	84½	85½	84½ July 25	85 July 17	84½ Jun 14	86¾ Jan 3
18,000	3s series F 1981	F-A	85½	—	83½	84	83	83¾	83 July 29	84 July 5	82⅜ Jun 13	85½ Jan 24
15,000	3¼s series G 1981	M-N	88⅛	Sale	86¾	88	86⅛	Sale	86 July 24	87½ July 11	84¼ May 20	89 Feb 15
1,000	3⅜s series H 1982	M-S	89	89⅞	87½	88⅝	87¼	88⅝	88⅝ July 2	88⅝ July 2	87⅜ Jun 10	89⅞ Jan 7
5,000	3½s series I 1983	F-A	90¼	90¾	90	90½	89	90¾	90 July 10	90¾ July 12	88 Apr 19	91½ Feb 13
9,000	3⅜s series J 1984	J-J	—	—	—	87¾	86⅞	87¾	86¾ July 12	87 July 12	86¼ May 3	89 Jan 14
7,000	3⅜s series K 1985	J-D	88¼	89	86¾	87½	85¾	87	87 July 24	87 July 24	85¾ Jun 7	88⅞ Jan 15
7,000	3⅝s series L 1986	M-N	90¾	—	—	—	—	—	90 July 23	91 July 15	88 May 29	92⅜ Feb 7
178,000	4¼s series M 1986	A-O	101½	102½	100	Sale	102¼	Sale	100 July 1	102¼ July 31	98¾ Apr 26	102½ Jan 4
52,000	5s series N 1987	A-O	105¼	Sale	106½	Sale	106½	Sale	106 July 3	107¼ July 25	105⅛ Jan 3	107⅜ Jun 27
224,000	4s series O 1988	J-D	97	99¾	96¼	Sale	95¼	Sale	94½ July 12	96¼ July 1	94½ July 12	99⅜ Jan 11
----	4¾s series R 1990	J-D	105	Sale	106	—	—	105	— ------	— ------	104¼ Apr 23	106 May 7
57,000	5s series S 1990	J-D	106¾	—	108¾	—	106⅝	108¼	105½ July 26	109 July 2	105½ July 26	109 July 2
11,000	4⅜s series T 1991	J-D	105	105⅜	105½	—	105	—	105 July 15	105½ July 10	104 Jun 4	106⅜ Jan 14
48,000	4⅝s series U 1991	M-N	104	—	105	105½	104	105	103½ July 19	105 July 8	102½ May 14	105⅝ Jun 18
71,000	4⅜s series V 1992	J-D	102½	Sale	101⅛	101¾	101½	Sale	100½ July 22	101¾ July 2	100½ July 22	103 Jan 15
23,000	4⅜s series W 1992	A-O	102	Sale	101	101⅝	101⅛	—	100½ July 24	101¾ July 15	100½ July 24	102¾ Mar 8
	Consolidated Electrodynamics											
65,000	4½s conv subord debs 1984	J-D	103⅞	Sale	107	Sale	103	106	103 July 25	107 July 1	102¼ Apr 5	111¾ Jun 13
	Consol G E L & P (Balt)—											
----	1st ref M 2⅞s ser T 1976	J-J	85½	—	85⅞	—	84½	85	— ------	— ------	85⅞ Jun 12	87⅛ Mar 22
----	1st ref M 2⅞s ser U 1981	A-O	82¾	83¾	77	—	75½	—	— ------	— ------	79½ May 16	84 Mar 18
----	1st ref M 2¾s ser X 1986	J-J	—	—	77	—	76	—	— ------	— ------	74 Jun 11	74 Jun 11
	Consolidated Natural Gas—											
6,000	2¾s debentures 1968	A-O	93⅝	—	93¾	—	93¾	—	94½ July 19	94½ July 19	94⅛ Feb 6	94⅝ Mar 18
14,000	3¼s debentures 1976	M-N	90¾	—	91	—	91⅛	Sale	91 July 17	91⅛ July 8	90¼ Apr 24	92½ Feb 28
9,000	3⅛s debentures 1979	J-D	85¾	—	87⅜	91	87	91	87¼ July 24	87⅜ July 15	87 Mar 14	87⅝ Apr 11
----	3s debentures 1978	F-A	85⅝	—	86	—	86	—	— ------	— ------	85½ Jan 7	86 Jun 13
10,000	4⅞s debentures 1982	J-D	103⅞	—	104⅝	—	104½	Sale	104½ July 31	104½ July 31	103¾ Mar 21	106 Jan 14
10,000	5s debentures 1982	M-S	106	Sale	104½	105	105¼	—	104½ July 2	105½ July 25	104½ Feb 7	106¼ Jan 29
41,000	4⅜s debentures 1983	F-A	101½	102¼	100¾	101½	100½	101¼	100½ July 29	101½ July 9	99⅞ Jun 6	102¼ Jan 25
6,000	5s debentures 1985	F-A	105½	106¼	104½	106	105	106	105 July 9	106 July 3	104¼ Apr 10	106¼ Jan 7
15,000	4⅜s debentures 1986	F-A	101	102½	100¾	102	100⅜	101⅜	101¼ July 18	101½ July 26	100¼ Apr 11	103 Jan 22
46,000	4¾s s f debens 1986	M-N	104¼	105	104½	—	105½	—	104 July 9	105 July 17	101¼ Apr 1	105 Jan 4
11,000	4½s debentures 1987	M-S	102	104⅜	102½	103¼	101	101¾	101 July 25	103½ July 5	101 July 25	104¼ Jan 9
132,000	4⅜s debentures 1988	A-O	—	—	101⅜	Sale	100¾	101⅝	100⅝ July 23	101⅞ July 30	100¼ Jun 4	101⅞ July 31
101,000	Consumers Power 2⅞s 1975	M-S	87⅞	Sale	86⅝	Sale	86¾	87	85½ July 17	87 July 3	85½ Apr 11	88⅝ Jan 14
226,000	Conv debentures 4⅜s 1975	F-A	146½	Sale	161½	Sale	161½	Sale	160 July 18	167 July 10	142¾ Mar 4	167 July 10
36,000	1st mortgage 4¾s 1987	A-O	104¼	Sale	104¼	104¾	103	104¼	103 July 24	104¼ July 25	103 Jun 12	105¼ Apr 4
42,000	1st mortgage 4½s 1988	A-O	102½	104	103⅝	105½	103¼	104½	104¼ July 15	104¼ July 15	101½ May 8	104¼ July 15
4,000	1st mortgage 4⅝s 1989	F-A	103½	104½	103	104¼	102¾	104¼	104¼ July 2	104¼ July 2	102¾ May 20	104¾ Mar 8
----	1st mortgage 4⅝s 1990	J-O	—	—	—	—	—	—	— ------	— ------	102½ Feb 27	102½ Feb 27
1,000	1st mortgage 4⅝s 1991	F-A	104	—	102¼	104	102¼	104¼	102¼ July 17	102¼ July 17	102 Apr 11	105 Feb 13
----	Continen Baking 3s debs 1965	J-J	97½	—	98⅜	98⅞	98⅜	98⅞	— ------	— ------	96¾ Feb 11	99 Mar 14
110,000	4⅜s conv subord debs 1983	M-N	104	Sale	105	107	106½	107½	106⅛ July 3	108 July 23	103¾ Feb 6	108 May 21
----	Contin Can 3⅜s debs 1976	A-O	91¼	—	—	92¼	91	92⅛	— ------	— ------	91⅜ Jan 7	92¾ Feb 15
----	4⅝s debentures 1985	A-O	—	—	—	104¼	102	104¾	— ------	— ------	103½ Jan 31	104¾ May 2
----	Continental Oil Corp 3s 1984	M-N	85⅜	—	85¾	—	85½	—	— ------	— ------	85⅝ Jan 4	86⅛ Mar 15
20,000	4½s debentures 1991	M-N	103⅝	Sale	102⅝	103¾	102¼	103½	102¼ July 15	103⅞ July 25	102¼ July 15	104¾ Jan 23
	Copperweld Steel Co—											
110,000	5s conv subord debs 1979	J-D	100¾	102	101	103	101¾	Sale	101⅛ July 23	103 July 3	100¾ Feb 8	104½ Apr 2
46,000	Corn Products Co 4⅝s 1983	A-O	104¼	105	104	104⅞	103⅜	104½	103 July 18	104 July 2	103 July 18	106 Jan 9
	Crowell Collier Publishing—											
127,000	4½s conv subord debs 1981	A-O	96⅝	99	88½	Sale	87⅜	Sale	87¼ July 11	89½ July 5	84 Apr 9	99¾ Jan 4
269,000	5s conv subord debs 1983	A-O	—	—	119	Sale	118⅞	Sale	116 July 17	121 July 11	114¾ May 8	124½ Jun 7
	Crown Cork & Seal Co Inc—											
39,000	4⅜s sf debentures 1988	M-S	—	—	100	100⅜	99⅞	Sale	99½ July 16	100½ July 3	99½ Apr 18	100¾ May 8
6,000	Crucible Stl 1st mtge 3⅛s 1966	M-N	92⅜	95	94⅜	Sale	94⅜	—	94⅜ July 1	94⅜ July 1	93 Feb 6	94⅜ July 1
115,000	△Curtis Publishing Co 6s 1986	A-O	66¾	Sale	75½	Sale	71	Sale	71 July 31	75½ July 1	66¾ Jan 2	82½ Feb 14
----	Daystrom Inc 5¼s 1980	A-O	102½	—	103	—	103	—	— ------	— ------	— ------	— ------

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	Dayton Power & Light—											
13,000	1st mortgage 2¾s 1975	A-O	84¾	86½	85⅛	—	86	Sale	84¾ July 17	86 July 30	84½ Jun 10	86½ Jan 17
----	1st mortgage 3s 1978	J-J	—	—	81½	—	81½	—	— ------	— ------	81½ Jun 17	81½ Jun 17
----	1st mortgage 3s ser A 1978	J-D	—	—	82½	—	82½	—	— ------	— ------	— ------	— ------
11,000	1st mortgage 3¼s 1982	F-A	84	—	86	86¾	86	—	86¾ July 8	87 July 11	85 Jun 13	88 Jan 30
----	1st mortgage 3s 1984	M-S	83	84	79	85½	79	85½	— ------	— ------	82⅞ Jun 12	82⅞ Jun 12
----	Dayton Union Ry 3¼s 1965	J-D	—	—	95	—	95	—	— ------	— ------	— ------	— ------
18,000	Deere & Co 2¾s debs 1965	A-O	97½	—	98	98½	98	—	98 July 8	98 July 8	97½ Jan 9	99⅛ Mar 25
4,000	3⅛s debentures 1977	J-J	—	—	89¾	90¼	89½	—	89½ July 11	89½ July 11	87 Jan 7	90¼ Jun 5
91,000	4½s subord debs 1983	F-A	100	100⅞	100½	Sale	101	Sale	100 July 8	101 July 5	99¾ Apr 11	102½ Feb 21
	Delaware Lack & West RR Co N Y Lack & Western div											
93,000	1st & ref M 5s ser C 1973	M-N	51⅝	—	56	Sale	55½	—	55 July 8	58½ July 26	55 Jan 8	63 Feb 15
----	△Income mtge due 1993	May	11¼	16½	27¼	—	—	26½	— ------	— ------	13 Jan 11	27½ Jun 5
	Morris & Essex division											
219,000	Coll trust 4-6s May 1 2042	M-N	31½	Sale	38	Sale	38½	Sale	36⅜ July 8	38⅝ July 2	31½ Jan 2	43½ Feb 15
	Pennsylvania division											
22,000	1st M & coll tr 5s 1985	M-N	42¾	44¾	50	54	48	49¾	49 July 24	51 July 9	43½ Jan 4	54⅛ Feb 12
2,000	1st M & coll tr 4½s B '85	M-N	37	Sale	43	49	43¼	46¾	47⅞ July 9	48 July 9	37 Jan 2	49¼ Jun 21
4,000	Delaware Pwr & Lt 3s 1973	A-O	88½	90	88	Sale	88	—	88 July 1	88 July 1	87 Jan 30	89½ Jun 12
----	1st mtge & coll tr 3⅛s 1977	J-D	—	—	84½	—	85	—	— ------	— ------	— ------	— ------
----	1st mtge & coll tr 2⅞s 1979	J-J	—	—	80	—	80	—	— ------	— ------	— ------	— ------
----	2¾s 1st mtge & coll tr 1980	M-S	79½	—	77¾	—	77¾	—	— ------	— ------	— ------	— ------
----	1st mtge & coll tr 3⅛s 1984	M-N	—	—	79½	—	79½	—	— ------	— ------	— ------	— ------
----	1st mtge & coll tr 3½s 1985	J-D	—	—	81¾	—	81¾	82	— ------	— ------	— ------	— ------
----	1st mtge & coll tr 3⅞s 1988	J-D	94½	96	—	94	—	94	— ------	— ------	94 May 9	96 Feb 1
	Denver & Rio Gr West— 1st mtge ser A (3% fixed											
1,000	1% contingent int) 1993	J-J	89	90½	89⅜	—	89⅜	—	89⅜ July 16	89⅜ July 16	87 Apr 2	90½ Mar 5
	Inc mtge series A (4½%											
33,000	contingent interest) 2018	April	80¼	88	89½	90½	89⅜	89¾	88⅜ July 9	89⅝ July 10	87 Jan 8	94¼ May 20
	Denver & Salt Lake— Inc mortgage (3% fixed											
----	1% contingent int) 1993	J-J	85¼	—	85⅝	—	85⅝	—	— ------	— ------	84¼ Apr 1	85⅝ Jun 11
	Detroit Edison—											
73,000	Gen & ref 3s ser H 1970	J-D	92⅞	Sale	92⅞	Sale	92	92½	91½ July 18	93 July 3	91 Apr 11	93⅞ Jan 10
8,000	Gen & ref 2¾s ser I 1982	M-S	81⅜	Sale	79¼	80¾	78	—	78¼ July 10	79¼ July 19	78¼ July 10	81⅜ Jan 2
----	Gen & ref M 2¾s ser J 1985	M-S	79½	—	78	80	—	79½	— ------	— ------	80 Jun 10	80 Jun 10
2,000	Gen & ref 3⅜s ser K 1976	M-N	90⅞	92	89½	Sale	90¼	90½	89½ July 1	89½ July 1	89 Apr 17	92⅝ Jan 20
----	3¼s conv debentures 1969	F-A	240	—	—	—	243	—	— ------	— ------	254 May 22	254 May 22
----	3¾s conv debentures 1971	M-S	190	—	—	—	197	—	— ------	— ------	204 Jun 28	214 Apr 18
15,000	Gen & ref M 2⅞s ser N 1984	M-S	81	82¼	79½	81	79½	81	79¾ July 18	80 July 11	79¾ July 18	81⅞ Jan 29
19,000	Gen & ref 3¼s ser O 1980	M-N	87⅝	—	86⅝	Sale	85	88	85¼ July 25	86⅝ July 1	85¼ July 25	89½ Feb 1
	Detroit & Mackinac Ry—											
10,000	1st lien 4s 1995	J-D	72⅛	—	72⅛	—	72⅛	—	72¼ July 9	72¼ July 9	72⅛ Jan 18	72¼ Apr 16
----	△Second gold 4s 1995	J-D	71	—	72⅛	—	72⅛	—	— ------	— ------	71 Mar 27	71 Mar 27
	Detroit Toledo & Ironton RR											
1,000	2¾s series B 1976	M-S	74	—	74	—	74	—	74¼ July 10	74¼ July 10	74¼ July 10	74¼ July 10
1,000	Diamond Gardner 4s debs 1983	A-O	95½	96¾	—	97½	—	97½	95 July 5	95 July 5	95 Jan 24	96½ Jan 4
	Douglas Aircraft Co Inc—											
149,000	4s conv subord debs 1977	F-A	74¼	77	77¼	Sale	77¼	Sale	76⅝ July 24	78 July 12	74 Jan 4	78 Jan 14
52,000	5s s f debentures 1978	A-O	94	Sale	94½	95¼	94	95½	94¼ July 19	95⅜ July 12	94 Jan 2	95¾ Feb 6
	Dow Chemical Co—											
549,000	3s conv subord debs 1982	J-J	126	Sale	130⅛	Sale	128¼	Sale	126 July 23	133 July 5	124 Jan 3	142⅝ May 1
	Dresser Industries Inc—											
105,000	4⅛s conv subord debs 1977	M-S	97	Sale	96	Sale	96¾	99½	96 July 1	98 July 30	96 May 22	99¾ Mar 21
36,000	Duquesne Lt 1st mtge 2¾s '77	F-A	85	85½	83¾	84½	83½	84½	82⅞ July 19	84¼ July 10	82⅞ July 19	86 Jan 10
----	1st mortgage 2⅝s 1979	A-O	—	92½	—	92½	—	92½	— ------	— ------	77⅛ Apr 9	77⅛ Apr 9
----	1st mortgage 2¾s 1980	F-A	—	—	77¾	—	77¾	—	— ------	— ------	— ------	— ------
----	1st mortgage 3¼s 1982	M-S	—	—	82¼	—	82¼	—	— ------	— ------	— ------	— ------
----	1st mortgage 3⅝s 1983	M-S	—	—	—	92¼	—	92¼	— ------	— ------	92¼ Apr 16	92¼ Apr 16
----	1st mortgage 3⅛s 1984	J-J	—	—	79⅜	84½	79⅜	—	— ------	— ------	— ------	— ------
----	1st mortgage 3½s 1986	A-O	87½	90⅞	88½	89½	86½	89	— ------	— ------	87½ May 8	89½ May 28
7,000	1st mortgage 3¾s 1988	A-O	93½	94	84⅛	93⅝	90	93⅝	88 July 18	91½ July 11	88 July 18	94 Feb 15
13,000	1st mortgage 4¼s 1989	M-S	99	—	100¼	Sale	—	100¼	100¼ July 1	100⅜ July 19	99½ Jan 23	100⅜ July 19
5,000	5s s f debentures 2010	M-S	—	—	106¾	—	—	—	106 July 12	106⅛ July 11	104 Jan 4	106½ Jan 11
	Eastern Stainless Steel Corp—											
53,000	5s conv subord debs 1973	M-N	100½	—	106	Sale	104¾	Sale	104 July 11	106½ July 1	101 Jan 3	106½ July 1
4,000	Ed El Ill N Y 1st cons 5s 1995	J-J	107½	—	107¾	—	108⅛	—	107¾ July 2	107¾ July 2	107½ Feb 4	108 Mar 1
----	Ekco Products 4.60s 1987	F-A	—	104	102½	—	102½	—	— ------	— ------	102 Jun 14	103 Mar 28
9,000	Elgin Jol & East 3¼s A 1970	M-S	90¼	—	91	—	90¾	—	90½ July 18	91 July 8	90½ Mar 13	92⅜ May 15
22,000	El Paso & SW 1st & ref 5s '65	A-O	101	Sale	102⅛	—	101	Sale	101 July 18	102⅛ July 10	101 Jan 2	102½ May 3
----	5s stamped 1965	A-O	101	—	101	102½	101	101½	— ------	— ------	101 Jan 4	101 Jan 4
	Erie Railroad Co—											
245,000	△Gen M inc 4½s A Jan 2015	Apr	13	Sale	19¼	Sale	17⅛	Sale	17⅛ July 23	19½ July 2	13 Jan 2	24½ Feb 14
99,000	1st cons mtge 3¼s ser E '64	A-O	80½	Sale	84½	Sale	81	84	84 July 3	84½ July 1	80½ Jan 2	88¼ Mar 28
53,000	1st cons mtge 3⅛s ser F '90	J-J	34	Sale	40	41½	38½	39¾	39 July 10	40⅛ July 8	34 Jan 2	41¾ Feb 19
50,000	1st cons M 3⅛s ser G 2000	J-J	33½	Sale	40¼	Sale	38½	39¾	39⅛ July 10	41 July 3	33½ Jan 2	41¼ Feb 14
197,000	△5s income deb Jan 1 2020	A-O	12¾	Sale	15	Sale	14	Sale	13¾ July 22	15⅝ July 5	12¼ Jan 2	19⅜ Feb 11
----	Ohio Div 1st M 3¾s 1971	A-O	71½	—	—	80	—	80	— ------	— ------	76 Feb 6	76 Feb 6
----	Family Finance Corp 5s 1981	M-S	—	104	102⅝	—	102⅝	—	— ------	— ------	102⅛ Jan 29	104⅛ Apr 15
	Fansteel Metallurgical Corp—											
89,000	4¾s conv subord debs 1976	A-O	106⅝	109⅞	106½	Sale	102	103½	101 July 17	106½ July 1	101 July 17	114 Feb 19
12,000	Federal Paper Board 5s 1981	M-N	—	103½	103½	—	103½	—	103¾ July 25	103¾ July 25	101 Jan 11	103¾ July 25
	Firestone Tire & Rubber—											
5,000	2⅝s debentures 1972	J-J	88⅛	—	98⅝	—	87⅝	90	88⅜ July 16	88⅜ July 16	88¼ Apr 23	89¼ Jan 24
37,000	3¼s debentures 1977	M-N	90	—	91	Sale	91½	Sale	91 July 1	91¾ July 23	90 Jan 7	92½ May 14
1,000	Flintkote Co 4½s conv 1980	A-O	102	—	104¾	—	104⅞	Sale	104⅞ July 31	104⅞ July 31	102 Jan 11	104⅞ July 31
	‡Florida East Coast—											
106,000	△1st mtge 5s series A 2011	J-J	72¾	Sale	72½	74½	72	73	71¾ July 29	73½ July 9	70⅛ Apr 3	79 Feb 15
262,000	2nd mortgage 5½s conv income series A 2011	J-J	32⅛	33½	38½	Sale	35⅛	Sale	34⅝ July 26	39¾ July 8	30⅝ Feb 12	40 Feb 18
	Food Fair Stores Inc—											
114,000	4s conv subord debs 1979	A-O	94	Sale	97¼	Sale	96	Sale	95¼ July 29	97¼ July 1	93¾ Jan 3	101 Feb 4
22,000	Foremost Dairies 4½s 1980	J-J	91½	94⅝	93¼	—	94½	—	93⅛ July 18	95 July 24	91½ Jan 3	95 Apr 10
	Fort Worth & Denver Ry Co—											
----	1st mortgage 4⅜s 1982	M-N	—	85	81	88	81	88	— ------	— ------	81½ Jun 24	81½ Jun 24
	Gardner-Denver Co—											
----	4¼s conv subord debs 1976	A-O	129	—	145	157	139	157	— ------	— ------	128 Feb 20	155⅝ Jun 4
	Gen Amer Oil Co of Texas—											
145,000	4¾s conv subord debs 1984	M-N	112	Sale	110	Sale	109	Sale	108½ July 23	110½ July 8	108 Mar 14	114 Jan 3
	Gen Amer Transportation—											
4,000	4s conv subord debs 1981	M-N	165	—	180	197	180	—	187 July 29	187 July 29	170 Feb 1	194 Jun 4
	General Cigar Co—											
31,000	5½s cum inc sub debs 1987	J-D	103½	104	103	103½	101	Sale	101 July 30	103½ July 16	101 Apr 15	105⅛ Jan 24
258,000	Gen Electric 3½s debs 1976	M-N	94¼	Sale	94½	Sale	94¼	Sale	93¾ July 18	94¾ July 1	93¾ July 18	96 Feb 1
38,000	General Foods Corp 3⅜s 1976	J-J	92½	—	105	—	91¼	94	91¼ July 29	92½ July 2	91 May 20	94¼ Apr 23
	General Motors Accept Corp—											
1,438,000	2¾s debentures 1964	J-J	98⅝	Sale	99	Sale	99	Sale	98 33/32 July 22	99¼ July 2	98½ Jan 2	99⅝ Jun 6
128,000	3s debentures 1969	J-J	93½	94¾	94½	Sale	93¾	94⅜	93½ July 26	94½ July 1	93¼ May 27	95½ Feb 5
465,000	3½s debentures 1972	M-S	94⅝	Sale	94⅛	Sale	94	Sale	93 July 17	94½ July 3	93 July 17	96 Jan 9
242,000	3⅝s debentures 1975	M-S	93⅝	Sale	93½	Sale	92¾	Sale	92¼ July 12	93¾ July 2	92¼ July 12	95¾ Jan 18
169,000	5s debentures 1977	F-A	105⅝	Sale	106¼	107	106	Sale	105½ July 22	107 July 11	105½ Jan 24	107 Jun 19
510,000	4s debentures 1979	M-S	97¾	Sale	97⅞	Sale	97	Sale	96¾ July 22	98½ July 1	96¾ Jun 6	98⅞ Jan 18
205,000	5s debentures 1980	M-S	106¼	Sale	105⅝	Sale	105½	106	105 July 17	106 July 8	104¾ Feb 28	107 Jun 19
94,000	5s debentures 1981	M-S	106½	107	106½	Sale	105½	—	105⅜ July 17	106½ July 1	105⅜ Feb 4	107¼ Jun 12
147,000	4⅝s debentures 1982	M-S	104	Sale	104	Sale	103¾	Sale	103⅛ July 16	104⅜ July 5	102¾ Apr 10	104⅝ Mar 7
170,000	4⅝s debentures 1983	M-S	104	Sale	104	Sale	103	Sale	102¾ July 22	104 July 1	102¾ Apr 11	104½ Jan 3

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
151,000	Gen Motors Corp 3¼s 1979	J-J	91½	Sale	93½	93⅞	91¾	Sale	91⅛ July 19	93⅛ July 5	91⅛ July 19	94½ May 20
-----	General Shoe 3.30s debs 1980	M-S	82½	--	82½	--	82½	--	-- ------	-- ------	-- ------	-- ------
	General Telephone Corp—											
241,000	4s conv debentures 1971	M-N	146	Sale	150	153¾	154	Sale	146¾ July 23	154 July 31	144 Jan 2	161½ May 14
374,000	4½s conv debentures 1977	J-D	148¾	Sale	155½	Sale	159	Sale	152 July 22	159⅜ July 17	148¼ Jan 2	168 May 15
	General Time Corp—											
125,000	4¾s conv subord debs 1979	F-A	89	Sale	93½	Sale	93¾	Sale	92⅛ July 3	94 July 12	87 Mar 18	96 Jun 24
-----	General Tire & Rub 4¾s 1981	A-O	101⅜	--	101⅜	--	101¾	--	-- ------	-- ------	101⅜ Apr 18	101⅜ Apr 18
3,000	Gimbel Brothers Inc 5s 1981	J-D	104¼	--	105	--	106	Sale	106 July 26	106 July 26	104¼ Jan 31	106 Apr 16
1,000	Glidden Co 4¾s debs 1983	M-N	103	Sale	--	104¼	101½	103½	103 July 24	103 July 24	103 Jan 2	103¾ Mar 5
38,000	Goodrich (B F) Co 2¾s 1965	M-N	97¾	98⅝	98⅝	--	97½	--	97½ July 10	98⅝ July 2	97½ Jan 24	98⅝ Jun 26
36,000	4⅝s s f debentures 1985	M-N	103½	--	104¾	105¼	103¼	105	103¼ July 16	105¼ July 8	103 Jun 7	105¼ Mar 15
	Grace (W R) & Co—											
348,000	3½s conv subord debs 1975	M-N	166	Sale	187	Sale	175½	Sale	174½ July 22	189½ July 2	153½ Mar 1	201½ Jun 4
	Grand Union Co—											
71,000	4⅛s conv subord debs 1978	J-J	96⅜	Sale	104½	Sale	103¼	104	103 July 24	104½ July 1	95 Jan 7	105 May 27
-----	Grant (W T) Co 4¾s 1987	J-J	--	104¾	--	104¾	104½	104¾	-- ------	-- ------	104⅛ Mar 19	104¾ Jan 3
	Great Northern Ry—											
30,000	Gen mtge 5s series C 1973	J-J	105	Sale	106¼	108	105⅛	108	104¾ July 30	107 July 16	104¾ July 30	107½ May 27
3,000	Gen mtge 4½s ser D 1976	J-J	100	103	103⅝	--	103⅝	--	103⅝ July 3	103⅝ July 3	99⅞ May 8	103⅝ July 3
29,000	Gen mtge 3⅛s ser N 1990	J-J	73¾	Sale	76¼	--	76¼	--	76¼ July 2	76⅜ July 29	73¾ Jan 2	77 Apr 3
5,000	Gen mtge 3⅛s ser O 2000	J-J	68	--	73	74	72	73½	73 July 3	73 July 3	68 Jan 3	73 July 3
1,000	Gen mtge 2¾s ser P 1982	J-J	71½	--	75	--	75	--	75 July 17	75 July 17	71½ Jan 22	77 May 31
4,000	Gen mtge 2⅝s ser Q 2010	J-J	55½	--	59½	61	59½	62	59½ July 12	59½ July 12	56⅛ Jan 4	60 Jun 11
	Great Western Financial—											
433,000	5s conv subord debs 1974	J-D	142½	Sale	152¼	Sale	156	Sale	150 July 1	162 July 9	134 Feb 28	182½ Apr 15
	Gulf Mobile & Ohio RR—											
60,000	Gen M inc 5s A July 2015	Apr	78¼	82½	88½	Sale	85¾	Sale	85¾ July 31	89 July 5	81 Jan 15	89 July 5
95,000	Gen M inc 4s B Jan 2044	Apr	65	65¾	72	73	72	73	72 July 2	73 July 1	65¾ Jan 2	74 May 29
2,000	1st & ref 3⅜s ser G 1980	M-N	86⅛	--	86⅛	--	86⅛	--	86⅛ July 12	86⅛ July 12	86⅛ Apr 29	86⅛ May 23
136,000	△5s inc debs ser A 2056	J-D	73	Sale	85⅝	Sale	85¼	Sale	84¼ July 15	86 July 5	73 Jan 2	87¾ May 31
8,000	Gulf States Util 2⅝s 1976	M-N	--	--	--	--	80	--	79⅛ July 15	80 July 30	79⅛ Apr 10	80 July 30
-----	1st mortgage 3s 1978	A-O	84¾	--	85¼	87¼	85¼	87¼	-- ------	-- ------	-- ------	-- ------
10,000	3s debentures 1969	J-J	92	--	92½	--	92½	--	93½ July 26	93½ July 26	92½ Jan 16	93½ July 26
-----	1st mortgage 2¾s 1979	J-D	79	--	76¾	--	80	82½	-- ------	-- ------	-- ------	-- ------
-----	1st mortgage 2¾s 1980	J-D	--	--	76	--	76	--	-- ------	-- ------	-- ------	-- ------
-----	1st mortgage 3⅜s 1981	M-N	83½	--	83	--	83	--	-- ------	-- ------	83 Jun 5	84 Apr 15
-----	1st mortgage 3⅛s 1982	J-D	84	--	80¾	--	80¾	--	-- ------	-- ------	-- ------	-- ------
-----	1st mortgage 3⅜s 1983	J-D	--	--	81¼	--	81¼	--	-- ------	-- ------	-- ------	-- ------
-----	Hackensack Water 2⅝s 1976	M-S	79¼	--	79½	--	79½	--	-- ------	-- ------	79¼ Jan 14	79½ Jun 13
	Haloid Xerox Corp—											
632,000	4½s conv subord debs 1981	M-N	167	Sale	198	Sale	250	Sale	196 July 1	251 July 30	152 Jan 24	251 July 30
	Hertz Corporation—											
-----	4s conv subord debs 1970	J-J	--	--	--	--	263	--	-- ------	-- ------	-- ------	-- ------
1,000	Hocking Valley 1st 4½s 1999	J-J	95¼	--	97½	100	97¾	Sale	97¾ July 31	97¾ July 31	95½ Jan 15	100 Apr 30
	Hooker Chemical Corp—											
130,000	5s conv subord debs 1984	M-S	115	120	117⅞	Sale	118½	Sale	117 July 11	118⅞ July 12	115 Mar 7	119 May 13
	Hotel Corp of America—											
10,000	6s conv coll tr debs 1972	J-J	87	94⅞	88	92	89	90	88 July 2	90 July 11	87 Jan 16	94 Jan 25
44,000	Household Finance 2¾s 1970	J-J	90⅞	--	92	Sale	91¼	Sale	91 July 18	92 July 1	90⅞ Jan 3	92 July 1
8,000	4⅛s debentures 1968	M-S	--	101	--	100	99	101	99 July 9	99 July 9	99 July 9	101 Mar 26
124,000	4s s f debentures 1978	J-D	96¾	97¼	96¾	97¾	96⅝	Sale	96⅝ July 31	97¾ July 5	96⅝ July 31	99 Jan 31
7,000	4⅝s s f debentures 1977	J-J	102½	Sale	101⅝	102⅜	101¼	102¼	101¼ July 18	102⅜ July 2	101¼ July 18	103¾ Mar 8
15,000	4⅝s s f debentures 1984	J-J	102¼	103½	101½	--	101	--	101¼ July 11	101½ July 11	101¼ July 11	104⅛ Mar 14
16,000	5s s f debentures 1982	J-J	104	--	104	105	105	--	104 July 9	105 July 26	104 Jan 14	105 Apr 4
5,000	4⅞s s f debentures 1981	J-J	--	105⅝	--	105¼	102¼	105¼	103 July 25	103 July 25	103 July 25	105¼ May 15
56,000	4⅜s debentures 1987	J-J	--	--	99½	100¼	99½	Sale	99½ July 3	100 July 2	99⅛ May 24	101⅝ Mar 12
	Hunt Foods & Industries—											
561,000	4⅜s conv subord debs 1986	J-J	101¾	Sale	103	Sale	101	Sale	100 July 31	103 July 1	97½ May 2	105¼ May 31
38,000	Illinois Bell Tel 2¾s ser A '81	J-J	--	82½	80½	81	81¼	--	80½ July 3	81¼ July 29	80½ Apr 22	82½ Mar 22
32,000	1st mtge 3s series B 1978	J-D	86	87	85⅜	86¼	86⅛	86½	86 July 5	86¼ July 8	85 Apr 19	87 Jan 8
	Illinois Central RR—											
1,000	Cons mortgage 3¾s A 1979	M-N	85⅛	--	85⅜	--	85⅜	--	85⅜ July 9	85⅜ July 9	85⅜ July 9	86 Mar 18
2,000	Cons mortgage 3¾s B 1979	M-N	85⅛	--	85⅛	--	85¼	--	85¼ July 9	85¼ July 9	85¼ July 9	85⅜ Feb 20
2,000	Cons mtge 3¾s ser C 1974	M-N	86½	Sale	88	--	88	--	88½ July 11	88½ July 11	86½ Jan 2	88½ July 11
-----	Cons mtge 3¾s ser F 1984	J-J	82	--	82	--	82	--	-- ------	-- ------	82 Jun 18	82 Jun 18
-----	1st mtge 3¼s series G 1980	F-A	79	--	82	84	82	84	-- ------	-- ------	79⅝ Feb 6	82 May 23
6,000	1st mtge 3⅜s series H 1989	M-S	74¾	--	78⅛	--	79⅛	--	78⅛ July 9	79⅛ July 25	74¾ Jan 8	79⅛ July 25
-----	3½s s f debentures 1980	J-J	79⅛	--	83	--	83	--	-- ------	-- ------	79⅛ Mar 14	83 Jun 24
	Indianapolis Union Ry Co—											
-----	2½s series C 1986	J-D	--	--	--	--	--	--	-- ------	-- ------	-- ------	-- ------
	Inland Steel Co—											
1,000	3¼s conv debentures 1972	M-S	175	--	--	--	180	205	196 July 11	196 July 11	192 Mar 7	196 July 11
5,000	1st mtge 3.20s series I 1982	M-S	87½	--	88½	--	88½	--	88½ July 2	88½ July 2	87½ Jan 24	88½ Mar 25
10,000	1st mtge 3½s series J 1981	J-J	91	--	91¾	--	91½	--	92½ July 26	92½ July 26	91½ Mar 15	92½ July 26
38,000	1st mtge 4⅜s series K 1987	J-J	102½	Sale	101½	Sale	100⅜	101¼	100¼ July 15	101⅝ July 1	100¼ July 15	103 Feb 1
26,000	1st mtge 4½s series L 1989	F-A	102½	104	103¼	--	102	103½	102⅝ July 3	103¼ July 2	102¼ Apr 25	104 Jan 14
	International Harvester Credit											
45,000	4⅝s debs series A 1979	M-N	103⅛	--	102½	104	102½	103⅛	102½ July 18	104¼ July 11	102½ May 16	104⅝ Mar 15
30,000	4¾s debs series B 1981	F-A	104⅛	Sale	103½	106	104¾	Sale	104¼ July 24	106 July 11	103½ Feb 1	106 July 11
283,000	4⅝s sub debs 1988	M-S	--	--	104⅛	Sale	103½	Sale	103 July 22	104⅛ July 1	102¾ Apr 25	104⅛ Jun 14
	Internatl Minerals & Chem—											
205,000	3.65s sub debs (conv) 1977	J-J	101½	Sale	106½	Sale	108¾	Sale	106 July 1	113 July 17	101 Jan 9	115 Jun 4
	International Silver Co—											
188,000	5s conv subord debs 1981	F-A	128	Sale	132⅞	Sale	128½	Sale	125 July 25	133½ July 17	125 July 25	148 Jan 25
	International Tel & Tel—											
76,000	4⅞s conv subord debs 1983	M-N	225	234	269	Sale	268	Sale	259 July 23	280 July 11	233 Mar 21	280 July 11
31,000	4.90s s f debentures 1987	A-O	104⅛	Sale	103	Sale	102¼	103⅞	101½ July 11	103 July 1	101½ July 11	104½ Apr 2
	Interstate Dept Stores—											
288,000	4⅝s conv subord debs 1981	F-A	120	124	140	Sale	140	Sale	137 July 2	144¾ July 18	118⅛ Mar 1	152¾ May 22
	Interstate Oil Pipe Line—											
18,000	3⅛s s f debs series A 1977	M-S	88	--	90	--	89¼	--	90 July 25	90½ July 17	88 Feb 15	90½ July 17
8,000	4¼s s f debentures 1987	J-J	100	101½	99½	100	100¼	Sale	100 July 31	100¼ July 31	99⅝ Jun 18	101½ Jan 16
1,000	Interstate Power Co 3¾s 1978	J-J	--	--	90⅜	--	90⅜	--	90⅜ July 17	90⅜ July 17	90⅜ Jun 7	92½ Mar 13
-----	1st mortgage 3s 1980	J-J	--	--	75	--	75	--	-- ------	-- ------	75 May 22	75 May 22
	I T E Circuit Breaker—											
68,000	4¼s conv subord debs 1982	A-O	95	Sale	94⅞	Sale	93¼	94½	93¼ July 17	96 July 8	93 Apr 24	96 Jan 28
3,000	Jersey Cent P & L 2⅞s 1976	M-S	85	--	84	86¼	84	--	84 July 10	84 July 10	84 Feb 4	85¼ Jun 24
1,000	Joy Manufacturing 3⅝s 1975	M-S	89	--	91¼	--	91¼	--	91¼ July 29	91¼ July 29	90 Jan 16	91¼ Feb 8
-----	Kanawha & Mich Ry 4s 1990	M-S	70¼	--	70	--	70	--	-- ------	-- ------	70 Jun 10	70 Jun 10
-----	Kansas City Pr & Lt 2¾s 1976	A-O	85	86¼	85½	--	85½	--	-- ------	-- ------	85½ May 28	86½ Mar 14
-----	1st mortgage 2⅞s 1978	J-D	79	--	84½	--	82½	--	-- ------	-- ------	85½ Mar 14	85½ Mar 14
-----	1st mortgage 2¾s 1980	J-D	80¾	--	80¾	--	80¾	--	-- ------	-- ------	-- ------	-- ------
	Kansas City Southern Ry—											
15,000	1st mtge 3¼s series C 1984	J-D	81	--	82½	--	82½	--	82½ July 5	82½ July 5	81 Jan 14	83⅛ Apr 22
-----	Kansas City Term Ry 2¾s '74	A-O	78	--	83½	--	83½	--	-- ------	-- ------	82⅜ May 17	83½ Jun 11
-----	Kentucky Central 1st 4s 1987	J-J	85⅛	91¼	83⅛	91¼	84¼	92	-- ------	-- ------	82 Apr 18	82⅝ Jun 28
69,000	Kimberly-Clark Corp 3¾s 1983	J-J	95⅝	100	95⅞	Sale	95	96	95 July 23	95⅞ July 1	95 July 23	96⅛ Feb 18
20,000	4⅝s s f debentures 1986	F-A	104	105½	103½	105	103½	105	103⅝ July 19	103⅝ July 19	103¼ May 22	104 Apr 25
10,000	Kings Co El Lt & Pwr 6s 1997	A-O	125½	--	125½	--	126	--	126 July 11	126 July 11	125½ Mar 4	126 July 11
29,000	Koppers Co 1st mtge 3s 1964	A-O	99	Sale	99	99¼	98⅞	Sale	98⅞ July 30	99¼ July 3	98⅞ Jan 14	99¼ July 3
	Lakefront Dock & RR Term Co											
-----	1st s f 3⅞s series A 1968	J-D	--	91⅛	--	--	--	--	-- ------	-- ------	91⅛ Apr 25	91⅛ Apr 25
49,000	Lake Sh & Mich So 3½s 1997	J-D	59½	Sale	69½	70½	66	Sale	64½ July 23	70 July 8	59½ Jan 2	70 July 8
	Lehigh Valley Coal—											
-----	1st & ref 5s stamped 1974	F-A	98	100⅜	100⅛	--	100	--	-- ------	-- ------	98 Jan 8	100½ Feb 5
	Lehigh Valley Harbor Term—											
49,000	1st mtge 5s extended 1984	F-A	63⅝	Sale	77	Sale	73½	75½	73 July 18	77 July 1	63⅝ Jan 2	77 Jun 27
	Lehigh Valley Ry Co (N Y)—											
37,000	1st mtge 4½s extended 1974	J-J	61¾	63	71	74	72	Sale	72 July 18	74 July 3	63 Jan 3	75 Jun 24

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	Lehigh Valley RR Co—											
	Gen consol mtge bonds											
20,000	Ser A 4s fixed int 2003	M-N	49	49⅞	55	57	55⅛	57¾	55⅛ July 29	57¾ July 16	50 Jan 4	57¾ July 16
7,000	Ser B 4½s fixed int 2003	M-N	51	54½	59¾	60¾	59¾	62½	59¾ July 10	61 July 15	54 Jan 9	62¼ Mar 26
13,000	Ser C 5s fixed int 2003	M-N	58⅜	Sale	65⅛	—	64½	—	64⅛ July 11	65⅛ July 3	58⅜ Jan 2	66¼ Mar 18
83,000	ΔSer D 4s cont int 2003	May	35	37½	36⅛	Sale	35¼	36	35⅛ July 26	36½ July 23	34¼ May 13	38¾ Jan 9
13,000	ΔSer E 4½s cont Int 2003	May	36½	39½	38¼	Sale	38¼	40	38¼ July 1	38½ July 2	37¼ Jun 6	40½ Jan 28
22,000	ΔSer F 5s cont int 2003	May	40⅛	44	41¼	42½	41⅛	Sale	41⅛ July 31	41⅜ July 8	40¼ May 2	44 Jan 28
50,000	Lehigh Valley Term Ry 5s '79	A-O	70	Sale	77⅛	—	75⅜	77½	74¾ July 29	77⅝ July 12	70 Jan 2	77⅝ July 12
9,000	Lexington & Eastern 5s 1965	A-O	101	—	99⅜	99⅝	100	102⅜	99¾ July 2	100 July 24	99¼ May 13	101 Mar 25
	Libby McNeil & Libby—											
94,000	5s conv s f debs 1976	J-D	113½	Sale	112	116	115¼	Sale	113 July 2	116 July 17	112¼ Feb 13	120⅜ May 23
	Ling-Temco-Vought Inc—											
280,000	5½s "conv" sub debs 1976	M-S	83¼	Sale	83½	Sale	86	Sale	81½ July 24	86½ July 30	80½ Apr 16	89¾ May 24
815,000	5½s subord debs 1976	M-S	—	—	77¼	Sale	80	Sale	77¼ July 1	80⅜ July 31	74⅛ May 2	80½ Jun 14
1,299,000	4¾s conv sub debs 1976	M-S	—	—	100¼	Sale	105½	Sale	98¾ July 19	107 July 31	98¾ July 19	107¾ May 24
	Lionel (The) Corp—											
123,000	5½s conv subord debs 1980	A-O	60½	Sale	66⅛	Sale	61½	62	60 July 23	66⅛ July 1	56⅞ Mar 1	69½ Jun 5
	Litton Industries Inc—											
701,000	3½s conv subord debs 1987	A-O	110⅜	Sale	116	Sale	112	Sale	110 July 23	117 July 11	104½ Mar 1	119¾ Jun 3
	Lockheed Aircraft Corp—											
91,000	3.75s conv subord debs 1980	M-N	226	Sale	232	Sale	195	205	199 July 23	233 July 5	199 July 23	238 May 9
12,000	4.50s debentures 1976	M-N	96⅝	97	97½	99	98	99	98 July 10	99 July 9	96⅞ Jan 22	99 May 29
----	Lone Star Gas 4⅝s 1982	A-O	—	103¼	103	—	103	—	-- ------	-- ------	102¾ Jun 11	103¾ Mar 15
----	4½s s f debentures 1987	A-O	--	--	—	—	100	102	-- ------	-- ------	100½ Jun 14	102 Mar 22
	Long Island Lighting Co—											
----	1st mtge 3⅝s ser D 1976	J-D	90	—	92	—	90⅝	—	-- ------	-- ------	90⅝ May 7	93½ Feb 7
26,000	Lorillard (P) Co 3s debs 1963	A-O	99 8/8	—	99⅝	99¾	99 32/32	100	99 1/32 July 2	99¾ July 17	99 5/8 Jan 7	99¾ Jan 11
3,000	3s debentures 1976	M-S	84⅞	88	87¼	—	87¼	—	87¼ July 8	87¼ July 8	86¾ Feb 6	88¼ Mar 12
2,000	3¾s debentures 1978	A-O	94	—	94	—	94	—	94 July 10	94 July 10	93½ Feb 11	94⅜ Apr 5
----	4⅞s s f debs 1986	J-D	104⅛	105½	102⅜	104	102¼	104	-- ------	-- ------	102 Jun 13	105½ Jan 21
	Louisville & Nashville RR—											
3,000	1st & ref M 3⅜s ser F 2003	A-O	71⅛	—	69½	—	69½	—	69½ July 26	69¾ July 18	69¼ Jun 10	72 May 16
21,000	1st & ref M 2⅞s ser G 2003	A-O	60½	70	65	70	64	70	64⅛ July 24	65 July 9	60½ Jan 7	65 May 9
1,000	1st & ref M 3¾s ser H 2003	A-O	75⅜	—	77½	—	77½	—	77½ July 24	77½ July 24	75⅜ Jan 7	77½ Mar 20
----	1st & ref M 3⅜s ser I 2003	A-O	71	—	71	—	71	—	-- ------	-- ------	71 May 2	71 May 2
74,000	Coll trust 4⅞s 1987	J-D	—	—	102	Sale	102	Sale	101½ July 11	102½ July 19	99⅜ Feb 7	103¼ Apr 18
----	St Louis Div 2d gold 3s 1980	M-S	77¾	—	71½	—	71½	—	-- ------	-- ------	70⅛ Apr 22	72 Jan 29
----	Louisville Gas & El 2¾s 1979	M-N	—	—	78¾	—	78¾	—	-- ------	-- ------	78½ Apr 19	78½ Apr 19
----	1st mortgage 3⅛s 1982	F-A	77¼	—	81¼	—	80¾	—	-- ------	-- ------	84⅛ Apr 8	84⅛ Apr 8
----	1st mortgage 3⅛s 1984	F-A	79	—	81	—	79½	—	-- ------	-- ------	79 Mar 12	79 Mar 12
----	1st mortgage 4⅞s 1987	M-S	—	—	103⅝	—	103⅝	—	-- ------	-- ------	103¼ May 9	103¼ May 9
----	1st mortgage 4⅞s 1990	A-O	105½	—	—	—	—	—	-- ------	-- ------	— ------	-- ------
	MacAndrews & Forbes Co—											
7,000	5s conv subord debs 1987	F-A	101	—	103¼	104	102½	—	103¼ July 5	104 July 2	102¼ Mar 11	105 Feb 15
37,000	Mack Trucks Inc 5⅛s 1981	A-O	97½	98	102½	103	102	101⅜	101 July 29	103½ July 10	97½ Jan 3	103½ July 10
----	Macy (R H) & Co 2⅞s 1972	M-N	88	—	91	—	91	—	-- ------	-- ------	88 Jan 15	91 Jan 29
5,000	5s conv subord debs 1977	F-A	173	189½	199	—	195	—	197¼ July 22	202 July 5	176 Jan 4	207½ Jun 4
----	Macy Credit Corp 4¾s 1981	M-N	103½	—	102½	104	102¼	104	-- ------	-- ------	102½ Jun 6	104 Apr 8
10,000	Maine Central RR 5⅛s 1978	F-A	83	Sale	87	—	86	87	86¼ July 30	87 July 8	83 Jan 2	87½ May 2
35,000	Marathon Oil 4⅜s 1987	A-O	99½	—	101¼	101⅞	100¼	Sale	100 July 19	101⅞ July 10	100 July 19	103⅛ Mar 22
108,000	Martin Co 5½s ex war 1968	M-N	102	102¾	103	Sale	103	Sale	102½ July 12	103½ July 2	102 Jan 4	104¾ May 15
----	May Dpt Stores 2⅝s debs '72	J-J	85	—	85	—	85	—	-- ------	-- ------	85 Jun 10	85 Jun 10
----	3¼s s f debentures 1978	F-A	88	—	88	—	88	—	-- ------	-- ------	88 Jun 19	88 Jun 19
----	3¼s s f debentures 1980	M-S	85¾	—	86¼	—	86¼	—	-- ------	-- ------	86¼ Jun 19	87 Apr 2
4,000	May Stores Realty 5s 1977	F-A	102	104¼	102⅝	104	102½	104	102⅝ July 25	102⅝ July 25	102 Apr 3	104 Jun 18
	McCall Corporation—											
8,000	4¾s conv subord debs 1992	F-A	104⅛	Sale	112½	114	107¾	111	107¾ July 29	111½ July 16	100 Feb 18	114 Jun 17
568,000	McCrory Stores 5½s debs 1976	F-A	83½	Sale	80⅞	Sale	81½	Sale	80⅜ July 5	82⅝ July 19	73 May 7	88½ Mar 7
	McDermott (J Ray) & Co—											
325,000	5s subord conv debs 1972	F-A	107	108½	107	108½	107	Sale	106½ July 15	108½ July 3	106⅛ Jan 7	113 Feb 14
----	McKesson & Robbins 3½s '73	M-S	91⅝	—	93	—	83	—	-- ------	-- ------	93 Jun 13	93 Jun 13
----	4⅝s debentures 1980	M-S	102	104	—	103⅜	101	103⅜	-- ------	-- ------	102½ Mar 5	103⅜ May 1
	Merritt-Chapman & Scott—											
189,000	4½s conv subord debs 1975	J-J	79¾	Sale	83⅜	Sale	83	Sale	81 July 25	84¼ July 16	78⅞ Jan 8	85¼ Apr 26
	Metropolitan Broadcasting—											
1,022,000	6s conv subord debs 1975	A-O	79½	80	165	168	180	Sale	165 July 8	185 July 31	116 Jan 7	185 July 31
10,000	Metropolitan Edison 2⅞s 1974	M-N	84	—	86¾	—	87	88	86⅞ July 9	88 July 26	86¾ Apr 24	88 Jan 9
----	1st mortgage 2¾s 1980	F-A	84	—	—	—	—	—	-- ------	-- ------	83½ Jan 9	83½ Jan 9
5,000	Michigan Bell Tel 3⅛s 1988	A-O	82	—	80½	82	79	82	82 July 3	82 July 3	80½ Apr 3	82 July 3
2,000	4⅜s debentures 1991	J-D	99¾	—	99⅝	101	99¼	101	99⅞ July 5	99⅞ July 5	99⅝ Jun 26	102½ Jan 23
	Michigan Central RR—											
9,000	Ref & imp 4½s ser C 1979	J-J	82	—	90	Sale	89⅛	90	89⅛ July 11	90 July 1	82 Jan 3	90 Jun 26
86,000	Michigan Cons Gas 3½s 1969	M-S	96⅛	96⅞	96¼	96¾	96¾	—	95⅞ July 2	97 July 23	95⅛ Apr 8	98¼ Feb 15
----	1st mortgage 2⅞s 1969	M-S	—	—	—	—	—	—	-- ------	-- ------	92¼ Jun 11	92¼ Jun 11
----	1st mortgage 3⅜s 1969	J-J	95½	—	—	—	—	97	-- ------	-- ------	-- ------	-- ------
2,000	3⅞s debentures 1967	M-S	97	98½	—	—	98	99¼	98 July 5	98 July 5	96 Apr 26	99 May 21
	Minneapolis Honeywell Reg—											
2,000	3¾s s f debentures 1976	F-A	96½	97½	96¼	97	94¾	Sale	94¾ July 31	94¾ July 31	94¾ July 31	97½ Jan 31
13,000	3.10 s f debentures 1972	A-O	92	—	92⅛	—	—	92½	91 July 18	92⅜ July 9	91 July 18	93 May 21
	Minneapolis & St Louis Ry—											
71,000	1st mortgage 6s 1985	M-N	95¾	Sale	97⅞	Sale	97¼	98	97⅜ July 24	98 July 1	93½ Jan 21	98¾ Jun 3
	Minn St P & S Ste Marie—											
10,000	1st M 4½s inc ser A Jan 1971	May	81	Sale	88½	89	87¼	89	87¾ July 18	88½ July 18	81 Jan 2	89⅛ Mar 20
108,000	ΔGen M 4s inc A Jan 1991	May	52	Sale	59	60½	58	Sale	57⅛ July 26	60½ July 8	52 Jan 2	60½ July 8
----	Minnesota Min & Mfg 2¾s '67	A-O	93¾	—	93¾	—	93¾	—	-- ------	-- ------	93¾ May 23	94⅝ Apr 4
	Missouri-Kansas-Tex Ry Co—											
59,000	1st mortgage 4s 1990	J-D	55¾	56½	64	65	62	63	62 July 26	65 July 3	57 Jan 3	65⅛ May 27
	Missouri-Kansas-Texas RR—											
----	Prior lien 4½s ser D 1978	J-J	66⅛	Sale	—	—	74⅜	—	-- ------	-- ------	66⅛ Jan 2	79 Mar 4
19,000	ΔCum adj 5s ser A Jan 1967	A-O	84¾	Sale	91⅛	93	91½	92¾	91⅛ July 2	92 July 24	84¾ Jan 2	92¼ Jun 4
135,000	Δ5½s subord inc debs 2033	April	21¾	Sale	23¼	Sale	22	Sale	21⅝ July 24	23¼ July 1	21¼ Jan 31	26¾ Feb 18
	Missouri Pacific RR—											
436,000	4¼s series B 1990	J-J	79	Sale	86½	Sale	85¼	Sale	84¼ July 24	86⅝ July 8	78⅞ Jan 3	87½ Jun 6
549,000	4¼s series C 2005	J-J	77½	Sale	84¼	Sale	82	Sale	80½ July 24	84½ July 5	77 Jan 16	85⅜ Jun 7
246,000	Δ4¾s series A 2020	April	68¼	Sale	76¼	Sale	75½	Sale	75 July 30	77 July 2	67¾ Jan 2	77½ Jun 11
269,000	Δ4¾s series B 2030	April	66	Sale	75¼	Sale	74½	Sale	74½ July 31	76 July 15	65¾ Jan 2	76 July 15
1,388,000	Δ5s income debs 2045	April	63⅛	Sale	70¼	Sale	69⅝	Sale	69½ July 30	71¼ July 11	62¾ Jan 2	71⅞ Jun 6
11,000	Mohawk & Malone 1st 4s 1991	M-S	56⅛	65¼	65½	70	65½	70	65½ July 15	65½ July 15	59 Feb 21	66½ May 29
	Monongahela Railway Co—											
2,000	Δ1st mtge 3¼s ser B 1966	F-A	93	—	95¼	—	95⅝	—	95⅝ July 29	95⅝ July 29	95 Apr 17	95⅝ July 29
371,000	Monon RR 6s Jan 1 2007	April	22½	26¾	45	Sale	51	Sale	44¼ July 5	51¼ July 26	25⅛ Jan 4	51¼ July 26
	Montgomery Ward Credit Corp											
28,000	4⅞s debentures 1980	J-J	—	105¼	104¼	104⅞	104⅜	104⅞	104¼ July 2	105 July 12	103½ Jan 29	105 July 12
72,000	4¾s debentures 1981	F-A	103¼	104⅛	103½	105¼	—	—	104 July 29	105 July 12	103⅛ Apr 3	105 July 12
26,000	5¼s subord debs 1981	F-A	104¾	106	105⅛	106½	105⅛	—	105⅛ July 30	105½ July 19	104⅞ Apr 8	106½ Jun 14
302,000	Morris & Essex 1st 3½s 2000	J-D	35½	Sale	41	Sale	41¼	Sale	40½ July 1	42⅜ July 5	35½ Jan 2	43⅞ Feb 14
	Mountain States Tel & Tel—											
10,000	2⅝s debentures 1986	M-N	76¼	77¼	—	—	75½	76¼	75½ July 30	76¼ July 29	74½ Apr 18	77¼ Jan 16
----	3⅛s debentures 1978	A-O	85	—	85⅜	—	85⅜	—	-- ------	-- ------	85 Jan 18	85 Jan 18
	NAFI Corporation—											
203,000	5¼s conv subord debs 1980	M-S	78	Sale	83⅝	Sale	82	83¾	81½ July 22	84¾ July 3	77½ Jan 17	88 Apr 8
	Nashville Chattanooga & St											
----	Louis 1st mtge 3s ser B 1986	F-A	69⅛	77	71	77	71	77	-- ------	-- ------	70 Mar 8	71¼ May 16
	National Airlines—											
1,612,000	6s conv subord debs 1976	M-N	162	Sale	188	Sale	220½	Sale	184 July 1	226 July 31	149⅝ Jan 16	226 July 31
	National Biscuit Co—											
50,000	4¾s subord debs 1987	A-O	105¾	106½	105⅝	Sale	104¾	Sale	104½ July 29	106½ July 8	104½ July 29	108⅜ Mar 14
3,000	Natl Cash Register 4¾s 1985	J-D	103½	105	103½	105	103	105	103½ July 30	103½ July 30	103½ Jan 25	104¾ Jan 8
106,000	4⅜s s f debentures 1987	A-O	102½	103	100¾	101½	100	101⅛	100 July 19	101⅝ July 12	100 July 19	103 Jan 7
	National Cylinder Gas Co—											
97,000	5⅛s conv subord debs 1977	M-S	104½	Sale	106¾	Sale	106	Sale	105¾ July 30	108¼ July 12	104 Jan 4	108¼ Feb 4
46,000	Nat Dairy Prod 2¾s debs 1970	J-D	92	92⅞	91½	—	91½	—	91½ July 8	91¾ July 30	91 Feb 28	92½ Jan 31
72,000	3s debentures 1970	J-D	93⅜	Sale	95	Sale	93	94¾	93⅝ July 23	95½ July 3	93⅜ Jan 2	95½ Feb 20
30,000	3⅛s debentures 1976	J-D	91⅛	91½	92	92¾	91⅛	92½	91⅛ July 29	92¾ July 3	91⅛ Jan 4	92¾ July 3
33,000	4⅜s s f debentures 1992	M-S	102½	—	101½	—	100¾	102	102 July 9	102 July 9	101½ Apr 23	103⅞ Mar 11

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
57,000	National Dist & Chem 4¾s '83	M-N	101¾	Sale	103	Sale	104½	--	102⅛ July 16	103 July 1	101⅝ Jan 9	103¼ Jan 30
5,000	Natl Distillers Prod 3⅜s 1974	A-O	89	--	89½	92	90	92	90 July 2	90 July 2	89¼ Feb 8	90 July 2
	National Lead Co —											
183,000	4⅜s subord debs 1988	A-O	--	--	100⅞	Sale	100¾	Sale	100 July 23	101 July 2	100 Jun 6	101 Jun 17
24,000	National Steel Corp 3⅛s 1982	M-N	86¼	--	87⅜	88	86	88	86 July 19	87⅜ July 5	86 July 19	87⅜ Jun 26
7,000	1st mortgage 3⅞s 1986	M-N	96	--	93½	96	94⅛	95	94 July 25	94¾ July 15	94 July 25	96¾ Feb 25
3,000	1st mortgage 4⅝s 1989	J-D	103¾	--	103	--	103	--	103 July 16	103 July 16	102⅞ Feb 15	104¼ Jan 7
	National Tea Co—											
56,000	3½s subord conv debs 1980	M-N	98½	Sale	97	102	98⅝	Sale	98 July 23	101¼ July 3	98 July 23	107 May 23
2,000	5s s f debentures 1977	F-A	102½	--	102	--	102	--	102 July 26	102 July 26	101 Jun 28	103½ Mar 18
	New England Tel & Tel—											
2,000	3s debentures 1982	A-O	83¼	--	82	--	--	--	82 July 5	82 July 5	82 Apr 10	85¼ Jan 11
8,000	3s debentures 1974	M-S	87⅞	90	86¾	87½	86½	--	86⅜ July 17	86½ July 8	86⅜ July 17	89 Mar 15
2,000	New Jersey Bell Tel 3⅛s 1988	J-J	80¾	82	81½	82½	81½	--	81½ July 25	81½ July 25	81½ Jun 26	83¾ May 22
----	N J Junction gtd 1st 4s 1986	F-A	68	--	70¼	85	70	85	-- ------	-- ------	69 Apr 25	69⅛ May 22
1,000	New Jersey Pwr & Lt 3s 1974	M-S	87	--	85¼	--	87¾	89¼	86¼ July 26	86¼ July 26	84¾ Mar 8	88 Mar 13
----	New Orl Terminal 3¾s 1977	M-N	90	--	90	--	90	--	-- ------	-- ------	-- ------	-- ------
	New York Central RR—											
644,000	Cons 4s series A 1998	F-A	55½	Sale	63¼	Sale	61¾	Sale	60⅝ July 29	64⅛ July 5	55½ Jan 2	65 May 29
558,000	Ref & impt 4½s ser A 2013	A-O	59½	Sale	69⅜	Sale	67½	Sale	66¼ July 30	69⅜ July 1	59½ Jan 2	71 May 29
414,000	Ref & impt 5s ser C 2013	A-O	65½	Sale	76⅞	Sale	75¾	Sale	75 July 29	77¼ July 3	65½ Jan 2	77¾ May 31
151,000	Collateral Trust 6s 1980	A-O	88	Sale	97⅝	Sale	96¼	Sale	96 July 16	98 July 1	88 Jan 2	98 Jun 10
	N Y Cent & Hudson River—											
74,000	Gen mortgage 3½s 1997	J-J	61¼	Sale	70⅛	Sale	65¼	67½	65⅛ July 30	70⅛ July 1	60⅝ Jan 29	70½ Jun 26
60,000	Lake Shore coll g 3½s 1998	F-A	53	Sale	59⅞	Sale	56⅝	59⅞	57 July 23	59⅞ July 1	52½ Feb 5	59⅞ July 1
61,000	Mich Cent coll g 3½s 1998	F-A	52¼	56	62¼	Sale	60	63⅜	62 July 3	63½ July 18	52¾ Apr 1	63½ July 18
	New York Chic & St Louis—											
7,000	Ref mtge 3¼s ser E 1980	J-O	86½	--	86¾	--	86¾	--	86¾ July 11	86¾ July 11	86½ Jan 18	87 Jan 8
----	Ref mtge 3s ser F 1986	A-O	80¼	--	81¼	--	81¼	--	-- ------	-- ------	80½ Jan 21	82 Apr 30
----	4½s inc debentures 1989	J-D	84⅝	88	88	95	88	--	-- ------	-- ------	88 Mar 19	90 Apr 19
20,000	N Y Connect'g RR 2⅞s B '75	A-O	59¾	Sale	70	Sale	69⅞	71	69¾ July 19	70 July 1	59¾ Jan 2	70 May 15
----	N Y & Harlem gold 3½s 2000	M-N	84	--	88	--	88	--	-- ------	-- ------	89 May 8	89 May 8
11,000	Mtge 4s series A 2043	J-J	68⅛	70¾	68	--	72	75⅛	75⅛ July 24	76 July 19	70¾ Jan 7	76 July 19
11,000	Mtge 4s series B 2043	J-J	69½	--	72	78	73½	76	76 July 16	76 July 16	70 Jan 3	76 July 16
38,000	N Y Lack & West 4s ser A 1973	M-N	43	45	49⅞	50½	46¼	48½	47 July 24	49½ July 15	43⅛ Jan 7	55⅛ Feb 18
248,000	Gtd 4½s series B 1973	M-N	46	47½	53⅛	Sale	53	Sale	50⅜ July 24	53⅛ July 1	46⅛ Jan 14	58 Feb 15
	N Y New Haven & Hartf'd RR											
929,000	‡△1st & ref M 4s ser A 2007	J-J	16⅝	Sale	19⅛	Sale	19	Sale	18 July 19	19⅝ July 1	16⅝ Jan 2	20⅞ Feb 14
372,000	‡△Gen mtge inc 4½s A 2022	May	6½	Sale	6¾	Sale	6⅞	Sale	6½ July 9	7 July 1	6⅜ May 9	8½ Feb 13
	Harlem Riv & Port Chester											
1,000	‡△1st mtge 4¼s ser A 1973	J-J	--	65½	50½	52½	51	55	55½ July 26	55½ July 26	50 May 15	55½ July 26
10,000	N Y Power & Lt 2¾s 1975	M-S	86	Sale	85¾	--	86½	--	86 July 19	86½ July 30	85½ May 14	87¼ Jan 14
1,000	N Y & Putnam 1st gtd 4s 1993	A-O	55½	Sale	64	--	64	--	64¼ July 24	64¼ July 24	55½ Jan 2	64¾ Jun 27
----	N Y State El & Gas 2¾s 1977	J-J	--	84	79¼	--	79¼	--	-- ------	-- ------	79¼ Jun 6	82 Feb 1
	‡N Y Susquehanna & West'n											
----	Term 1st mtge 4s 1994	J-J	63⅞	--	65⅜	--	67¼	--	-- ------	-- ------	64½ Jan 23	65⅜ Feb 25
8,000	1st & cons M 4s ser A 2004	J-J	57	59¾	63	66	65	--	63 July 5	65 July 29	59¾ Jan 11	65 Jan 31
35,000	△Gen mtge 4½s ser A 2019	May	29½	35	30	30¼	28½	30	28½ July 17	30 July 5	25½ Apr 26	35½ Feb 13
18,000	N Y Telephone 2¾s ser D 1982	J-J	79⅞	80¾	80⅛	Sale	80¼	Sale	80 July 15	80¼ July 31	79¾ Apr 29	81¾ Feb 21
47,000	3⅛s series E 1978	F-A	86⅜	88	--	--	86½	88	85¾ July 26	86½ July 29	85¾ July 26	87½ Jan 29
10,000	3s series F 1981	J-J	84¼	Sale	83⅝	84¼	83	83¾	83 July 18	83 July 18	83 July 18	84¾ Jan 3
4,000	3s series H 1989	A-O	80	81½	79	80¾	79	80¾	79 July 23	79 July 23	78½ Jun 13	83½ Jun 4
3,000	3⅜s series I 1996	A-O	--	86	83	84⅝	81	84¼	83⅛ July 11	83⅛ July 11	81 Apr 30	84¼ Mar 25
71,000	4½s series J 1991	M-N	101⅞	Sale	101¾	103½	102½	103¼	101⅝ July 23	103¾ July 9	101⅝ July 23	104⅝ Feb 27
39,000	4⅛s series K 1993	J-J	98⅛	Sale	97⅝	98¾	96¼	97¼	96¼ July 30	98¾ July 2	96¼ July 30	99¼ Feb 13
	Niagara Mohawk Power Corp											
9,000	General mtge 2¾s 1980	J-J	77⅝	80	77½	81	79	80⅞	77½ July 9	81 July 30	77½ Jan 15	81⅝ Mar 28
14,000	General mtge 2⅞s 1980	A-O	83	Sale	82⅛	82½	--		81¼ July 9	82 July 17	81¼ July 9	84¼ Feb 14
8,000	General mtge 3¼s 1983	A-O	85	87	85¼	86⅛	85½	86¾	85½ July 25	86 July 2	85½ July 25	87¼ Mar 26
----	General mtge 3½s 1983	F-A	89¼	91¼	88½	91¼	85	--	-- ------	-- ------	91 Jan 9	91 Jan 9
34,000	General mtge 4⅞s 1987	M-S	104½	Sale	106⅛	Sale	104½	--	105 July 18	106⅛ July 1	104 Jan 7	106⅝ Mar 7
	Nopco Chemical Co—											
173,000	4¾s conv sub debs 1987	J-J	112½	115	113¼	114½	112	Sale	110 July 22	114 July 3	110 July 22	120 Jan 7
9,000	Norfolk & Western 1st 4s 1996	A-O	94½	97	94⅜	--	94⅛	95¾	94⅛ July 30	96 July 3	94⅛ Jan 7	97 Feb 20
	Northern Central Ry—											
----	Gen & ref 5s ser A 1974	M-S	88⅝	--	96	--	96½	--	-- ------	-- ------	91 Apr 15	96¼ Jun 17
----	Gen & ref 4½s ser A 1974	M-S	83¾	--	91⅛	--	91⅛	--	-- ------	-- ------	87 Jan 14	91⅛ Jun 13
	Northern Natural Gas Co—											
6,000	3⅝s s f debentures 1973	M-N	93	96	95	97	95	97	95 July 5	95 July 5	93 Jan 17	96 Mar 8
26,000	3¼s s f debentures 1973	M-N	93¼	94¼	92½	--	92½	--	92½ July 2	92⅝ July 19	92½ Jun 27	94 Jan 4
----	3¼s debentures 1974	M-N	93	--	95⅛	--	95⅛	--	-- ------	-- ------	94½ Mar 18	96¼ Apr 9
9,000	4½s s f debentures 1976	M-N	100⅝	101⅜	100	101¼	100	101	99⅝ July 23	101½ July 12	99¼ May 3	102 Feb 12
7,000	4⅝s s f debentures 1977	M-N	101	--	102½	104	100⅞	103¾	102½ July 10	102½ July 10	102 Jun 6	104½ Mar 4
26,000	4⅝s s f debentures 1978	M-N	102⅝	--	101½	102½	100¾	102½	100½ July 22	102½ July 9	100½ July 22	103½ Jan 18
----	4⅞s s f debentures 1980	M-N	--	--	--	104½	102½	104	-- ------	-- ------	103 Jan 7	105 Feb 4
----	5⅛s s f debentures 1979	M-N	--	104⅞	104⅝	--	104⅝	--	-- ------	-- ------	103 Jan 8	104¾ May 2
20,000	4⅞s s f debentures 1981	M-N	102¼	106¼	--	--	103½	--	103½ July 15	103½ July 15	103½ July 15	105½ Mar 13
----	4⅝s s f debentures 1981	M-N	103⅛	--	--	--	--	102½	-- ------	-- ------	102½ May 28	103⅛ Jun 7
52,000	North'n Pac Ry prior lien 4s '97	Q-Jan	87⅜	Sale	91	--	90½	Sale	90½ July 3	91¼ July 11	87¼ Jan 3	91¼ July 11
111,000	General lien 3s Jan 2047	Q-Feb	59⅛	Sale	62¼	Sale	61¼	Sale	60 July 23	62¼ July 1	59⅛ Jan 2	62½ Mar 26
80,000	Ref & impt 4½s ser A 2047	J-J	93⅝	Sale	94½	Sale	95⅞	Sale	94½ July 1	95⅞ July 31	93 Jan 2	98 Feb 18
28,000	Collateral trust 4s 1984	A-O	93⅝	94½	94⅜	--	95	96	94¼ July 29	95½ July 18	94 Jan 9	96 Feb 7
	Northern States Power Co—											
10,000	(Minn) 1st mtge 2¾s 1974	F-A	84	--	85	--	84¼	86¼	85¼ July 10	85¼ July 10	83 Jan 8	86 Jun 19
42,000	1st mortgage 2¾s 1975	A-O	86	Sale	85¼	86	85⅜	Sale	84½ July 9	85½ July 31	84½ July 9	86½ Jan 9
4,000	1st mortgage 3s 1978	J-J	--	--	84	--	83¼	--	84 July 16	84 July 16	84 July 16	85¾ Mar 18
----	1st mortgage 2¾s 1979	F-A	77	83	--	--	--	--	-- ------	-- ------	80 Jan 7	80 Jan 7
39,000	1st mortgage 3¼s 1982	J-D	87	--	86⅝	87½	85	85¾	85 July 23	86½ July 9	85 July 23	86⅞ Feb 7
----	1st mortgage 3⅛s 1984	A-O	82	--	83	84¾	--	--	-- ------	-- ------	83 Jun 9	85 Jan 9
9,000	1st mortgage 4¼s 1986	M-S	97½	101⅝	98½	--	97½	--	97 July 12	98½ July 12	97 July 12	100 Jan 17
13,000	1st mortgage 4s 1988	J-J	96	Sale	94½	95½	94	95¾	94⅛ July 12	94¼ July 12	94 Apr 15	97½ Jan 7
13,000	1st mortgage 5s 1990	J-D	104	Sale	104½	Sale	104	Sale	104 July 1	104½ July 1	103⅝ Jun 21	105 Jun 27
----	1st mortgage 4⅞s 1991	F-A	--	--	103½	--	103½	--	-- ------	-- ------	103½ Feb 18	104 Jan 7
----	1st mortgage 4⅜s 1992	J-D	--	--	--	100½	--	100½	-- ------	-- ------	-- ------	-- ------
----	(Wisc) 1st mtge 2⅝s 1977	A-O	82¼	--	82¾	--	82¾	--	-- ------	-- ------	82¾ Apr 22	83¾ Feb 26
----	1st mortgage 3s 1979	M-S	80	--	83	--	82½	--	-- ------	-- ------	-- ------	-- ------
3,000	1st mortgage 4⅝s 1987	J-D	102	104	101½	--	101½	--	101½ July 8	102⅛ July 23	101½ July 8	104 Mar 6
	Northrop Corp—											
414,000	5s conv subord debs 1979	J-J	125½	Sale	125	Sale	120	Sale	119¾ July 26	128 July 5	119¾ July 26	134¼ Jan 14
----	Northwest'n Bell Tel 2¾s '84	J-D	77	--	75¼	--	75¼	--	-- ------	-- ------	75 Apr 8	77 Jan 21
----	3¼s debentures 1996	F-A	80¼	--	80⅜	83	79	--	-- ------	-- ------	80⅜ Jun 14	80⅜ Jun 14
26,000	Ohio Edison Co 1st 3s 1974	M-S	87½	89½	87¾	--	88⅝	--	87¾ July 3	88¼ July 15	87 Jun 28	91 Feb 12
7,000	1st mortgage 2¾s 1975	A-O	84½	Sale	85¼	85½	85½	85⅞	84¾ July 11	85⅞ July 30	84½ Jan 2	86½ Jan 14
----	1st mortgage 2⅞s 1980	M-N	84	--	79⅜	--	79⅜	--	-- ------	-- ------	-- ------	-- ------
9,000	Oklahoma Gas & El 2¾s 1975	F-A	84	86½	85½	86⅞	85½	86⅞	85 July 9	85½ July 5	84½ Jan 8	86½ Jan 14
----	1st mortgage 3s 1979	J-D	--	--	81½	--	81½	--	-- ------	-- ------	-- ------	-- ------
----	1st mortgage 2⅞s 1980	M-N	--	--	80½	--	82	83¾	-- ------	-- ------	-- ------	-- ------
----	1st mortgage 3⅜s 1982	M-S	85½	--	83¾	--	83¾	--	-- ------	-- ------	85 Jun 27	85 Jun 27
----	1st mortgage 3¼s 1985	J-D	--	--	80½	--	80½	--	-- ------	-- ------	-- ------	-- ------
----	1st mortgage 3⅞s 1988	J-D	--	95	88	--	88	--	-- ------	-- ------	95 Jan 3	95 Jan 3
4,000	1st mortgage 4½s 1987	J-J	103⅛	--	99¾	102	100⅛	102	100 July 24	100 July 24	100 July 24	102½ Jun 24
2,000	1st mortgage 4¼s 1993	M-S	--	--	98¾	99¾	99¾	--	99¾ July 24	99¾ July 24	99½ Apr 26	99¾ Jun 13
	Olin Mathieson Chemical Corp											
343,000	5½s conv sbord debs 1982	M-N	113⅜	Sale	119¼	Sale	117¼	Sale	116½ July 24	120⅜ July 5	113⅛ Jan 2	120⅜ July 5
194,000	5½s conv subord debs 1983	M-S	113¼	Sale	119	Sale	118	Sale	117 July 24	119¾ July 5	113 Jan 2	119¾ Jun 17
4,000	Owens-Illinois Glass 3¾s 1988	J-D	92½	95	91½	93½	91½	93¼	92 July 30	93¼ July 12	92 July 30	95 Feb 20
	Oxford Paper Co—											
108,000	4¾s conv subord debs 1978	A-O	112	Sale	109⅝	111¾	108¾	112	108¾ July 30	109¾ July 5	108½ Jun 6	116½ Mar 15

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	Pacific Gas & Electric Co—											
	1st & refunding mortgage											
1,000	3½s series I 1966	J-D	97¾	98½	98⅜	—	98⅜	—	98⅜ July 29	98⅜ July 29	97 Feb 25	98½ Feb 8
36,000	3s series J 1970	J-D	92⅞	—	92½	Sale	91¾	—	91¼ July 11	92½ July 1	91 Jun 4	94⅛ Jan 11
50,000	3s series K 1971	J-D	92⅝	Sale	91⅞	Sale	91	Sale	90⅝ July 22	92⅝ July 3	90⅝ July 22	94½ Feb 7
110,000	3s series L 1974	J-D	90	Sale	88⅜	90	89	Sale	88¼ July 25	89¼ July 9	88¼ Jun 16	91 Jan 16
54,000	3s series M 1979	J-D	85½	86	84⅛	84½	84½	85¼	84⅛ July 2	84¾ July 25	84⅛ Jun 27	86½ Mar 27
32,000	3s series N 1977	J-D	87	87¼	85¾	86	86⅜	—	85¾ July 3	86⅜ July 16	85 Apr 16	87½ Mar 14
2,000	2¾s series P 1981	J-D	81	Sale	80	81½	79½	81½	80 July 8	80 July 8	80 Jun 13	82 Jan 21
12,000	2⅞s series Q 1980	J-D	84	Sale	82¼	—	81	Sale	80½ July 26	82¼ July 17	80½ July 26	84¾ Jan 23
----	3⅛s series R 1982	J-D	84¾	87	85⅛	—	—	—	— ------	— ------	84¾ May 15	84¾ May 15
----	3s series S 1983	J-D	83	Sale	82½	83½	—	83½	— ------	— ------	82¾ Apr 19	83⅞ Feb 1
----	2⅞s series T 1976	J-D	85⅝	87¼	85⅛	86½	84¾	85⅜	— ------	— ------	85¼ Jun 13	86⅛ Mar 21
10,000	3⅜s series U 1985	J-D	87⅛	Sale	87⅛	Sale	85½	87⅛	87⅛ July 1	87¼ July 1	86¼ Apr 10	88 Jan 23
22,000	3⅛s series W 1984	J-D	85	—	—	83½	82¾	84¼	82¾ July 11	83½ July 2	82 Mar 29	85½ Jan 21
27,000	3⅛s series X 1984	J-D	85	—	83	84¼	83⅜	—	83 July 5	83⅝ July 8	83 July 5	86 Jan 21
14,000	3⅜s series Y 1987	J-D	86½	87¾	86¾	88	85⅝	86⅜	85½ July 12	85⅝ July 24	85½ July 12	88 Jan 24
----	3⅜s series Z 1988	J-D	84½	—	84¾	86½	84¼	86½	— ------	— ------	84¾ Jun 13	85⅛ May 13
43,000	4½s series AA 1986	J-D	102	—	102⅝	Sale	101¾	Sale	101⅛ July 25	102⅞ July 5	100⅛ Apr 15	104 Jan 30
70,000	5s series BB 1989	J-D	105½	Sale	105½	Sale	105	105½	105 July 11	106⅛ July 3	104⅝ Apr 11	106¾ May 21
58,000	3¾s series CC 1978	J-D	95¾	Sale	94⅝	Sale	93⅝	Sale	93¼ July 9	94⅝ July 1	93¼ July 9	97 Mar 12
37,000	4½s series DD 1990	J-D	103	103¾	102¾	103¾	100¾	Sale	100¾ July 31	102¾ July 12	100¾ July 31	104 Apr 3
131,000	5s series EE 1991	J-D	102	106	106¼	Sale	105⅛	106	105 July 19	106¼ July 1	104 Mar 6	106½ Feb 14
7,000	5⅝s series FF 1992	J-D	103	Sale	103½	105¼	103⅞	Sale	103½ July 2	104 July 22	102½ May 6	104½ Mar 25
5,000	4½s series GG 1993	J-D	102¼	Sale	102¾	—	102⅞	—	102¾ July 5	102¾ July 5	101½ May 31	104½ Mar 11
56,000	4⅞s series HH 1994	J-D	102⅝	103⅜	100¼	101½	102	Sale	100 July 17	102 July 31	100 Jun 5	103⅜ Jan 7
86,000	4¼s series II 1995	J-D	—	—	100	Sale	99	99⅞	99 July 24	100½ July 5	99 July 24	100⅝ Jan 16
31,000	Pacific Tel & Tel 2¾s debs '85	J-D	—	79⅝	—	79	78	Sale	76½ July 16	78 July 31	76½ July 16	80 Jan 9
15,000	2⅞s debentures 1986	A-O	79½	—	80	81	—	78⅝	78⅝ July 23	80 July 11	77½ May 9	80¾ Jan 16
12,000	3⅛s debentures 1987	A-O	—	83⅝	80½	82¾	—	82⅞	81½ July 15	81¾ July 8	80½ Jun 18	84¼ Mar 13
3,000	3¼s debentures 1978	M-S	89	Sale	88⅛	—	88⅜	89½	88⅛ July 9	88⅛ July 9	87¾ Apr 23	90 Jan 15
5,000	3⅛s debentures 1983	M-S	85	87	80	86⅛	82½	85	83 July 30	83½ July 2	83 July 30	87 Mar 26
10,000	3½s debentures 1981	M-N	90	—	88	89¾	86	—	88½ July 11	88½ July 11	88½ July 11	90¾ Mar 21
12,000	3⅝s debentures 1991	F-A	91¼	—	88¾	89¼	88⅜	89	88⅜ July 9	89 July 19	88⅜ July 9	91¾ Jan 28
76,000	4⅜s debentures 1988	F-A	101¼	Sale	100⅞	Sale	100⅛	Sale	100⅛ July 18	101¾ July 5	100 May 29	103 Feb 18
----	Pacific Western Oil 3½s 1964	J-D	85	—	—	—	—	99½	— ------	— ------	— ------	— ------
	Pan Amer World Airways—											
3,846,000	4⅞s conv subord debs 1979	F-A	104¾	Sale	129½	Sale	133	Sale	126 July 1	138½ July 12	104¾ Jan 2	139⅞ Jun 4
67,000	Pennsyl Pwr & Light 3s 1975	A-O	88¼	Sale	87¾	Sale	87⅛	87⅝	85½ July 10	87¾ July 1	85½ July 10	89¼ Jan 16
	Pennsylvania RR—											
275,000	General 4½s ser A 1965	J-D	100½	Sale	100¾	Sale	100⅝	Sale	100⅝ July 2	101¼ July 29	100 Jan 3	101½ Jan 24
207,000	General 5s ser B 1968	J-D	101¼	Sale	102⅝	Sale	102¼	Sale	102 July 17	103 July 2	101 Jan 3	103½ May 27
208,000	General 4¼s ser D 1981	A-O	75	Sale	82⅛	Sale	81	81¾	80¼ July 24	83 July 5	74½ Jan 2	83 Jun 6
130,000	Gen mtge 4¼s ser E 1984	J-J	74	Sale	81⅛	Sale	81½	82	81⅜ July 25	82¼ July 11	74 Jan 2	82½ Jun 14
40,000	Gen mtge 3⅛s ser F 1985	J-J	58¾	59¾	65	65½	64⅛	—	64 July 29	65½ July 2	59 Jan 29	65½ Jun 3
27,000	△Peoria & Eastn Ry 4s 1990	April	66⅞	68	70½	71	70½	71½	70½ July 24	71 July 10	68 Jan 22	75 Mar 4
	Pere Marquette Ry Co—											
32,000	1st mtge 3⅜s ser D 1980	M-S	89	—	89	91	88⅞	90¾	88⅞ July 16	89¼ July 8	88⅞ July 16	91½ Mar 12
	Phila Balt & Wash RR—											
8,000	General 5s series B 1974	F-A	99¼	100	102	Sale	102	—	102 July 1	102⅛ July 15	99 Jan 22	102⅛ July 15
6,000	General gold 4½s ser C 1977	J-J	83⅝	—	95	96	92	95	95 July 10	95 July 10	84¾ Jan 7	96 Jun 25
	Philadelphia Electric Co—											
21,000	1st & refunding 2¾s 1971	J-D	90¼	90⅝	89¾	Sale	89½	90¼	89⅛ July 10	89¾ July 1	89 Apr 23	90¾ Jan 15
55,000	1st & refunding 2¾s 1967	M-N	95⅛	95¾	95	95¾	94¾	Sale	94½ July 9	95⅛ July 3	94½ July 9	96 Jan 21
49,000	1st & refunding 2¾s 1974	M-N	—	—	85½	86	86⅜	Sale	85 July 9	86½ July 30	83 Apr 17	86¾ Jan 30
5,000	1st & refunding 2¾s 1981	J-D	80⅜	82	80	80½	80⅛	Sale	79½ July 26	80⅛ July 31	79½ July 26	81½ May 6
1,000	1st & refunding 2⅞s 1978	F-A	84⅛	86	82¾	84½	82¼	—	82¼ July 24	82¼ July 24	82 Mar 26	85⅝ Feb 26
15,000	1st & refunding 3¼s 1982	J-J	85¾	—	86¼	87⅛	84¾	87½	84¼ July 17	86¼ July 3	84¼ July 17	87½ Feb 19
----	1st & refunding 3⅛s 1983	J-D	—	84¼	83½	84	83⅝	84	— ------	— ------	83 Jun 11	84¼ Jan 9
9,000	1st & refunding 3⅛s 1985	A-O	83	—	82¾	84½	84	—	84 July 22	84 July 22	82⅝ Feb 6	85¾ Apr 22
52,000	1st & refunding 4⅝s 1987	M-S	103½	104½	103½	104	103½	Sale	103 July 9	104¼ July 5	102 May 3	104¼ July 5
56,000	1st & refunding 3¾s 1988	M-N	93¼	94	91¾	92½	91¼	Sale	90¼ July 9	91¾ July 3	90 Jun 4	94½ Mar 6
9,000	1st & refunding 4⅜s 1986	J-D	102⅛	—	101	—	100¾	—	101 July 15	101½ July 5	100 Apr 18	104 Feb 19
6,000	1st & refunding 5s 1989	A-O	105¼	—	105⅝	Sale	106⅝	108⅛	105⅝ July 1	106½ July 12	105 Jan 3	106⅝ May 1
2,000	Phillip Morris Inc 4⅞s 1979	J-D	103½	Sale	103	—	102	Sale	102 July 31	102½ July 30	102 July 31	104¾ Jan 11
83,000	Phillips Petroleum 2¾s 1964	F-A	99	102½	99	102½	99 3/32	Sale	99 July 9	99 3/32 July 8	98⅝ Feb 5	99 3/32 July 8
1,793,000	4¼s conv subord debs 1987	F-A	114⅝	Sale	115	Sale	114⅜	Sale	113 July 29	116½ July 8	112¼ Feb 28	119½ May 22
----	Pillsbury Co 4⅝s sf debs 1986	J-D	103¼	—	101½	104½	101½	104½	— ------	— ------	101¾ May 20	101¾ May 20
----	Pillsbury Mills 3⅛s debs 1972	J-D	93¾	—	93	—	93	—	— ------	— ------	93 Jun 21	94⅛ Mar 11
	Pitts Bessemer & L Erie RR—											
----	1st mtge 2⅞s series A 1996	J-D	74½	—	74½	—	74½	—	— ------	— ------	75 May 2	75 May 2
	Pitts Cin Chic & St L Ry—											
----	Cons gtd 4½s ser I 1963	F-A	99¾	—	99⅞	—	99⅞	—	— ------	— ------	99⅞ May 15	99⅞ May 15
----	Cons gtd 4½s ser J 1964	M-N	—	—	99½	—	99½	—	— ------	— ------	99¼ Jan 30	99¾ Jan 30
	Pgh Cinc Chic & St Louis RR											
49,000	General 5s series A 1970	J-D	93	94	100	Sale	101	Sale	100 July 1	101 July 19	94 Jan 3	101 July 19
55,000	General 5s series B 1975	A-O	90⅛	—	97¼	Sale	98½	Sale	97¼ July 1	98½ July 25	91⅛ Jan 9	98½ July 25
26,000	Gen mtge 3⅜s ser E 1975	A-O	71½	—	75	77	75⅝	—	75½ July 25	77 July 8	71¾ Jan 9	77 Jun 25
----	Pgh Consolid'n Coal 3½s '65	J-J	98¼	—	98⅝	99½	98⅝	99½	— ------	— ------	98⅝ Jan 14	99¼ Feb 11
32,000	Pittsburgh Plate Glass 3s 1967	A-O	97⅛	—	97⅝	98	97½	—	97½ July 11	97⅝ July 3	97⅛ Apr 5	98 Jan 10
----	Pittsburgh & West Virginia Ry 3⅞s series A 1984	M-S	—	—	70	—	70	—	— ------	— ------	— ------	— ------
	Pittsburgh Youngstown & Ashtabula Ry—											
----	1st gen 5s ser C 1974	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------
----	1st 4½s series D 1977	J-D	—	—	—	—	—	—	— ------	— ------	— ------	— ------
1,000	Planation Pipe Line 3¾s 1970	M-S	88¼	—	90	—	90	Sale	90 July 31	90 July 31	88¼ Jan 25	90 Jun 21
----	3½s s f debentures 1986	A-O	88	—	88	—	88	—	— ------	— ------	89 Jun 13	89 Jun 13
	Potomac Electric Power—											
----	1st mtge 3¼s 1977	F-A	—	—	86	—	86	—	— ------	— ------	— ------	— ------
----	1st mortgage 3s 1983	J-J	76	—	76	84½	76	84½	— ------	— ------	83½ Mar 8	84 Apr 24
----	1st mortgage 2⅞s 1984	M-N	—	—	76⅛	—	76⅛	—	— ------	— ------	— ------	— ------
58,000	Procter & Gamble 3⅞s 1981	M-S	96¼	97¾	96⅛	96¼	95⅝	98	95 July 22	96⅛ July 3	95 July 22	98 Feb 21
	Public Service E & G Co—											
426,000	3s debentures 1963	M-N	99½	Sale	99 9/16	Sale	99⅞	Sale	99 9/16 July 1	100 July 11	99½ Jan 2	100 July 11
7,000	1st & ref mtge 3¼s 1968	J-J	95⅜	—	96¾	—	94	—	94 July 23	96¾ July 8	94 July 23	97 Feb 6
----	1st & ref mtge 5s 2037	J-J	108	110¾	109¼	—	110	—	— ------	— ------	108 Jan 18	108½ Feb 19
----	1st & ref mtge 8s 2037	J-D	166	—	167	—	160	—	— ------	— ------	170 Feb 1	170⅛ May 16
17,000	1st & ref mtge 3s 1972	M-N	86¾	—	91	91⅞	90⅝	91¼	90⅝ July 30	91½ July 19	90½ Feb 26	92 Jan 14
----	1st & ref mtge 2⅞s 1979	J-D	83¾	—	83½	—	84⅛	—	— ------	— ------	83½ Jun 18	85 Jan 11
7,000	3⅜s debentures 1972	J-D	93¾	Sale	93¾	—	93	—	93½ July 10	93⅞ July 8	93½ July 10	94⅝ May 21
20,000	1st & ref mtge 3¼s 1983	A-O	86⅛	—	—	86	86	—	86 July 5	86 July 5	86 July 5	87½ Jan 7
12,000	3½s debentures 1975	A-O	92½	—	93½	—	93⅞	—	93⅞ July 12	94 July 25	92¼ Mar 8	94 July 25
74,000	4⅝s debentures 1977	M-S	101½	104	104½	—	102	Sale	101½ July 23	104⅝ July 2	101½ July 23	105 Jan 31
5,000	Quaker Oats 2⅝s debs 1964	J-J	98⅝	—	98 1/32	99½	98 25/32	99¼	99 July 9	99 July 9	98⅛ Feb 27	99 July 9
68,000	Reading Co 3⅛s ser D 1995	M-N	45	Sale	57½	Sale	56¼	Sale	53¾ July 10	57½ July 1	45 Jan 2	58¼ Jun 28
59,000	Republic Steel 4⅜s debs 1985	M-S	101¾	—	101⅜	Sale	100½	Sale	100¼ July 30	101⅜ July 1	100¼ July 30	102¾ Jan 11
5,000	Reynolds (R J) Tob 3s 1973	A-O	89½	—	91½	92¾	91	92¾	91 July 23	91 July 23	89½ Jan 9	92 Jun 24
----	Rheem Mfg Co 3⅞s debs 1975	F-A	85	—	85	—	85	—	— ------	— ------	85 Jan 21	85⅝ Apr 4
	Richfield Oil Corp—											
458,000	4⅜s conv subord debs 1983	A-O	120	122⅛	125	Sale	126	Sale	125 July 1	130 July 3	122 Jan 3	136½ Apr 15
	Rochester Gas & Electric—											
----	4½s series D 1977	M-S	—	—	100	—	100	—	— ------	— ------	100 Apr 26	100 Apr 26
8,000	Gen mtge 3¼s ser J 1969	M-S	94	—	95½	Sale	94½	96	95 July 1	95½ July 1	94¾ Feb 14	96 Jun 14
	Rohr Aircraft Corp—											
192,000	5¼s conv subord debs 1977	J-J	109¾	Sale	107	Sale	106⅜	107¼	106⅝ July 29	109½ July 9	106 Mar 1	111 Jun 3
	Royal McBee Corp—											
72,000	6¼s conv subord debs 1977	J-D	104	Sale	105	Sale	105	107	105 July 1	106⅝ July 26	102 Jan 2	107 Jun 24
13,000	Saguenay Power 3s ser A 1971	M-S	88½	—	92¼	—	89½	—	89½ July 23	90½ July 18	89½ July 23	90½ Jun 26
12,000	St Lawr & Adirondack 5s 1996	J-J	61	69	69⅛	—	67½	74⅞	71⅝ July 10	74⅞ July 15	62¼ Jan 3	74⅞ July 15
1,000	2nd gold 6s 1996	A-O	66⅛	71	76⅛	—	76⅛	—	76⅛ July 19	76⅛ July 19	66¼ Feb 1	76⅛ July 19

For footnotes, see page 95.

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	St Louis-San Fran Ry—											
127,000	1st mtge 4s series A 1997	J-J	76½	Sale	82½	Sale	80½	Sale	80 July 17	82½ July 1	76½ Jan 2	83 Jun 17
259,000	Δ2nd inc M 4½s A Jan 2022	May	74⅛	Sale	83⅝	84½	82	Sale	82 July 29	85¾ July 18	74 Jan 2	85¾ July 18
----	1st mtge 4s series B 1980	M-S	72	—	85	—	—	—	— ------	— ------	83¼ May 8	84¼ Feb 14
144,000	Δ5s inc debs ser A Jan 2006	M-N	69¼	Sale	80½	Sale	81¼	Sale	80 July 2	82 July 8	69¼ Jan 2	83 Jun 3
	St Louis Southwestern Ry—											
12,000	1st 4s bonds ctfs 1989	M-N	89	92½	91½	—	91	—	91⅛ July 10	91½ July 9	89 Jan 7	92¼ Feb 11
1,000	2nd gold 4s inc bd Nov 1989	J-J	80¼	—	84¼	—	84⅜	—	84¼ July 3	84¼ July 3	80¼ Apr 15	84¼ July 3
----	St Paul & Duluth RR 4s 1968	J-D	92½	97½	95	97½	94½	97⅜	— ------	— ------	94⅛ Apr 10	96 Jun 28
----	St Paul Un Dep 3⅛s ser B '71	A-O	85½	—	87⅝	—	87⅝	—	— ------	— ------	85½ Jan 29	87⅝ Mar 17
	Scioto Val & New Eng RR—											
----	1st guaranteed 4s 1989	M-N	90⅛	91	88¼	—	88¼	—	— ------	— ------	91 Jan 30	94⅝ Mar 27
688,000	Scott Paper 3s conv debs 1971	M-S	127	Sale	127⅝	Sale	129¾	Sale	127 July 1	131½ July 8	120½ Mar 19	141¼ Apr 26
----	Scovill Mfg 4¾s debs 1982	J-J	99	—	100	—	100	—	— ------	— ------	100 May 22	100 May 22
	Seaboard Air Line RR Co—											
6,000	1st mtge 3s series B 1980	M-N	79⅜	81	80⅛	—	80⅛	—	80⅛ July 11	80⅛ July 11	79⅜ Jan 9	80⅛ Jan 22
----	3⅞s s f debentures 1977	M-S	87	—	87¼	—	87¼	—	— ------	— ------	87¼ Feb 11	87¼ Feb 11
	Seaboard Finance—											
48,000	5¼s debentures 1980	J-J	103⅜	—	106⅛	Sale	104½	105	104 July 26	106½ July 8	102¼ Feb 20	106½ July 8
	Seagram (Jos E) & Sons—											
----	2½s debentures 1966	J-D	94⅞	96¾	96¾	—	96¾	—	— ------	— ------	95¼ Jan 22	96¾ May 14
----	3s debentures 1974	J-D	86½	—	86½	—	86½	—	— ------	— ------	86¾ Apr 23	86¾ Apr 23
	Sears Roebuck Acceptance Corp											
118,000	4⅝s debentures 1972	F-A	102½	Sale	102	103½	102	103	102 July 22	103¾ July 15	102 May 2	104 Jan 15
122,000	4⅝s subord debs 1977	M-N	100¼	102½	102⅛	103	101	102	101 July 25	102½ July 11	101 Jan 23	103½ Feb 19
41,000	5s debentures 1982	J-J	106	107	107¼	Sale	106	107¼	106 July 25	107¼ July 1	105 Jan 9	107¼ Jun 28
273,000	Sears Roebuck & Co 4¾s 1983	F-A	105⅜	Sale	105	Sale	104⅞	Sale	104 July 24	105¾ July 15	104 July 24	105¾ Jun 17
	Seiberling Rubber Co—											
25,000	5s conv subord debs 1979	J-J	78⅝	79	87	Sale	84	86	84 July 22	87 July 1	78 Jan 30	90 Jun 18
5,000	Service Pipe Line 3.20s 1982	A-O	90⅞	—	92	93½	92	93½	92 July 2	92 July 2	90⅞ Jan 10	92½ Mar 7
83,000	Shell Oil Co 4⅝s debs 1986	F-A	105½	Sale	105	Sale	103¾	104½	103½ July 11	105 July 1	103½ July 11	105¾ Feb 19
69,000	Shell Union Oil 2½s debs 1971	A-O	90¼	91	89⅝	Sale	89⅜	89¾	89⅛ July 18	90 July 3	88⅝ May 22	90½ Mar 20
	Sinclair Oil Corp—											
656,000	4⅜s conv subord debs 1986	J-D	101⅛	Sale	103½	Sale	103¼	Sale	102⅞ July 12	103½ July 1	100⅝ Jan 3	104¼ May 7
----	Skelly Oil 2¾s debs 1965	J-J	99¼	—	99¼	99⅞	99¼	99⅞	— ------	— ------	99⅛ Apr 16	99½ Mar 6
	Smith-Corona Marchant—											
112,000	5¼s conv subord debs 1979	J-J	102¼	Sale	102½	Sale	99⅛	Sale	99⅛ July 31	102½ July 1	99⅛ July 31	108 Jan 29
	Socony Mobil Oil Co Inc—											
449,000	4¼s debentures 1993	J-D	84⅛	85	99⅞	Sale	99⅞	Sale	99¼ July 9	100 July 1	99¼ July 9	100 May 28
48,000	Socony-Vacuum Oil 2½s 1976	A-O	—	—	84	Sale	84	84¼	83¾ July 24	84⅛ July 11	83 Jan 15	85½ Jun 3
----	South & Nor Ala gtd 5s 1963	A-O	100½	101	99⅞	—	99⅞	—	— ------	— ------	99⅝ Apr 26	100½ Jan 24
	Southern Bell & Tel & Tel—											
23,000	3s debentures 1979	J-J	86⅝	Sale	84½	85¼	85	85½	83¾ July 17	85½ July 23	82½ Apr 18	86¾ Jan 3
20,000	2¾s debentures 1985	F-A	77	80	76¾	78	78¼	Sale	77¾ July 18	78¼ July 26	76¾ Jun 28	80¼ Jan 11
9,000	2⅞s debentures 1987	J-J	—	—	79½	—	77⅝	—	77½ July 19	79½ July 8	77½ July 19	79½ Jan 22
	Southern California Edison—											
----	3¼s conv debs 1970	J-J	218	—	—	—	218	—	— ------	— ------	231 May 13	238 Jan 29
25,000	South'n Indiana Ry 2¾s 1994	J-J	56	60	—	65¾	65½	—	64¼ July 17	66 July 23	59 Feb 6	66 Jun 19
	Southern Natural Gas Co—											
----	4½s conv s f debs 1973	J-J	130	—	—	171	145	171	— ------	— ------	150 Jan 22	168½ Jun 21
	Southern Pacific—											
250,000	(Oregon Lines) 4½s 1977	M-S	99½	100¼	101	Sale	100½	Sale	100½ July 24	101½ July 2	99¼ Jan 4	101½ July 2
167,000	Gold 4½s 1969	M-N	103¼	Sale	103⅜	Sale	102½	Sale	100½ July 17	103⅜ July 1	100½ July 17	103⅜ Jun 25
218,000	Gold 4½s 1981	M-N	97½	Sale	99½	Sale	99¼	100	99 July 16	99⅞ July 1	96 Jan 17	100 May 28
5,000	San Fran Term 3⅜s A 1975	J-D	86¾	—	86¾	—	86½	—	86½ July 12	86¾ July 12	86½ July 12	86¾ Jan 21
	Southern Pacific RR Co—											
6,000	1st mtge 2⅞s ser E 1986	J-J	74	—	76⅛	—	76⅜	—	76⅛ July 11	76⅜ July 26	74 Jan 23	76⅜ July 26
14,000	1st mtge 2¾s ser F 1996	J-J	61	—	65⅜	—	65⅝	—	65 July 9	65⅜ July 2	61 Jan 3	65⅜ Jun 20
8,000	1st mtge 5¼s ser H 1983	A-O	105⅛	—	105⅜	106½	106	106½	105½ July 16	105½ July 16	104¼ Mar 1	107 Feb 7
58,000	Southern Ry 1st cons 5s 1994	J-J	105⅛	Sale	107	Sale	106¼	107½	105½ July 18	107½ July 3	105 Apr 2	108 Feb 25
10,000	1st mtge coll tr 4½s 1988	F-A	95⅝	—	98	—	99	—	99 July 2	99 July 2	97¼ May 1	99 Jun 27
----	Memphis Div 1st g 5s 1996	J-J	102½	—	102	—	103½	—	— ------	— ------	100 Apr 15	104¼ Mar 12
----	New Orl & N'east 3¾s 1977	M-N	85	—	85	—	85	—	— ------	— ------	— ------	— ------
	Southwestern Bell Telephone—											
34,000	2¾s debentures 1985	A-O	80	85	76¾	Sale	78¼	83	76¾ July 1	78¼ July 30	76¾ July 1	81 Jan 9
15,000	3⅛s debentures 1983	M-N	84	—	—	—	84	85	84½ July 30	84½ July 30	84½ Jan 25	84½ Jan 25
	Spiegel Inc—											
253,000	5s conv subord debs 1984	J-D	114	116	116½	Sale	114	Sale	111 July 18	117 July 9	110 Mar 6	124⅞ May 17
50,000	5¼s debentures 1983	A-O	103¾	Sale	103¾	104	104¾	Sale	103½ July 17	104¾ July 31	103⅜ Jan 25	105¼ May 13
178,000	Standard Oil of Cal 4⅜s 1983	J-J	102½	Sale	102	Sale	102	Sale	101⅜ July 3	102½ July 1	101 Apr 18	103¼ Jan 3
	Standard Oil (Indiana)—											
10,000	3⅛s conv debs 1982	A-O	88⅛	—	86¼	Sale	86¼	Sale	86¼ July 1	86⅜ July 25	86¼ Jun 25	90½ Jan 25
151,000	4½s debentures 1983	A-O	103⅞	Sale	103⅜	Sale	103	Sale	102⅞ July 18	104 July 5	102¼ Apr 29	104⅜ Jan 18
	Standard Oil Co (N J)—											
70,000	2⅝s debentures 1971	M-N	87½	88½	88⅛	Sale	87⅝	87⅞	87¼ July 11	88⅛ July 1	87¼ July 11	89¼ Jan 30
20,000	2¾s debentures 1974	J-J	88	88½	87⅝	Sale	87¼	87¾	87 July 16	87⅝ July 1	87 July 16	89¼ Feb 7
	Standard Oil Co (Ohio)—											
34,000	4¼s s f debentures 1982	J-J	100½	—	100½	—	100¼	101	100¾ July 5	101¼ July 16	99⅛ Apr 18	101¼ May 9
2,000	Stauffer Chemical 3⅞s 1973	M-S	97⅝	—	97½	—	97½	—	97½ July 24	97½ July 24	97½ May 15	99 Jan 31
	Stokely-Van Camp Inc—											
125,000	4¼s conv subord debs 1982	M-S	95½	Sale	99	99½	98¼	Sale	98 July 22	99½ July 2	94 May 8	100 Jan 24
9,000	Sunray DX Oil 4¼s debs 1987	M-N	100¾	101¼	100	101	100¼	Sale	100¼ July 11	100¼ July 11	99¼ Apr 22	101½ May 16
10,000	Sunray Oil Corp 2⅞s debs 1966	J-J	97½	—	98¼	—	98¼	—	98¼ July 12	98¼ July 12	97½ Jan 30	98¼ Mar 26
1,000	Superior Oil 3¾s debs 1981	J-J	95⅛	96	94¾	95¾	94½	95⅝	95 July 3	95 July 3	94½ Apr 29	96 Mar 11
28,000	Surface Transit Inc 6s 1971	M-N	98¾	Sale	100	Sale	99⅜	100	99 July 12	100 July 1	98⅜ Jan 11	100 Feb 15
5,000	Swift & Co 2⅝s debs 1972	J-J	89¾	—	90⅛	Sale	89¼	—	90 July 11	90⅛ July 1	89¾ Jan 16	93 Apr 16
5,000	2⅞s debentures 1973	M-N	91	—	93⅝	—	93⅝	—	93⅝ July 12	93⅝ July 12	91¼ Jan 29	93⅝ Jun 18
	Symington Wayne Corp—											
67,000	4¾s conv sub debs 1982	A-O	109	Sale	118	120½	116	119	115 July 22	120 July 3	109 Jan 3	124 Apr 17
	Talcott (James) Inc—											
----	5½s senior notes 1979	J-D	105	—	105⅛	—	126	136	— ------	— ------	104⅞ May 8	105¼ May 8
78,000	5s capital conv notes 1979	J-D	155	160	132	140	105⅛	—	129 July 23	138 July 25	129 July 23	169 Jan 18
----	5½% senior notes 1980	J-D	105½	—	—	—	—	—	— ------	— ------	104½ Mar 5	105½ Jan 8
22,000	Tandy Corp 6½s debs 1978	J-J	—	—	91½	92⅞	92½	Sale	92 July 17	92⅞ July 2	91 Jun 7	94½ Mar 4
	Term RR Assn of St Louis											
----	Ref & imp M 4s ser C 2019	J-J	81⅛	88	82⅝	93	82⅝	—	— ------	— ------	82¼ Feb 29	87 Mar 22
----	Ref & imp 2⅞s ser D 1985	A-O	79¼	80	79⅛	—	80	—	— ------	— ------	79 Apr 22	80 Feb 15
104,000	Texas Co 3⅝s debs 1983	M-N	93½	Sale	—	92¼	91⅝	Sale	91⅝ July 18	92⅝ July 5	91⅝ July 18	94¼ Jan 24
181,000	Texas Corp 3s debs 1965	M-N	98⅝	Sale	98¾	Sale	98¼	Sale	98¼ July 24	99 July 3	98¼ Jan 4	99¼ Mar 11
	Texas & New Orl RR Co—											
10,000	1st & ref M 3¼s ser B 1970	A-O	88	—	89⅝	—	89⅝	91	89⅝ July 5	90 July 11	88 Jan 7	90½ Feb 19
12,000	1st & ref M 3⅜s ser C 1990	A-O	70	—	75⅛	—	76	79	76 July 2	76 July 2	70¼ Feb 4	76 July 2
8,000	Texas & Pacific 1st g 5s 2000	J-D	92½	—	101	—	100	—	100 July 2	100½ July 15	92⅝ Jan 7	101 May 14
71,000	Gen & ref M 3⅞s ser E 1985	J-J	68	70½	82	—	80½	—	80⅝ July 26	82¼ July 5	70 Jan 4	82¼ July 5
	Texas Pacific-Missouri Pacific											
2,000	Term RR of N O 3⅜s 1974	J-D	80	—	81⅛	—	81⅛	—	81⅛ July 5	81⅛ July 5	80 Mar 27	81⅛ July 5
38,000	Thompson Products 4⅞s 1982	F-A	114	Sale	114½	118	112¾	113	112 July 17	115½ July 8	112 Apr 5	120 Apr 25
	Thompson Ramo Wooldridge—											
----	5¼s debentures 1986	J-J	103	—	104⅝	—	104⅜	—	— ------	— ------	104 Mar 4	105 Jan 15
39,000	Tidewater Oil 3½s 1986	A-O	87	Sale	85	87⅞	87½	Sale	86 July 12	87½ July 31	86 July 12	88¼ Apr 19
	Trans World Airlines—											
840,000	Δ6½s sub inc debs 1978	J-D	73¼	Sale	88⅛	Sale	92	Sale	87¾ July 2	92 July 31	70½ Jan 23	90¼ Jun 5
29,000	Union Elec of Mo 3⅜s 1971	M-N	94⅝	95⅜	94	95¼	94	95¼	93¾ July 24	94¼ July 23	93¼ May 9	95⅛ Feb 20
19,000	1st mtge & coll tr 2¾s 1975	A-O	84	—	84⅞	85⅞	85⅛	85¾	84⅞ July 9	85⅝ July 19	84½ Feb 6	85⅝ July 19
3,000	3s debentures 1968	M-N	94⅛	—	94⅜	—	94⅛	—	94⅜ July 16	94⅜ July 16	94⅜ July 16	94½ Apr 5
----	1st mtge & coll tr 2⅞s 1980	J-D	78¼	85½	—	83	—	83	— ------	— ------	83 Jan 18	83 Jan 18
4,000	1st mtge & coll tr 3¼s 1982	M-N	87	—	86	87	85	—	86 July 30	86 July 30	86 May 15	88⅛ Feb 27

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For footnotes, see page 95.

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New York Stock Exchange—Stocks

Monthly and Yearly Record

RANGE OF STOCK PRICES FOR JULY

Stock Sales—	1963	1962	Stock Sales—	1963	1962
July (Shares)	76,282,904	74,161,696	Jan. 1 to July 31 (Shares)	633,135,303	566,062,665

NOTICE—Cash and deferred delivery sales are disregarded in the month's range unless they are the only transactions of the month, and when selling outside of the regular monthly range are shown in a footnote in the month in which they occur. No account is taken of such sales in computing the range for the year.

Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
3,000	35,100	Abacus Fund	1	40¼	Sale	42⅝	42¾	46¼	Sale	42⅝ July 2	47 July 29	39¾ Jan 7	47 July 29
68,500	317,000	Abbott Laboratories	5	76¼	Sale	93½	Sale	108	Sale	93½ July 1	111½ July 29	72⅞ Jan 17	111½ July 29
48,400	554,400	A B C Vending Corp	1	13	Sale	14½	Sale	13⅜	Sale	13⅛ July 22	14⅞ July 2	12¼ Mar 26	15⅜ Jun 14
25,100	264,100	ACF Industrial Inc	25	77	Sale	96¾	Sale	92½	Sale	89¼ July 26	97 July 3	74¾ Jan 4	101 Jun 24
8,600	104,500	Acme Markets Inc	1	71½	Sale	72	Sale	72¼	Sale	70 July 1	73⅝ July 16	68¼ Feb 28	80 Jan 15
41,300	322,000	Acme Steel Co	10	13¾	Sale	18⅜	Sale	17¾	Sale	16¼ July 22	18⅞ July 5	13¾ Jan 2	19 Jun 3
20,500	168,800	Adams Express Co	1	25⅛	Sale	26	Sale	26⅜	Sale	26 July 1	26½ July 5	25 Mar 1	27 Jan 24
8,700	124,700	Adams-Millis Corp	*	12⅛	Sale	10½	Sale	10	Sale	10 July 19	10¾ July 3	10 Apr 4	13⅞ Jan 24
129,700	909,100	Addressograph Multig	2.50	50¼	Sale	52¾	Sale	51½	Sale	50⅜ July 29	53¼ July 17	43⅜ Mar 18	56½ Jun 13
58,200	721,100	Admiral Corp	1	11⅞	Sale	17⅝	Sale	17	Sale	16½ July 19	19 July 11	11¾ Jan 3	19⅜ Jun 13
14,700	101,500	Aeronquip Corp	1	23½	Sale	22¾	Sale	24	Sale	22⅝ July 1	24 July 31	22¼ Mar 4	26¾ Jan 8
45,000	220,100	Air Control Products	50c	14¼	Sale	16	Sale	16½	Sale	15¾ July 9	17⅜ July 16	14⅛ Jan 3	17⅝ Jun 19
51,800	457,300	Air Products & Chemicals	1	63¼	Sale	60⅝	Sale	59⅛	Sale	58¼ July 23	63½ July 11	56 Apr 18	67¾ Jun 3
111,400	637,400	Air Reduction Inc	*	55⅛	Sale	53¾	Sale	52⅞	Sale	50¼ July 19	55 July 3	50¼ July 19	61¾ Apr 16
23,500	191,500	A J Industries	2	3¾	Sale	3⅜	Sale	3⅜	Sale	3⅜ July 1	3⅝ July 12	3⅜ May 6	4⅛ Jan 14
5,700	65,700	Alabama Gas Corp	2	37⅛	Sale	37¾	Sale	37⅝	Sale	37¼ July 15	38¼ July 3	35 Feb 12	38¾ May 10
46,200	411,200	Alco Products Inc	1	19⅝	Sale	23	Sale	22¾	Sale	22 July 22	23⅞ July 5	19 Jan 3	25¼ May 24
68,900	674,500	Aldens Inc common	5	29	Sale	27½	Sale	25⅛	Sale	25 July 30	27½ July 1	25 July 30	31¾ May 21
270	650	4½% preference	100	91½	Sale	92¼	93½	93½	95	93 July 8	94¼ July 16	91 Jan 9	94 July 16
66,200	581,800	Alleghany Corp common	1	11¼	Sale	10⅛	Sale	10*	Sale	9⅞ July 2	10¾ July 5	9¾ Apr 4	13 Jan 11
12,900	119,000	6% conv preferred	10	34	Sale	31½	Sale	32	Sale	31 July 1	35 July 10	30½ Jun 12	42½ Jan 11
48,500	560,000	Allegheny Ludlum Steel	1	32¾	Sale	36½	Sale	37¼	Sale	35¾ July 23	37⅞ July 12	32¾ Jan 2	38¾ May 22
34,400	291,300	Allegheny Power System	5	48¾	Sale	50⅜	Sale	50⅞	Sale	49 July 22	50⅞ July 2	47⅝ Jan 3	52¾ Jan 28
220	2,700	Alleg & West RR 6% gtd	100	93	Sale	100	101	101½	Sale	100⅛ July 3	102½ July 10	93 Jan 2	103 Apr 2
18,400	116,700	Allen Industries Inc	1	19¾	Sale	27¾	Sale	28¾	Sale	27 July 1	29¾ July 29	19¾ Jan 2	29¾ July 29
175,200	1,597,000	Allied Chemical Corp	9	44⅛	Sale	48	Sale	49⅝	Sale	47 July 1	50⅜ July 9	42¼ Mar 4	52 May 9
5,700	49,300	Allied Kid Co	5	13⅛	Sale	13⅞	Sale	14⅞	Sale	13½ July 5	14⅞ July 31	13⅛ Jan 2	15⅛ May 6
5,000	46,300	Allied Mills Inc	*	40¾	Sale	44¾	Sale	44⅝	Sale	44½ July 5	46½ July 10	40 Jan 2	47¼ Jun 11
14,300	144,500	Allied Products Corp	5	7¼	Sale	8¾	Sale	8⅞	Sale	8¼ July 11	8⅞ July 30	7 Feb 15	9⅜ Mar 11
59,600	313,600	Allied Stores Corp com	*	49⅝	Sale	52⅜	Sale	50¼	Sale	49¾ July 29	52¾ July 3	49⅝ Jan 2	57⅞ Apr 18
540	5,480	4% preferred	100	88½	Sale	87	88	88	Sale	87 July 3	88 July 10	87 Jun 3	91 Jan 17
30,100	324,600	Allied Supermarkets Inc	1	11⅞	Sale	12½	Sale	12¼	Sale	12 July 19	12⅝ July 2	11⅞ Jan 2	13⅞ Jan 10
111,200	1,237,700	Allis-Chalmers Mfg com	10	14⅝	Sale	18¼	Sale	16⅞	Sale	16⅜ July 19	18⅝ July 8	14⅝ Jan 2	20⅜ Jun 4
700	6,800	4.08% conv preferred	100	88½	89	92½	94½	93½	95½	94 July 5	95½ July 16	89 Jan 3	96 Apr 16
20,300	274,500	Alpha Portland Cement	10	16¾	Sale	17⅞	Sale	17¼	Sale	17 July 19	18 July 2	16¼ Feb 28	19¼ Apr 16
42,800	327,300	Alside Inc	*	27	Sale	34¾	Sale	34	Sale	31½ July 16	35¾ July 2	24¾ Apr 29	37⅜ Jun 25
265,200	2,216,000	Aluminium Ltd	*	20⅛	Sale	26⅛	Sale	24⅜	Sale	23⅝ July 26	27⅛ July 12	20⅛ Jan 2	27⅞ Jun 5
114,100	1,058,200	Aluminum Co of America	1	54⅝	Sale	64½	Sale	63½	Sale	58¾ July 22	69 July 11	51¼ Mar 22	69 July 11
13,200	171,600	Amalgamated Sugar Co	*	23	Sale	27½	Sale	26¼	Sale	26 July 31	28⅝ July 11	20¾ Jan 7	37 May 21
16,900	147,900	Amerace Corp	12.50	22½	Sale	23⅜	Sale	25	Sale	23¼ July 1	25¾ July 31	22½ Jan 2	26 Apr 29
122,100	‡353,800	Amerada Petroleum Corp	*	--	--	69¾	Sale	66	Sale	62½ July 22	70 July 1	‡62½ July 22	71 Jun 5
46,900	983,400	Amer Agri Chem (Del)	*	23⅝	Sale	45¾	Sale	47⅝	Sale	45⅜ July 23	47⅞ July 12	22½ Jan 16	47⅞ July 12
300,500	1,955,900	American Airlines com	1	18⅛	Sale	25⅞	Sale	26⅛	Sale	24¾ July 23	26¾ July 12	17⅞ Jan 3	26¾ July 12
1,100	5,000	3½% conv preferred	100	97½	103	117	127	127	Sale	122 July 25	127 July 31	97 Feb 11	127 July 31
56,700	429,700	American Bakeries Co	*	18	Sale	23½	Sale	22¼	Sale	21 July 22	24⅛ July 10	17⅞ Jan 2	26½ May 24
2,200	19,000	American Bank Note com	5	27½	29½	25⅞	Sale	25¾	26¼	25 July 18	26¼ July 5	24¾ Apr 16	29¼ Jan 17
320	1,530	6% preferred	50	61	62½	64	64¾	65½	67½	63¾ July 3	66½ July 23	62 Jan 14	67 Feb 26
71,300	530,100	Amer Bosch Arma Corp	2	13½	Sale	15⅜	Sale	14⅜	Sale	14¼ July 22	16½ July 11	13½ Jan 2	16¾ Apr 23
14,100	202,100	Amer Brake Shoe Co	*	48⅞	Sale	54⅝	Sale	51½	Sale	51⅛ July 24	54¾ July 2	48⅝ Jan 11	58¾ Apr 4
66,500	950,800	Amer Broadcasting-Paramount Theatres Inc	1	33⅝	Sale	29¾	Sale	28¾	Sale	28⅜ July 29	31½ July 5	27⅞ Jun 19	38¼ Jan 14
104,400	957,900	American Can com	12.50	45⅞	Sale	46⅜	Sale	44⅞	Sale	44½ July 29	46½ July 3	43⅝ Apr 1	47⅜ Feb 1
9,200	72,100	7% preferred	25	40½	Sale	40⅞	Sale	40⅝	Sale	39¾ July 8	41 July 1	39¾ July 8	42½ Jan 30
33,900	229,300	American Cement Corp	5	--	--	11⅞	Sale	11½	Sale	11½ July 25	12⅛ July 5	10⅜ Apr 2	12½ May 20
3,500	67,100	American Chain & Cable	*	47¼	Sale	51	52	51¼	51½	50¾ July 22	52 July 3	47¼ Jan 2	55¾ May 21
49,400	207,200	Am Commerce Barge Line	3	21¼	Sale	24	Sale	25	Sale	23½ July 1	25⅞ July 23	20 Jan 25	25⅞ July 23
7,000	46,800	American Consumer Indus	*	24¼	Sale	22¼	Sale	22⅝	23⅛	22¼ July 1	23 July 8	22 May 20	28¼ Jan 24
31,900	172,200	Amer-Crystal Sugar com	10	40¼	41¼	64	Sale	62⅞	Sale	62½ July 1	68½ July 12	41⅞ Jan 3	74¾ May 21
220	2,430	4½% prior preferred	100	93	Sale	94¼	95	96	98½	95 July 2	97½ July 26	88¼ Mar 12	97½ July 26
158,300	1,519,400	Amer-Cyanamid Co	10	49¼	Sale	58⅛	Sale	58⅜	Sale	57 July 22	60⅜ July 8	47¾ Jan 2	60⅜ Jun 18
10,700	136,500	American Distilling Co	10	38½	Sale	37⅞	Sale	37⅜	Sale	36 July 23	38⅜ July 11	36 July 23	44⅞ Jan 23
167,000	1,119,700	American Elec Power	6.50	35⅞	Sale	35⅞	Sale	37¼	Sale	35⅜ July 1	38¼ July 30	32⅜ Mar 1	38¼ July 30
54,700	‡470,900	American Enka Corp	2.50	--	--	36	Sale	36⅛	Sale	34¼ July 22	36⅝ July 31	‡29½ Apr 4	38⅞ Jun 24
49,300	867,100	Amer Export Lines Inc	40c	18⅛	Sale	31	Sale	28⅝	Sale	27 July 29	31 July 1	17⅞ Jan 2	33⅜ Jun 17
185,600	1,024,991	Amer & Foreign Power	*	9	Sale	12⅝	Sale	12	Sale	11⅝ July 23	12¾ July 1	8⅞ Jan 2	13½ May 20
18,200	237,400	Amer Hardware Corp	12.50	36¼	Sale	43⅛	Sale	42⅝	Sale	42¼ July 22	46 July 11	34¾ Jan 30	48½ Jun 11
96,000	1,155,900	American Home Products	1	52⅝	Sale	59⅝	Sale	57⅛	Sale	57⅛ July 31	59⅞ July 1	49⅜ Mar 25	61⅜ Jun 7
182,300	980,500	Amer Hospital Supply	*	22	Sale	19⅝	Sale	19	Sale	18¼ July 19	19⅞ July 1	18¼ July 19	23 Jan 4
4,200	29,400	American International	1	14⅝	15⅛	15½	15⅞	16¼	16⅜	15¼ July 15	16⅜ July 30	15 Jan 3	16⅜ July 30
21,300	169,900	Amer Invest Co of Ill com	1	20¼	Sale	23⅛	Sale	23¼	Sale	22¾ July 25	23⅜ July 3	20⅛ Jan 2	23¾ Jun 10
20	1,400	5¼% prior preferred	100	104	107	104½	105½	104	106½	105⅞ July 3	106 July 3	101½ Mar 18	106 July 3
234,400	1,403,100	Amer Mach & Foundry— Common	1.75	20¾	Sale	21⅝	Sale	18¾	Sale	18¾ July 31	21⅝ July 1	18¾ July 31	24¼ Feb 1
240	890	3.90% preferred	100	81	Sale	87	89½	87½	89½	88 July 12	88 July 12	81 Jan 2	89½ May 28
95,000	817,500	Amer Metal Climax com	1	31⅝	Sale	39⅞	Sale	36⅛	Sale	35½ July 31	40 July 1	30⅞ Jan 3	40⅛ Jun 26
920	37,845	4¼% conv preferred	100	101	Sale	113	114	111¼	Sale	109½ July 25	113½ July 11	101 Jan 2	115 May 16
18,100	200,000	American Metal Products	2	14½	Sale	18⅝	Sale	18⅞	Sale	17⅝ July 24	18⅞ July 11	14½ Jan 2	20 May 31
9,400	53,900	American Meter Co	*	27½	Sale	27⅜	Sale	27½	Sale	27 July 2	29⅝ July 17	26½ Mar 18	29⅞ Jan 7
351,500	6,835,300	American Motors	1.66⅔	16¼	Sale	18⅜	Sale	18	Sale	17½ July 19	18¾ July 5	16 Jan 2	23 Feb 14
79,700	513,400	American Natural Gas	10	41¾	Sale	42⅛	Sale	43¼	Sale	40¼ July 16	43½ July 31	39⅛ Feb 26	45⅜ May 16
14,900	176,000	American News Co	*	23¼	Sale	23¾	Sale	22¾	Sale	22⅝ July 23	25 July 3	20⅛ Apr 9	25⅜ Jun 26
6,300	70,000	American Optical Co	1	61⅜	Sale	66½	Sale	68¾	Sale	64¼ July 22	69¼ July 31	61 Mar 7	70¾ Apr 22
208,600	3,644,300	Amer Photocopy Equip	*	11¾	Sale	10½	Sale	9⅝	Sale	9¼ July 22	10¾ July 11	9¼ July 22	15 Jan 25
65,400	512,600	Amer Potash & Chemical	*	30¾	Sale	27⅛	Sale	28⅜	Sale	27⅛ July 1	30¼ July 11	26¼ Jun 24	32½ Jan 7
219,400	1,266,200	Am Radiator & Stand San	5	12⅞	Sale	16⅜	Sale	16⅞	Sale	16⅛ July 3	17⅛ July 10	12¾ Jan 2	17⅛ July 10
30	630	7% preferred	100	147½	150	157	160½	157½	159	157 July 11	159 July 9	150 Jan 7	162 Jun 7
23,000	201,900	Am Research & Dev Corp	1	16¼	Sale	22½	Sale	22⅝	Sale	22⅛ July 22	24¾ July 11	16¼ Jan 2	25¼ May 31
22,800	98,100	American Seating Co	10	30¼	Sale	33⅝	Sale	30	Sale	29 July 22	34¾ July 3	29 July 22	34¾ July 3
8,300	85,800	American Ship Building	*	9¼	Sale	10¼	10½	11⅛	Sale	10¼ July 8	11⅛ July 31	9¼ Jan 2	12½ May 24
68,900	476,600	Amer Smelt'g & Refin'g	*	57½	Sale	78¾	Sale	78½	Sale	76½ July 19	82⅝ July 5	56⅛ Jan 2	82⅝ July 5
1,640	19,120	7% preferred	100	151	152¼	162	Sale	161¼	161⅝	159¼ July 12	162¼ July 2	151 Jan 3	165 Jun 10
3,200	64,100	American Snuff Co com	8⅓	21¼	Sale	24	Sale	24⅝	Sale	24 July 1	25¼ July 15	21¼ Jan 2	28⅛ May 17
80	1,440	6% non-cum pfd	100	125	127½	127½	129½	127¼	129	126 July 23	128¾ July 30	125 Jan 4	130½ May 27
87,400	468,400	Amer-So African Inv Co Ltd	£1	26⅞	Sale	33⅛	Sale	35¼	Sale	32½ July 22	35⅞ July 30	26½ Jan 3	36¼ Apr 3
104,500	‡547,400	Amer Sugar Refin com	12.50	—	—	26½	Sale	27	Sale	26 July 3	28¾ July 18	‡23¾ May 7	30½ May 21
19,300	194,100	5.44% preferred	12.50	--	--	13¾	Sale	13⅝	Sale	13½ July 26	14⅛ July 25	13¼ Apr 30	14⅛ Jun 5
363,000	3,168,100	American Tel & Tel	33⅓	116⅞	Sale	120⅞	Sale	119⅞	Sale	119 July 26	122⅞ July 5	114½ Jan 2	126⅛ May 1
353,600	2,779,000	American Tobacco— Common	6.25	29¼	Sale	28½	Sale	28⅛	Sale	28 July 16	29⅛ July 3	28 Mar 1	33⅞ Apr 17
4,270	31,290	6% preferred	100	128	Sale	129⅛	129⅝	128½	Sale	128½ July 22	129⅝ July 2	127½ Jan 2	136½ Mar 26
230,000	1,819,800	American Viscose Corp	25	60¾	Sale	66⅞	Sale	68¼	Sale	65¾ July 15	71 July 30	59 Apr 1	71 July 30

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
4,400	60,800	Amer Water Works Co com	5	22¼	Sale	26¾	27⅛	26½	Sale	26¼ July 29	27¼ July 4	22¼ Jan 2	28¼ May 21
30	1,960	5% preferred	25	25	26	27½	Sale	27½	28½	27½ July 1	27½ July 1	25 Jan 16	27½ July 1
900	19,800	5% preference	25	24	Sale	24¾	25¼	25½	26	25 July 2	26 July 8	24 Jan 2	26 July 8
9,400	641,600	Amer Zinc Lead & Smelt	1	13½	Sale	20⅛	Sale	19¾	Sale	18½ July 25	20¼ July 3	13⅛ Jan 18	23⅝ May 13
3,900	39,200	Ametek Inc	*	46½	Sale	47	Sale	46¾	Sale	45 July 25	47¾ July 3	42 Mar 19	48¼ Jan 30
60,600	345,500	AMP Inc endorsed shs	1	25½	Sale	30⅞	Sale	30¼	Sale	29¾ July 26	33⅞ July 11	25⅝ Mar 6	33⅞ July 11
251,000	2,223,400	Ampex Corp	1	16¾	Sale	20¼	Sale	18¾	Sale	18¼ July 19	21⅜ July 11	14½ Mar 19	21⅜ Jun 24
34,700	385,400	Amphenol-Borg Elect Corp	1	21⅜	Sale	26½	Sale	23⅝	Sale	23⅜ July 24	27¼ July 5	20¾ Jan 3	29⅛ Jun 14
42,000	353,100	Amsted Industries Inc	1	30⅛	Sale	38⅛	Sale	37½	Sale	35⅛ July 22	38¼ July 1	30⅛ Jan 2	38⅞ Jun 24
109,500	1,227,000	Anaconda Co	50	40⅝	Sale	49½	Sale	46⅝	Sale	45½ July 22	50 July 9	40½ Jan 2	54 Jun 6
2,700	31,260	Anaconda Wire & Cable	*	26½	27¼	32	Sale	29½	29¾	29¾ July 23	32⅜ July 12	27¼ Jan 3	35¾ Feb 14
27,100	200,200	Anchor Hock Glass com	6.25	28⅞	Sale	31⅞	Sale	32⅜	Sale	31½ July 10	32⅞ July 31	28¾ Jan 2	35¼ Apr 11
110	750	$4 preferred	*	92	Sale	96	98½	95¼	96¾	94½ July 5	96 July 3	92 Jan 2	97 Apr 5
11,600	223,600	Anderson Clayton & Co	21⅓	37¾	Sale	28½	Sale	27⅛	Sale	27 July 30	28⅞ July 2	26⅜ Apr 19	39⅝ Jan 8
70,200	635,600	Anken Chemical Film Cp	20c	37⅞	Sale	19¾	Sale	16½	Sale	16⅜ July 29	20¼ July 11	16⅜ July 29	41⅝ Jan 7
69,500	571,400	Apco Oil Corp	1	16⅛	Sale	20⅜	Sale	20⅞	Sale	20⅛ July 1	22½ July 9	15½ Feb 27	22½ July 9
18,500	195,800	Archer-Daniels-Midland	*	41¾	Sale	41¾	Sale	43	Sale	41 July 1	43⅞ July 24	39 May 16	43⅞ July 24
103,700	806,600	Arizona Public Service	2.50	30⅝	Sale	30¼	Sale	30½	Sale	28¼ July 17	30½ July 30	28¼ July 17	33¼ Jan 15
58,400	744,400	Armco Steel Corp	10	52	Sale	56	Sale	54¾	Sale	54½ July 23	56½ July 2	51½ Mar 19	59⅜ Apr 15
57,800	553,900	Armour & Co	5	42⅞	Sale	42¾	Sale	41¼	Sale	41¼ July 26	43⅞ July 5	41¼ July 26	48¾ Apr 15
59,800	358,300	Armstrong Cork Co com	1	67	Sale	79½	Sale	85¼	Sale	78½ July 2	85¾ July 31	66½ Jan 7	85¾ July 31
1,560	6,730	$3.75 preferred	*	87¾	Sale	89	90	90½	91	89¼ July 11	92 July 30	87½ Jan 2	92½ Feb 1
7,000	71,300	Armstrong Rubber Co	1	34	34¼	41	Sale	40	Sale	39⅝ July 22	41¼ July 1	34¼ Jan 3	43 Jun 7
1,310	9,300	Arnold Constable Corp	5	10	10¾	10½	11	10	Sale	10 July 22	10½ July 8	10 July 22	13½ Jan 25
3,300	37,100	Aro Corp	2.50	17¼	Sale	17¾	Sale	17⅛	17½	17⅛ July 30	18 July 8	17⅛ Jan 2	20¼ Feb 13
19,500	246,600	Arvin Industries Inc	2.50	26⅝	Sale	27⅛	Sale	29	Sale	27⅛ July 1	30 July 31	26½ Jan 2	34⅝ Mar 27
71,300	501,900	Ashland Oil & Refining	1	25⅞	Sale	28¾	Sale	28¾	Sale	27⅜ July 23	29 July 2	25½ Jan 2	31 May 13
22,100	124,400	Associated Brewing Co	1	2½	Sale	3⅜	Sale	3¾	Sale	3⅜ July 1	3⅞ July 24	2½ Jan 2	3⅞ July 24
24,900	308,400	Associated Dry Goods	50c	45¼	Sale	45¾	Sale	46¼	Sale	45¼ July 1	49 July 11	43⅞ Jan 22	51⅞ May 15
18,900	139,300	Associates Investment Co	10	61¼	Sale	62	Sale	56	Sale	54¾ July 26	62¾ July 5	54¾ July 26	66½ May 16
205,300	1,662,400	Atchison Top & San Fe— Common	10	25¼	Sale	29¾	Sale	28⅜	Sale	27 July 24	30⅛ July 2	25 Jan 2	30⅜ Jun 25
51,800	441,600	5% non-cum preferred	10	10½	Sale	11⅛	Sale	11	Sale	10¾ July 2	11⅛ July 1	10¼ Jan 2	11¼ Jun 19
20,800	162,200	Atlantic City Electric— Common	4⅓	43½	Sale	44¼	Sale	45	Sale	43¼ July 22	45¼ July 26	43 Jun 11	48⅛ Jan 28
190	3,230	4% preferred	100	90	Sale	92½	93¼	93	Sale	91½ July 9	93¼ July 2	87 Jan 10	94 Apr 4
13,600	230,200	Atlantic Coast Line RR	*	47⅜	Sale	57½	Sale	54⅞	Sale	54½ July 29	58 July 3	46½ Jan 21	60⅝ May 31
77,000	723,000	Atlantic Refining com	10	48⅛	Sale	51⅝	Sale	52⅝	Sale	51¼ July 3	53¼ July 31	48 Jan 2	56⅞ Apr 16
1,030	12,790	$3.75 pfd series B	100	88¼	Sale	88½	Sale	86½	Sale	86½ July 10	88½ July 1	86¼ Apr 19	89¾ Mar 14
57,800	818,600	Atlas Chem Industries Inc	1	15⅛	Sale	16⅞	Sale	16⅝	Sale	15⅝ July 19	17⅜ July 9	14½ Jan 11	18⅜ Jun 21
87,600	1,173,900	Atlas Corporation com	1	2¼	Sale	2¾	Sale	2¾	Sale	2⅝ July 1	3 July 5	2⅛ Jan 2	3 May 31
2,100	68,900	5% preferred	20	14⅞	15	16½	17	16½	16¾	16½ July 24	17⅛ July 11	14⅞ Jan 3	17¼ Apr 18
14,400	332,100	Austin Nichols & Co com	*	19	Sale	22¼	Sale	20¾	Sale	19⅜ July 15	23 July 2	17¾ Jan 8	28⅜ May 16
700	30,600	$1.20 conv prior pref	*	28	Sale	30	33	28	29¾	27½ July 25	29 July 9	25⅛ Jan 28	38⅞ May 16
119,800	1,497,800	Automatic Canteen	2.50	14¼	Sale	15⅜	Sale	13⅝	Sale	13⅝ July 31	15⅜ July 1	13⅜ Apr 4	17¼ Jan 23
45,800	154,400	Automatic Retailers of America	50c	—	—	35¾	Sale	33	Sale	32 July 29	37½ July 5	32 July 29	41½ Jun 12
247,200	2,172,200	Avco Corp	3	25⅛	Sale	28	Sale	26	Sale	25⅝ July 22	28⅞ July 9	23 Mar 1	29¼ Jun 12
68,000	1,247,300	Avnet Electronics Corp	5c	21½	Sale	17¼	Sale	17¼	Sale	16⅞ July 1	18⅝ July 10	15½ May 21	24½ Mar 18
70,600	193,400	Babbitt (B T) Inc	1	5½	5¾	4⅝	Sale	4⅞	Sale	4¼ July 2	5½ July 15	4¼ July 2	5⅞ Jan 7
34,800	290,300	Babc'k & Wilcox Co (The)	9	49	Sale	56	Sale	54⅜	Sale	54 July 31	58 July 10	46¼ Feb 5	58 July 10
41,900	340,100	Baker Oil Tools Inc	1	12⅝	Sale	11¼	Sale	10⅛	Sale	10⅛ July 24	11½ July 5	10⅛ July 24	14⅜ Jan 24
69,700	704,000	Baldwin-Lima-Hamilton	13	13⅛	Sale	13½	Sale	12⅛	Sale	11⅝ July 25	13⅝ July 1	11⅝ July 25	14⅝ May 22
50,400	426,100	Baltimore Gas & Elec Co— Common	*	32⅝	Sale	34½	Sale	33¼	Sale	32½ July 24	35 July 5	32½ July 24	36¼ Feb 7
1,230	7,720	4½% pfd series B	100	100¾	Sale	102¾	Sale	101½	101⅞	101 July 17	102¾ July 1	100 Mar 18	106½ Feb 6
890	3,030	4% pfd series C	100	88	90	91½	92½	90	90½	88½ July 12	92½ July 5	88 Jan 3	94 May 28
6,200	97,400	Baltimore & Ohio com	100	28⅛	Sale	37½	Sale	37	Sale	36½ July 24	38 July 11	26½ Jan 16	40⅜ May 17
1,300	28,000	4% non-cum pfd	100	47⅛	Sale	51¾	52½	50	51	50½ July 29	52¼ July 10	46⅜ Jan 2	53⅜ May 29
8,500	90,700	Bangor & Aroostook Corp	1	12¼	12⅝	17⅜	Sale	17½	Sale	17¼ July 24	19¼ July 5	12 Jan 3	19¼ July 5
6,500	64,900	Barber Oil Corp	10	71	Sale	83¼	Sale	84¼	Sale	81¾ July 29	87 July 9	71 Jan 2	92 May 3
8,300	73,700	Basic Inc common	1	10¼	Sale	11	Sale	10¼	Sale	9⅞ July 30	11⅜ July 8	9⅞ July 30	12¼ Feb 25
3,240	8,740	5% conv preferred	50	40½	Sale	44½	Sale	44	Sale	44 July 31	46⅛ July 24	39½ Jan 7	46¼ Feb 25
5,500	58,400	Basic Products Corp	1	13½	Sale	13⅜	Sale	13¼	Sale	13 July 15	13⅜ July 1	12¾ Apr 22	15⅛ Jan 29
4,900	64,400	Bath Iron Works Corp	10	40¾	Sale	38	Sale	36⅝	Sale	36⅛ July 15	38⅛ July 2	36⅛ July 15	45¾ Jan 9
19,200	165,200	Bausch & Lomb Inc	10	27⅛	Sale	30	Sale	30⅛	Sale	29⅝ July 29	33⅜ July 3	26 Jan 21	33⅜ July 3
35,100	351,700	Baxter Labs Inc	1	24¼	Sale	25⅜	Sale	24	Sale	23 July 26	25¾ July 5	22¼ Mar 6	27⅞ Jun 13
15,700	97,500	Bayuk Cigars Inc	*	43¼	Sale	40¾	Sale	40⅛	Sale	40 July 29	42 July 8	39⅝ Jun 7	47½ Jan 10
34,800	129,900	Beam (James B) Distilling	2	38⅜	Sale	36¾	Sale	41½	Sale	36¾ July 1	42⅝ July 5	35¼ Apr 5	42⅝ July 5
30,200	‡123,800	Beatrice Foods Co— Common	*	—	—	46½	Sale	48⅜	Sale	46½ July 1	48⅜ July 31	‡45¼ Apr 18	49⅞ Mar 14
120	2,110	4½% preferred	100	99¾	100¾	100½	101¼	102	104½	101¼ July 15	101½ July 25	100 Jan 3	103½ Mar 7
28,700	299,400	Beaunit Corp	2.50	21	Sale	24	Sale	24⅞	Sale	23½ July 2	25½ July 11	20¾ Mar 6	25¾ Jun 25
199,800	764,700	Beckman Instruments Inc	1	105⅝	Sale	81¾	Sale	72⅛	Sale	70½ July 19	86½ July 5	70½ July 19	115¾ Jan 14
690	3,610	Beck Shoe 4¾% pfd	100	64	66½	57½	Sale	62½	64	57½ July 1	62½ July 30	57½ July 1	66 Jan 15
32,900	273,500	Beech Aircraft Corp	1	15⅞	Sale	14¼	Sale	13¼	Sale	13¼ July 30	14½ July 1	13¼ July 30	16¾ Jan 8
200	1,090	Beech Creek RR Co	50	34	35	35½	37	36½	Sale	35⅜ July 3	46⅝ July 10	33½ Apr 10	37 Jun 13
39,100	410,800	Beech-Nut Life Savers	5	34½	Sale	38¾	Sale	41½	41⅞	38¼ July 1	42⅛ July 25	34½ Jan 2	43⅛ May 14
97,000	624,400	Belco Petroleum Corp	1	13⅛	Sale	18	Sale	18⅛	Sale	17½ July 25	19½ July 2	12⅝ Jan 8	19½ July 2
9,400	46,800	Belding-Hemingway	1	19⅞	20⅜	19¼	Sale	19¼	Sale	18¾ July 1	20 July 24	18¼ Apr 26	20⅞ Jan 18
15,600	280,900	Bell & Gossett Co	2	13⅜	Sale	21⅜	Sale	22⅛	Sale	21⅜ July 1	22½ July 11	13¼ Jan 3	22½ July 11
126,200	1,789,800	Bell & Howell Co	5	23⅛	Sale	26⅜	Sale	23¾	Sale	23 July 22	26¾ July 1	21⅛ Mar 29	30⅜ Jun 13
25,900	292,000	Bell Intercontinental Corp	1	9¼	Sale	11½	Sale	10⅝	Sale	10⅝ July 24	11½ July 1	9 Jan 2	12 May 28
52,200	474,600	Bendix Corp	5	55	Sale	52½	Sale	50¼	Sale	50¼ July 31	53¼ July 5	50¼ July 31	59¼ Jan 24
53,500	363,000	Beneficial Finance Co com	1	51¼	Sale	57⅝	Sale	58½	Sale	56¾ July 3	59⅜ July 25	49⅝ Jan 15	60 Apr 19
1,200	16,900	5% preferred	50	51¾	Sale	53¼	54¼	51	Sale	51 July 31	53¾ July 8	51 July 31	55¼ Jun 3
2,000	10,200	$4.50 conv pfd	100	114½	116	121½	125	122¼	Sale	120 July 23	123¾ July 9	114½ Mar 1	125¼ Jun 19
67,100	615,200	Benguet Consol Min	2 pesos	1⅜	Sale	1⅜	Sale	1⅜	Sale	1¼ July 1	1⅜ July 1	1¼ Jan 2	1½ Feb 6
43,800	188,100	Berman Leasing Co	1	—	—	22	Sale	23¾	Sale	21½ July 1	25⅜ July 15	17⅛ Apr 17	25⅜ July 15
11,100	75,900	Best & Co Inc	1	32¾	Sale	31⅜	Sale	32¾	Sale	31⅜ July 1	34½ July 19	30½ Jun 10	35⅞ Jan 15
37,000	300,500	Bestwall Gypsum Co	40c	27⅛	Sale	33	Sale	32¼	Sale	32 July 22	34¼ July 18	26¾ Jan 2	34¼ Apr 8
305,600	2,162,700	Bethlehem Steel Corp— Common	5	28¾	Sale	30½	Sale	29⅝	Sale	29⅝ July 31	30¾ July 1	28¾ Jan 2	34¾ Apr 16
2,900	32,400	7% preferred	100	150¾	151¾	156	Sale	156	156½	154½ July 16	156 July 1	153 Jan 4	160 Jun 3
15,900	221,200	Bigelow-Sanford common	5	21¼	Sale	26¼	Sale	26½	Sale	24⅛ July 29	27 July 31	20¾ Jan 3	28½ Jun 11
180	930	4½% pfd ser of 1951	100	87	87½	89	91½	88¼	90½	89 July 3	89¼ July 29	86¼ Mar 27	91 Jun 11
8,400	105,200	Black & Decker Mfg Co	50c	51½	52½	59	Sale	57	57¾	55½ July 23	59 July 1	51¼ Jan 8	60¼ Jun 6
37,000	279,100	Blaw-Knox Co	10	27⅝	Sale	27¾	Sale	26⅜	Sale	26¼ July 22	28⅜ July 25	26¼ July 22	33¾ Apr 16
4,400	55,700	Bliss & Laughlin Inc	2.50	22¼	Sale	24⅛	Sale	25⅜	Sale	24⅛ July 1	25⅜ July 31	21⅞ Jan 2	26¾ Apr 15
28,400	498,600	Bliss (E W) Co	50c	12¾	Sale	14¾	Sale	13⅞	Sale	13⅞ July 31	15¼ July 8	12⅜ Jan 2	16⅞ Apr 23
31,200	309,700	Bobbie Brooks Inc	*	23⅜	Sale	23¾	Sale	23½	Sale	23 July 26	25⅜ July 12	22⅝ Jan 2	27¾ Jan 14
192,800	1,432,900	Boeing Co (The)	5	37⅛	Sale	35⅜	Sale	32⅞	Sale	30½ July 26	35⅞ July 5	30½ July 26	40⅜ Feb 4
10,800	64,000	Bohn Alum & Brass Corp	5	30⅝	30¾	34½	34¾	33⅝	Sale	31⅝ July 25	35⅜ July 9	30¼ Jan 4	38⅞ May 15
13,200	140,200	Bond Stores Inc	1	18¾	Sale	19⅞	Sale	19½	Sale	19½ July 1	20⅛ July 17	18 Mar 14	20½ May 22
6,800	43,000	Book-of-the-Month Club Inc	1.25	22⅛	Sale	20⅝	21	20	Sale	19⅝ July 26	21⅛ July 9	19⅝ July 26	23¾ Jan 9
61,000	422,500	Borden Co (The)	7.50	57½	Sale	63½	Sale	63	Sale	60½ July 22	64⅜ July 1	57 Mar 18	67½ May 24
92,000	597,600	Borg-Warner Corp com	5	42⅜	Sale	45½	Sale	43¼	Sale	42⅝ July 29	46¾ July 8	41⅛ Jan 8	47⅞ Jun 13
270	1,610	3½% preferred	100	84½	85	87	88¾	87½	88½	86 July 17	87¾ July 3	85 Jan 11	87¾ Jun 12
55,300	284,000	Borman Food Stores Inc	1	10⅞	Sale	13	Sale	13⅛	Sale	13 July 1	13⅝ July 8	10⅜ Mar 4	14⅝ May 9
38,600	267,700	Boston Edison Co	10	35⅞	Sale	42¾	Sale	42⅞	Sale	41⅞ July 24	42⅞ July 1	35⅞ Jan 2	43⅞ May 21
5,500	51,900	Boston & Maine RR com	*	3⅜	Sale	4½	Sale	4⅛	4⅜	3¾ July 29	4½ July 1	3⅜ Jan 2	5½ Feb 14
7,300	50,200	5% preferred	100	5⅝	Sale	8¼	Sale	7½	Sale	6¾ July 23	8¼ July 1	5⅞ Jan 2	9¾ Feb 13
14,000	165,300	Brach (E J) & Sons	*	34½	Sale	33⅞	Sale	33½	Sale	33 July 1	35 July 9	28½ May 21	35 Jun 25
43,500	905,400	Braniff Airways Inc	2.50	10½	Sale	11⅞	Sale	12¼	Sale	11⅝ July 1	12¾ July 18	9⅞ Apr 16	13⅞ Jun 13
13,500	177,500	Briggs Manufacturing	3.50	5⅛	Sale	6⅛	Sale	5⅝	Sale	5⅜ July 23	6⅛ July 1	4½ Feb 4	6⅜ Jan 14
16,100	178,600	Briggs & Stratton	3	36⅝	37⅜	42¾	Sale	41¼	Sale	41 July 29	44⅛ July 10	37⅜ Jan 3	47 Jan 30
56,800	386,100	Bristol-Myers Co com	1	87	Sale	99	Sale	105	Sale	97 July 1	107¼ July 31	85⅞ Jan 26	107¼ July 31
----	390	3¾% preferred	100	88	91½	92½	94½	92½	94½	-- ------	-- ------	87½ Jan 2	93¼ Jun 24
24,900	155,000	Brooklyn Union Gas	10	37	Sale	44¾	Sale	44⅛	Sale	43 July 22	46 July 9	36½ Jan 3	46 July 9
1,470	10,730	5.50% pfd series A	100	111½	112	113	Sale	113¼	114	112¼ July 1	114¾ July 26	111½ Jan 4	114¾ July 26
5,400	33,100	Brown Shoe Inc	15	85½	Sale	85¼	Sale	85⅝	Sale	85¼ July 1	87 July 11	85¼ July 1	93¾ Jan 10

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
604,700	4,533,700	Brunswick Corp	*	18⅞	Sale	15¼	Sale	12¾	Sale	12¾ July 31	15⅜ July 3	12¾ July 31	20⅝ Jan 8
13,400	‡38,700	Buckeye Pipe Line	*	--	--	29¼	Sale	29⅞	Sale	29 July 8	30 July 5	‡28½ Jun 27	33⅛ May 7
38,200	428,200	Buckingham Corp cl A	1	28⅛	Sale	27⅜	Sale	28¼	Sale	27⅛ July 1	29⅜ July 30	25 Jan 28	31¾ May 16
27,300	273,600	Bucyrus Erie Co	5	15	Sale	15⅞	Sale	16⅜	Sale	15½ July 1	16½ July 30	14⅞ Jan 2	18⅛ May 13
84,100	939,200	Budd (The) Co common	5	11⅞	Sale	15⅜	Sale	13¾	Sale	14⅝ July 29	15½ July 2	11¾ Jan 2	16 Jun 25
600	3,400	$5 preferred	*	79½	Sale	89¾	Sale	91¼	92¼	89¾ July 1	92 July 30	79½ Jan 2	92 July 30
1,200	40,400	Buffalo Forge Co	1	29	Sale	30⅛	30¾	30¼	Sale	30 July 9	31½ July 3	28⅜ Jan 7	37 Jan 15
20,500	276,300	Bullard Co	10	10⅜	Sale	15⅝	Sale	14⅝	Sale	14⅛ July 23	16 July 5	10⅜ Jan 2	17⅞ May 13
11,000	122,000	Bullock's Inc	5	59	Sale	60	Sale	62⅞	Sale	60 July 1	64 July 10	55 Jan 17	64 July 10
66,400	396,800	Bulova Watch Co Inc	5	9⅞	Sale	14⅛	Sale	14⅞	Sale	14⅛ July 1	16½ July 11	9¾ Jan 2	16½ July 11
157,900	2,029,200	Burlington Industries com	1	25⅞	Sale	34⅝	Sale	36	Sale	34 July 9	36¼ July 31	25⅞ Jan 2	36¼ July 31
13,700	154,300	Burndy Corp	1	14⅜	Sale	18⅛	Sale	17⅛	Sale	16½ July 24	18¾ July 5	13¾ Mar 15	19½ Jun 20
168,800	1,685,900	Burroughs Corp	5	28½	Sale	29⅛	Sale	26⅜	Sale	26 July 24	29⅜ July 5	26 July 24	34 Feb 18
1,193,700	1,193,700	Rights		--	--	--	--	¼	Sale	3/32 July 24	⅜ July 19	3/32 July 24	⅜ July 19
3,700	40,100	Bush Terminal Co	1	21	Sale	19¼	19⅜	19⅛	19⅜	19⅛ July 22	19½ July 5	18½ Mar 19	21 Jan 2
1,500	26,100	Byers (A M) Co	33⅓	9⅝	10	9⅛	9½	9⅛	Sale	9⅛ July 24	9½ July 9	9 Mar 27	10⅞ Jan 9
61,100	904,800	Calif Financial Corp	1	8⅜	Sale	9	Sale	8¾	Sale	8⅝ July 22	9⅜ July 9	8 Jan 2	11½ Apr 11
42,900	410,700	California Packing	2.50	24⅜	Sale	30	Sale	31	Sale	30 July 1	32¼ July 11	23⅝ Apr 24	32¼ July 11
137,000	444,200	Callahan Mining Corp	1	4⅝	Sale	5⅞	Sale	6⅝	Sale	5⅞ July 1	7⅛ July 9	4½ Jan 3	7⅛ July 9
35,500	247,900	Calumet & Hecla Inc	5	11¾	Sale	12⅜	Sale	12⅛	Sale	11⅝ July 23	12⅝ July 3	11 May 7	13⅜ Jan 29
76,900	288,700	Campbell Red Lake Mines	1	12⅞	Sale	15½	Sale	15⅞	Sale	14¾ July 18	16⅛ July 12	12⅞ Jan 2	16⅛ July 12
44,000	275,800	Campbell Soup Co	1.80	96¼	Sale	95⅜	Sale	98⅛	Sale	93¾ July 23	99¾ July 31	92½ Apr 17	107½ Jan 28
21,700	198,200	Canada Dry Corp com	1.66⅔	21½	Sale	23⅛	Sale	22⅞	Sale	22⅜ July 11	23⅜ July 25	21½ Jan 2	24¾ May 14
310	3,780	$4.25 conv preferred	*	91⅜	93	93	93¾	93½	93⅞	93½ July 5	93⅞ July 5	91½ Jan 4	94¼ May 22
180	2,230	Canada Southern Ry Co	100	49½	50	54½	55	53	53½	53½ July 22	55 July 15	50 Jan 3	55 Apr 25
29,300	252,900	Canadian Breweries	*	10⅛	Sale	9⅝	Sale	9¼	Sale	9 July 19	10 July 3	9 July 19	10¾ May 3
190,500	810,800	Canadian Pacific Ry	25	22⅝	Sale	29	Sale	28¼	Sale	27⅜ July 18	30⅝ July 10	22⅝ Jan 2	30⅝ July 10
7,600	88,400	Carborundum (The) Co	5	46¼	Sale	45	Sale	41¾	Sale	41½ July 30	46¼ July 3	41½ July 30	49½ Apr 10
11,800	86,800	Carey (Phillip) Mfg Co	10	26¼	Sale	25¾	Sale	25⅜	Sale	24⅛ July 30	25¾ July 1	24⅛ May 2	29⅝ Feb 12
10,000	135,000	Carlisle Corp	*	14⅞	Sale	13¼	Sale	13⅛	Sale	13 July 1	13½ July 9	12¾ Jun 19	15½ Apr 8
860	3,680	Caro Clinch & Ohio Ry	100	101¾	Sale	107	Sale	105¾	106¾	105½ July 24	107 July 1	101¾ Jan 2	108 May 21
16,600	184,500	Carolina Power & Light	*	62	Sale	65⅞	Sale	66	Sale	65⅜ July 23	67¾ July 9	60¾ Jan 10	70 May 3
11,000	131,300	Carpenter Steel Co	5	36⅜	Sale	34½	Sale	35¼	Sale	34¼ July 8	35¾ July 18	33⅛ Mar 27	41¼ Jun 4
30,500	253,300	Carrier Corp common	10	37¼	Sale	39⅜	Sale	37¾	Sale	36 July 23	40⅜ July 11	36 July 23	43⅝ May 9
470	5,560	4½% preferred	50	48	Sale	49½	Sale	49½	50	49¼ July 18	50⅜ July 10	48 Jan 2	50½ Apr 29
1,600	12,800	Carriers & General Corp	1	29	30	32⅛	Sale	32¾	33¼	32 July 5	33¼ July 18	29½ Jan 3	34¾ Jan 22
103,500	337,900	Carter Products Inc	1	54	Sale	57¼	Sale	68¾	Sale	56⅜ July 1	71⅝ July 26	54 Jan 2	71⅝ July 26
103,300	1,266,900	Case (J I) common	1	7	Sale	9⅛	Sale	9⅛	Sale	7¾ July 23	9⅝ July 31	7 Jan 2	10⅝ May 23
2,060	288,380	7% preferred	100	64½	Sale	70	Sale	68⅛	Sale	66½ July 30	71 July 2	64½ Jan 2	80⅞ Jan 9
18,700	278,900	6½% 2nd pfd	7	3¼	Sale	4	Sale	3⅞	Sale	3⅝ July 15	4 July 1	3¼ Jan 2	4½ May 28
173,900	1,187,300	Caterpillar Tractor com	*	37⅛	Sale	42⅞	Sale	43⅜	Sale	41⅝ July 29	46⅛ July 11	34⅝ Mar 1	46⅞ Jun 5
2,800	33,000	Ceco Steel Products Corp	10	19⅞	20¼	24⅝	Sale	25	25⅛	23⅝ July 22	25⅜ July 25	20⅜ Jan 3	26⅜ May 2
148,300	1,192,800	Celanese Corp of Am com	*	38⅝	Sale	45	Sale	48½	Sale	44¼ July 1	50½ July 31	36½ Mar 4	50½ July 31
440	2,200	7% 2nd preferred	100	132½	133⅞	140¼	142½	145¾	Sale	142 July 10	146½ July 23	133⅛ Jan 8	146½ July 23
11,100	89,200	4½% conv pfd ser A	100	90	Sale	94¼	Sale	94½	Sale	93 July 19	94½ July 2	90 Jan 2	95¼ Jun 19
2,700	96,700	Celotex Corp common	1	21⅛	Sale	28¼	Sale	26⅜	Sale	26⅜ July 31	28¼ July 1	21 Jan 2	30⅜ May 21
2,800	20,900	5% preferred	20	15¾	Sale	18¼	Sale	17¾	18	17½ July 17	18½ July 2	15¾ Jan 2	18½ July 2
35,800	292,000	Cenco Instruments Corp	1	39¼	Sale	45½	Sale	42¼	Sale	40½ July 24	47 July 5	38¾ Jan 2	51 Jun 5
19,200	377,400	Central Aguirre Sugar Co	5	22¼	Sale	30	Sale	27	Sale	27 July 31	30⅜ July 3	22 Jan 15	35¼ May 22
8,300	56,500	Central Foundry Co	1	15¼	Sale	17⅝	Sale	17⅞	Sale	16⅞ July 11	18 July 31	15¼ Jan 2	18¾ May 20
400	2,800	Central of Ga Ry com	*	50	51½	53¼	54	53	54¼	53⅜ July 8	53⅝ July 11	47 May 23	53⅜ July 11
200	10,000	5% pfd series B vtc	100	77½	Sale	80½	82	80⅞	82	81 July 11	81 July 11	73 May 3	81 July 11
13,000	151,000	Central Hudson Gas & Elec	*	33¾	Sale	36	Sale	35⅝	Sale	35¼ July 24	38⅛ July 15	33 Jan 7	38⅛ July 15
17,700	132,100	Central Illinois Light com	*	46½	Sale	48¼	Sale	49¼	Sale	48 July 10	49¼ July 12	45½ May 31	49⅞ Apr 22
1,160	6,020	4½% preferred	100	99¼	100	99¼	Sale	100¼	101½	99⅛ July 3	101½ July 29	98¾ Jan 7	102¼ Apr 4
36,700	317,300	Central Illinois Pub Serv	*	24¼	Sale	25⅛	Sale	24	Sale	23¼ July 16	25¼ July 1	22½ Mar 11	26¾ May 1
71,000	476,490	Cent & South West Corp	2.50	41⅜	Sale	44	Sale	43½	Sale	43 July 2	45¾ July 9	41⅛ Jan 2	47¼ Feb 7
16,900	136,300	Central Soya Co	*	30	Sale	28¼	Sale	27⅞	Sale	27¼ July 24	29½ July 12	27¼ July 24	32 Jan 22
3,000	109,300	Century Industries Co	*	13½	Sale	11	Sale	10⅝	10⅞	10¾ July 29	11 July 1	10⅝ Jun 21	14¾ Jan 23
96,700	602,700	Cerro Corp	5	19⅛	Sale	25	Sale	26⅞	Sale	24¾ July 1	27⅞ July 8	19⅛ Jan 2	28½ Jun 3
79,300	896,200	Certain-teed Products	1	15⅞	Sale	14⅝	Sale	14⅝	Sale	13¾ July 17	14¾ July 2	13¾ Jun 6	19¾ Feb 6
28,400	517,500	Cessna Aircraft Co	1	21	Sale	22	Sale	21	Sale	21 July 1	22½ July 5	20½ Mar 20	25½ May 23
39,700	510,200	Chadbourn Gotham Inc	1	4⅜	Sale	3⅞	Sale	3¾	Sale	3¾ July 5	4⅛ July 9	3¾ Mar 11	4¾ Mar 13
8,300	84,800	Chain Belt Co	10	33½	Sale	44¾	Sale	43¾	Sale	42¾ July 25	44⅞ July 5	33½ Jan 2	47¼ May 31
54,400	458,900	Champion Papers Inc com	*	25⅜	Sale	27⅝	Sale	27⅜	Sale	27 July 29	29⅛ July 5	25⅛ Jan 2	30¼ May 10
790	8,610	$4.50 preferred	*	99	Sale	100	Sale	100½	102	99⅞ July 1	101 July 8	96¼ Jan 22	102½ May 24
24,200	496,300	Champion Spark Plug Co	1⅔	33	Sale	38⅜	Sale	37⅞	Sale	37⅜ July 29	39¾ July 9	32⅝ Jan 2	40¼ May 16
134,300	937,500	Champlin Oil & Refin Co	1	30½	Sale	33	Sale	34	Sale	31⅞ July 10	34 July 31	29½ Feb 12	34¾ Jan 17
62,500	163,500	Checker Motors Corp	1.25	21⅜	Sale	22⅝	Sale	26⅜	Sale	22 July 23	26⅝ July 31	20⅝ May 14	26⅝ July 31
50,600	273,200	Chemetron Corp	1	18½	Sale	20⅞	Sale	22	Sale	20⅝ July 1	22¾ July 25	18½ Jan 2	22¾ May 13
267,900	813,800	Chemway Corp	1	5⅝	Sale	9¼	Sale	10⅜	Sale	9⅛ July 1	11⅝ July 10	5½ Jan 2	11⅝ July 10
6,600	32,200	Chesapeake Corp of Va	5	36¾	37¼	41	Sale	40½	41	40¼ July 26	43 July 3	37 Jan 3	44 Mar 25
94,400	778,700	Chesapeake & Ohio com	25	51½	Sale	61⅞	Sale	62⅛	Sale	60⅜ July 24	63½ July 3	51⅜ Jan 2	64⅛ May 27
----	700	3½% conv preferred	100	84⅛	98	96	103	95	104	-- ------	-- ------	92 Mar 7	100 May 2
25,500	259,100	Chesebrough-Pond's Inc	2	52½	Sale	60½	Sale	60½	Sale	59½ July 1	61¼ July 29	51¾ Jan 2	61⅝ Jun 14
9,800	37,200	Chicago & Eastern Ill RR	*	9	Sale	12⅜	Sale	14	Sale	12¼ July 5	14⅞ July 31	9 Jan 2	14⅞ July 31
870	3,850	Class A	40	16⅜	17	18	20	22½	Sale	18 July 12	22½ July 31	16½ Jan 14	22½ July 31
12,200	142,700	Chicago Great Western	50	14½	Sale	25¼	Sale	23¾	Sale	22⅝ July 19	26¼ July 3	14½ Jan 2	27⅜ Jun 25
4,100	58,500	5% preferred	50	29¼	30	37¾	37⅞	36½	37	36½ July 30	38⅛ July 5	29½ Jan 17	38¾ May 8
63,200	597,500	Chic Milw St Paul & Pac RR Co common	*	9⅜	Sale	14⅞	Sale	14¼	Sale	13½ July 25	15⅝ July 3	9⅜ Jan 2	16⅛ Jun 25
5,300	54,400	5% ser A non-cum pfd	100	50¾	51¼	62½	Sale	63	Sale	61¼ July 24	63½ July 2	51¼ Jan 3	65¼ Jun 3
86,900	443,600	Chic & North Western RR	*	13¼	Sale	24¾	Sale	25⅞	Sale	23¼ July 1	27½ July 17	13⅛ Jan 2	27⅞ Jun 25
86,500	379,800	5% preferred series A	100	20⅜	Sale	40¾	Sale	44⅜	Sale	39¼ July 1	46 July 17	20⅜ Jan 2	46 July 17
24,900	307,600	Chicago Pneumatic Tool	8	27¼	Sale	31¼	Sale	30⅝	Sale	30⅛ July 29	31⅞ July 9	26½ Jan 3	34⅜ Jun 3
90,400	751,000	Chic Rock Isl & Pac RR	*	18⅞	Sale	25⅞	Sale	24⅞	Sale	24⅞ July 8	26¼ July 18	18½ Jan 2	26⅜ Jun 25
87,530	101,280	Chicago Yellow Cab	*	23⅝	Sale	25½	Sale	37	Sale	24½ July 2	38½ July 29	22 Feb 20	38½ July 29
900	13,300	Chickasha Cotton Oil	5	18⅛	18⅞	22¼	22⅝	21¼	Sale	21¼ July 31	22¼ July 19	18⅛ Jan 4	23¾ May 13
48,100	560,000	Chock Full O'Nuts Corp	25c	16⅛	Sale	18¼	Sale	15¾	Sale	15¾ July 31	18¼ July 1	15 Mar 19	19¼ Jun 19
45,100	578,700	Chris-Craft Industries	1	12⅞	Sale	13⅝	Sale	13¼	Sale	12⅛ July 24	13⅝ July 1	12⅛ July 24	18¾ Apr 15
1,772,900	‡4 584 500	Chrysler Corp	12.50	--	--	63¾	Sale	57⅝	Sale	57 July 12	64¼ July 3	‡51 May 6	69¼ Jun 5
57,100	‡128,200	Cincinnati G & E com	8.50	--	--	26⅛	Sale	25⅛	Sale	25 July 22	27⅛ July 9	‡25 July 22	28¼ Apr 29
1,280	11,020	4% preferred	100	91⅛	Sale	93½	Sale	93½	Sale	92¼ July 8	94½ July 11	90 Mar 22	94½ Jun 12
230	5,050	4¾% preferred	100	105	106½	104	105½	104	104⅞	104¾ July 24	105½ July 2	104 Feb 27	106¾ Jun 13
17,100	124,100	Cincinnati Milling Mach	10	39⅜	Sale	45⅜	Sale	39⅛	Sale	38¾ July 22	46⅜ July 3	36¼ Mar 20	49⅝ May 13
98,600	953,700	C I T Financial Corp	*	43½	Sale	44	Sale	41¾	Sale	41½ July 30	44⅜ July 2	41¼ Mar 20	46¼ Feb 26
112,000	754,000	Cities Service Co com	10	56⅞	Sale	65⅝	Sale	70⅞	Sale	65⅝ July 1	71 July 31	55⅝ Jan 2	71 July 31
17,100	92,200	$4.40 conv preferred	*	106½	Sale	113¼	Sale	118	Sale	112¼ July 1	118 July 31	106 Jan 4	118 July 31
103,000	143,300	$2.25 conv preference	*	--	--	59⅞	Sale	63⅞	Sale	59½ July 2	64⅜ July 31	59 Jun 27	64⅜ July 31
4,700	59,000	City Investing Co	5	21⅛	Sale	24⅜	24⅞	23	Sale	21⅞ July 25	24½ July 3	20⅞ Jan 2	26½ Jan 30
21,200	192,800	City Products Corp	*	25⅜	Sale	29⅞	Sale	30½	Sale	29¼ July 9	30½ July 31	24¾ Jan 3	31 Feb 14
14,200	112,500	City Stores Co	5	8¾	Sale	8	Sale	8⅛	Sale	8 July 1	8⅝ July 12	7⅞ Jun 27	9⅞ Jan 11
80,400	579,200	Clark Equipment Co	10	30½	Sale	42⅝	Sale	40¼	Sale	38¾ July 23	43¾ July 2	29⅝ Feb 5	45 Jun 4
8,200	60,300	Cleveland-Cliffs Iron Co	1	37⅜	Sale	44	Sale	43¾	Sale	43 July 15	44½ July 3	37⅜ Jan 2	45⅞ May 16
47,900	‡102,400	Cleve Elec Illum new com	*	--	--	33¾	Sale	33⅝	Sale	32⅛ July 24	34 July 12	‡31⅞ Jun 7	34¾ Jun 24
1,300	10,010	$4.50 preferred	*	101⅞	Sale	102½	Sale	106½	--	101 July 15	106½ July 24	99 Apr 17	106½ July 24
420	2,670	Clev & Pitts RR Co 7% gtd	50	63	64	67½	Sale	69	70	67½ July 1	70⅛ July 22	64 Jan 8	70⅛ July 22
320	2,590	Special gtd 4% stock	50	36⅛	37	40	Sale	40	Sale	39½ July 10	40 July 1	36⅛ Jan 22	40¼ Jun 27
36,900	408,800	Clevite Corp	1	38⅞	Sale	42	Sale	38	Sale	36⅝ July 22	43 July 5	36⅝ July 22	46¼ Jun 11
30,800	189,300	Cluett Peabody & Co— Common	3.25	45½	Sale	44⅛	Sale	47½	Sale	44⅛ July 1	48¼ July 12	42 Mar 1	48¼ July 12
180	2,050	7% preferred	100	140	141	142	Sale	143	143¼	142 July 1	143¼ July 17	140 Mar 27	147 May 14
124,000	834,800	Coastal States Gas Pro	33⅓	--	--	35⅞	Sale	35⅝	Sale	33 July 22	37⅝ July 5	28¾ Feb 20	39¾ Jun 13
46,700	416,800	Coca-Cola Co	*	85¼	Sale	93¾	Sale	95½	Sale	93¼ July 2	95¾ July 11	84½ Jan 3	96¾ May 9
12,900	96,400	Coca-Cola Bottling Co N Y	1	20⅜	Sale	22	Sale	21¼	Sale	21 July 24	22⅜ July 1	20⅜ Jan 2	24 Jan 21
36,300	590,300	Colgate-Palmolive com	1	44	Sale	56¼	Sale	--	--	54⅝ July 2	56⅝ July 12	41⅜ Jan 21	58¼ Jun 17
58,700	‡58,700	New common	1	--	--	44	44¾	45⅛	Sale	44⅛ July 26	46⅝ July 17	‡44⅛ July 26	46⅝ July 17
640	4,790	$3.50 preferred	*	81	Sale	82	82¾	81	82	80½ July 23	82⅝ July 5	80 Apr 17	84⅞ Mar 4
79,100	539,200	Collins & Aikman Corp	*	34	Sale	40⅝	Sale	47¾	Sale	40⅛ July 1	48½ July 31	31⅝ Apr 5	48½ July 31
114,700	1,250,400	Collins Radio Co	1	22⅞	Sale	29¾	Sale	26⅛	Sale	25¾ July 22	30½ July 3	22¾ Jan 2	35⅜ Jun 4
34,700	280,900	Colonial Corp of America	50c	--	--	20⅞	Sale	19⅛	Sale	18⅞ July 26	21¼ July 2	§18⅝ Mar 15	23⅝ May 15
78,400	984,600	Colorado Fuel & Iron com	5	8¾	Sale	9⅛	Sale	8¾	Sale	8⅜ July 19	9¼ July 1	8⅜ July 19	10⅞ Apr 16
1,200	12,000	5½% preferred ser B	50	32⅛	33⅜	36⅞	Sale	36⅜	Sale	35 July 23	37 July 2	32⅞ Jan 3	39 Apr 19

For footnotes, see page 29.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
570	7,240	Colorado & Southern— 4% non-cum 1st pfd	100	42	Sale	57	Sale	56½	58	55½ July 2	57 July 1	41 Jan 7	60 Jun 14
187,700	1,551,400	Columbia Broadcasting System	2.50	44½	Sale	58¾	Sale	65	Sale	57⅞ July 2	65½ July 31	42½ Jan 7	65½ July 31
78,900	830,700	Columbia Gas System	10	26⅞	Sale	30	Sale	29⅝	Sale	29⅛ July 23	30¼ July 3	26⅝ Jan 2	30½ Jun 12
33,000	500,000	Columbia Pictures com	5	23½	Sale	26¼	Sale	23½	Sale	23½ July 31	26¼ July 1	22¼ Jan 8	29½ May 10
170	2,250	$4.25 preferred	*	77¼	Sale	83	Sale	81½	82½	81¾ July 29	83 July 1	77¼ Jan 2	83 Feb 8
20,300	118,700	Columbus & So Ohio Elec	5	67	Sale	68½	Sale	69⅜	Sale	68½ July 1	70½ July 3	67 Jan 2	74 Feb 25
34,300	328,100	Combustion Engineering	1	25¼	Sale	28	Sale	26⅝	Sale	25¾ July 24	29 July 8	24⅝ Mar 19	29⅜ May 22
61,000	421,100	Commercial Credit com	5	44⅞	Sale	43⅜	Sale	43	Sale	40¼ July 19	43½ July 11	40¼ July 19	48¾ Feb 18
1,200	11,300	4½% conv preferred	100	—	—	106	Sale	106¼	106½	106 July 1	107½ July 10	105¾ Jan 21	111¼ Feb 19
62,100	532,200	Commercial Solvents	1	24	Sale	23⅜	Sale	24½	Sale	22¼ July 17	24½ July 31	22 Mar 20	27⅞ Jan 29
80,200	554,100	Commonwealth Edison	12.50	44⅜	Sale	47⅞	Sale	49¼	Sale	47⅝ July 1	49⅜ July 8	44¼ Jan 2	50⅜ Feb 14
34,500	132,200	Conde Nast Publications	*	9	Sale	9½	Sale	11⅝	Sale	9½ July 1	11¾ July 15	8⅞ Jan 21	11¾ July 15
29,700	379,600	Cone Mills Corp	10	12	Sale	12¼	Sale	12⅝	Sale	12 July 1	12⅞ July 31	10¼ May 3	14¾ May 14
18,400	285,900	Congoleum-Nairn Inc	*	10	Sale	9¾	Sale	8¾	Sale	8¾ July 29	10⅜ July 5	8¾ May 1	12¼ Feb 4
52,500	288,000	Consolidated Cigar Corp	1	49½	Sale	63	Sale	68½	Sale	63 July 1	69½ July 18	49½ Jan 2	69½ July 18
73,100	662,900	Cons Edison Co of N Y Inc	*	83¼	Sale	84¼	Sale	86⅞	Sale	84 July 1	87 July 31	81⅞ Jan 2	89½ Feb 15
12,700	62,100	$5 preferred	*	106	Sale	107¼	Sale	106⅛	Sale	106 July 23	108 July 8	105¾ Apr 18	109 Jan 25
8,100	94,000	4.12% conv pref ser A	100	109¾	Sale	108¾	109¾	110¼	Sale	109¼ July 25	111½ July 8	109 Feb 28	115½ Feb 13
41,500	211,300	Consol Electronics Indus	5	31	Sale	29	Sale	30⅞	Sale	28½ July 23	31⅞ July 29	27½ Apr 16	35 Feb 1
24,500	435,300	Consolidated Foods	1.33⅓	34¾	Sale	41⅞	Sale	41¼	Sale	40⅜ July 3	42½ July 25	33⅜ Feb 6	43¼ Jun 21
6,100	62,300	Consol Laundries Corp	5	24½	24¾	27½	Sale	28	28½	27¼ July 1	28½ July 29	24½ Jan 3	29¾ May 29
22,500	292,800	Consol Natural Gas	10	57	Sale	64¾	Sale	65⅝	Sale	64 July 10	67 July 22	56¾ Jan 2	67¼ Jun 24
48,500	524,500	Consolidation Coal Co	1	35¼	Sale	40⅝	Sale	42	Sale	38½ July 19	42⅛ July 31	35⅛ Jan 2	45⅝ Jun 6
55,000	441,200	Consumer Power Co— Common	*	42¼	Sale	45¾	Sale	46	Sale	45⅛ July 18	47⅜ July 11	40½ Mar 4	47⅜ July 11
3,330	22,710	$4.50 preferred	*	101	Sale	102¼	Sale	100¾	Sale	100 July 5	102⅜ July 1	98¾ Apr 15	102½ Jan 4
800	7,570	$4.52 preferred	*	102¼	103½	103⅝	Sale	103	Sale	102½ July 10	103¾ July 1	102¼ Apr 23	105 Jan 18
620	1,390	$4.16 preferred	*	93½	94½	96	Sale	95	95¾	94½ July 15	96 July 1	94½ Jan 3	98 Mar 25
45,000	538,800	Container Corp of America Common	5	24¼	Sale	28	Sale	26	Sale	26 July 31	28⅛ July 1	23⅝ Jan 18	29½ May 10
40	200	4% preferred	100	94	94½	94½	96	94½	96	94½ July 26	94½ July 26	94 Jan 23	94½ Apr 24
172,600	1,852,200	Continental Air Lines	1.25	6⅝	Sale	10⅞	Sale	11⅛	Sale	10¼ July 22	11⅝ July 30	6⅝ Jan 2	12¼ May 22
31,500	127,100	Contin'tal Baking Co com	5	44	Sale	49¾	Sale	53⅛	Sale	49¾ July 1	53⅞ July 30	43¾ Apr 5	53⅞ July 30
510	5,070	$5.50 preferred	*	106	Sale	109	Sale	108	108½	107⅛ July 26	109¼ July 11	106 Jan 2	109¾ May 31
100,700	847,600	Continental Can com	10	44⅞	Sale	47¾	Sale	45⅛	Sale	45 July 30	47⅞ July 1	42⅝ Mar 29	48 Jun 17
730	5,010	$3.75 preferred	*	87¼	88	90	91½	90	90¼	89½ July 22	90¼ July 2	87¼ Jan 4	91½ Jun 6
79,100	380,700	Continental Copper & Steel Common	2	4⅜	Sale	6	Sale	5⅝	Sale	5⅝ July 22	6⅞ July 12	4¼ Jan 2	6⅞ July 12
1,900	5,600	5% preferred	25	17⅛	18	19½	Sale	19½	20	19½ July 1	20½ July 9	17⅛ Jan 3	20½ July 9
79,500	713,600	Continental Insurance	5	59⅞	Sale	56⅝	Sale	56⅛	Sale	56 July 31	59¾ July 5	55⅞ Jun 5	64¾ Feb 15
32,600	479,300	Continental Motors Corp	1	10⅞	Sale	12½	Sale	11⅝	Sale	11⅝ July 31	12⅞ July 5	10⅞ Jan 2	13½ Jun 5
53,300	537,200	Continental Oil of Del	5	54⅝	Sale	61½	Sale	59	Sale	58 July 19	61¾ July 1	53¼ Jan 2	63⅜ May 16
10,600	64,600	Continental Steel Corp	7	41⅜	Sale	43⅛	Sale	42½	Sale	42 July 23	43¾ July 3	41⅜ Jan 2	47⅝ Apr 15
887,800	2,337,500	Control Data Corp	50c	—	—	60½	Sale	66¾	Sale	59⅝ July 1	72¾ July 11	36½ Mar 7	72¾ July 11
8,700	94,400	Controls Co of America	5	23	23¾	26½	Sale	24¼	Sale	23⅞ July 29	26½ July 1	22½ Jan 21	28¾ May 28
9,900	116,300	Cooper-Bessemer Corp	5	27½	Sale	32¼	Sale	30⅝	Sale	30¼ July 22	32⅞ July 9	27¼ Jan 2	33 Apr 10
20,900	355,500	Cooper Tire & Rubber Co	1	12	Sale	15¼	Sale	15	Sale	14¼ July 19	15¾ July 3	12 Jan 2	17⅝ Jun 3
20,400	137,600	Copeland Refriger't'n Corp	1	21¾	Sale	22¾	Sale	21⅜	Sale	21⅛ July 26	23½ July 3	21⅛ Jun 7	26¾ Jan 15
25,800	352,500	Copper Range Co	5	16½	Sale	21⅝	Sale	21¾	Sale	20⅛ July 24	22½ July 30	16½ Jan 2	24⅞ May 13
11,700	130,800	Copperweld Steel	5	32½	Sale	35	Sale	35	35⅜	33¼ July 2	35⅝ July 12	32½ Jan 2	38 Apr 22
116,000	944,300	Corn Products Co (Del)	50c	50½	Sale	56⅞	Sale	55⅝	Sale	54⅜ July 17	56⅞ July 1	49 Mar 29	60 May 22
30,500	268,300	Corning Glass Works com	5	160¼	Sale	171	Sale	170¾	Sale	168 July 10	173¾ July 2	152¾ Mar 6	180⅞ Jun 21
400	910	3½% preferred	100	88	90	89	Sale	89	89½	89 July 1	89 July 1	87½ Jan 24	89 Apr 10
50	540	3½% pfd ser of 1947	100	93	95	93	93¼	93½	95	93 July 18	93¼ July 16	91 Feb 21	93¼ Jun 18
4,300	29,000	Coty Inc	1	14	Sale	13¾	Sale	12½	12¾	12½ July 29	14 July 2	11¾ May 10	15¾ Jan 31
7,400	85,300	Coty Int'l Corp class A	1c	5	Sale	5	Sale	5	Sale	5 July 1	5¼ July 2	4¾ Mar 21	5⅝ Apr 25
11,500	69,500	Crane Co common	25	42¼	Sale	47¼	Sale	51	Sale	47¼ July 1	51 July 31	42¼ Jan 2	51 July 31
500	2,800	3¾% preferred	100	82	83¼	81½	83	81½	82½	81½ July 17	82½ July 12	81½ Apr 5	83½ Jan 8
25,700	145,500	Crescent Petroleum com	1	13⅝	Sale	10¾	Sale	11¼	Sale	10½ July 2	11⅞ July 5	10½ July 2	14½ Jan 8
3,900	43,400	5% convertible pfd	25	23	23½	23¾	Sale	23¾	Sale	23⅝ July 1	24 July 5	23¼ Jan 4	25⅜ Feb 19
14,300	75,500	Crompton & Knowles Corp	*	23¾	24	21¾	Sale	22⅜	Sale	21 July 22	22½ July 5	20¼ Jun 20	24⅞ Feb 19
73,300	974,500	Crowell-Collier Publishing	1	19⅛	Sale	16¾	Sale	17½	Sale	15⅝ July 18	17¾ July 31	14¼ Apr 2	20½ Jan 4
133,600	1,417,400	Crown Cork & Seal	2.50	33¾	Sale	35⅛	Sale	34⅝	Sale	33½ July 29	36⅜ July 8	28¼ Feb 27	39⅝ Jun 6
600	7,490	$2 preferred	*	44½	46½	46½	47½	46½	48	46¼ July 12	46½ July 10	44 Feb 27	46½ Jun 21
42,700	522,200	Crown Zellerbach Corp— common	5	45½	Sale	50⅛	Sale	46½	Sale	46⅜ July 25	50½ July 1	45 Jan 4	58 Apr 24
2,320	9,340	$4.20 preferred	*	96½	Sale	97	Sale	96¾	Sale	96 July 8	97 July 1	96 July 8	100 Jan 23
115,000	1,012,000	Crucible Steel of Amer	12.50	16⅝	Sale	21¼	Sale	21	Sale	20½ July 8	21⅞ July 17	16⅝ Jan 2	21⅞ Jun 24
600	4,400	5¼% conv preferred	100	102¾	105	104	108	105½	Sale	103½ July 17	105¾ July 8	103 Jan 7	107 Jun 12
14,900	163,900	C T S Corp	*	17⅛	Sale	21¾	Sale	20⅛	Sale	20⅛ July 31	22⅞ July 5	17⅛ Jan 2	25 Jun 13
30,700	306,000	Cudahy Packing Co com	5	7⅞	Sale	7⅝	Sale	7	Sale	6⅞ July 22	7⅝ July 1	6⅞ July 22	10 Jan 25
1,300	10,100	4½% preferred	100	51¼	52¼	55	58	55¾	57	55½ July 16	58½ July 23	52¼ Jan 3	63¼ Apr 10
2,900	27,800	Cuneo Press Inc	5	10⅜	10¾	11	11¼	10¾	Sale	10¾ July 31	11½ July 5	10 Mar 4	11⅞ May 7
5,200	65,300	Cunningham Drug	2.50	19½	20	23¼	Sale	21⅞	22	21½ July 22	23⅞ July 5	19½ Jan 3	24½ Jun 6
32,700	447,600	Curtis Publishing com	1	6⅜	Sale	7½	Sale	6¾	Sale	6⅝ July 24	7½ July 1	6⅛ Jan 2	8½ Feb 14
8,600	117,500	$4 prior preferred	*	25¼	26½	30¼	Sale	30	Sale	29¼ July 22	30¼ July 1	25¾ Jan 3	39⅞ Feb 14
2,500	33,300	$1.60 prior preferred	*	8¾	9¼	9½	Sale	9½	Sale	9¼ July 16	9⅝ July 26	9 Jan 7	12⅜ Feb 14
149,600	2,334,700	Curtis Wright Corp com	1	17⅝	Sale	21¼	Sale	19⅞	Sale	19½ July 23	21¾ July 9	17⅜ Jan 2	24¼ May 16
4,100	42,100	Class A	1	34	Sale	37	Sale	37¼	Sale	36½ July 3	37⅞ July 11	33¾ Jan 3	38⅜ Feb 26
19,600	166,400	Cutler Hammer	10	58	Sale	59¼	Sale	55	Sale	53½ July 19	59⅝ July 3	53½ July 19	67¾ Apr 15
23,000	213,300	Dana Corp common	1	41	Sale	44⅜	Sale	43⅛	Sale	42⅛ July 24	45 July 11	40¼ Jan 7	46 Feb 25
10	650	3¾% preferred ser A	100	88½	91½	90¼	92¼	92	93½	92 July 17	92 July 17	89⅛ Apr 3	92 Feb 4
29,900	333,300	Dan River Mills Inc	5	13	Sale	14⅝	Sale	15⅛	Sale	14½ July 1	15⅛ July 30	13 Jan 2	16⅛ May 24
30,200	490,900	Dayco Corp	50c	14	Sale	17½	Sale	18	Sale	17¼ July 1	19¼ July 11	13¾ Jan 2	20⅜ May 21
33,200	205,300	Dayton Power & Light— Common	7	27¾	Sale	28⅝	Sale	28⅜	Sale	27½ July 5	29 July 1	27 Jan 21	30 Jan 31
390	2,910	3.75% preferred ser A	100	86	Sale	87½	89	84	85½	84 July 24	87½ July 3	82 Mar 4	88½ Jun 28
20	2,710	3.75% preferred ser B	100	84½	87½	86	87½	85½	87½	86 July 3	86 July 3	84½ Mar 4	87½ Jun 12
----	360	3.90% preferred ser C	100	88½	Sale	88½	90½	88	89½	— ------	— ------	87 May 10	90 Jan 29
4,300	51,600	Decca Records Inc	50c	45¼	45¾	45⅜	Sale	45½	Sale	45⅜ July 1	45¾ July 15	45⅛ Feb 18	46 Apr 25
60,100	596,600	Deere & Co	1	51½	Sale	64¾	Sale	61⅝	Sale	61¼ July 24	64⅞ July 5	51½ Jan 2	69⅜ Jun 10
80,300	284,200	Delaware & Hudson Co	1	20⅝	Sale	21¼	Sale	21⅜	Sale	20⅛ July 23	23¼ July 11	18⅝ Mar 27	23¼ July 11
40,700	185,100	Delaware Pow & Lt Co	6.75	47⅛	Sale	53	Sale	52⅞	Sale	50 July 17	53½ July 2	46¼ Jan 3	55⅛ May 16
95,800	‡693,900	Delta Airlines Inc	3	—	—	48⅛	Sale	49	Sale	45⅝ July 19	50⅞ July 31	‡36¼ Mar 6	54¾ Jun 5
10,900	87,000	Dentists Supply Co of NY	2.50	26⅞	Sale	29	Sale	29⅞	Sale	28⅞ July 3	31 July 16	26 Feb 15	32½ Jun 12
46,100	559,000	Denv & R G West RR Co	*	19⅛	Sale	22¼	Sale	21⅜	Sale	20 July 23	22¾ July 3	19⅛ Jan 2	23 May 29
114,000	672,300	De Soto Chem Coatings	1	9⅛	Sale	14¾	Sale	16	Sale	14⅜ July 10	16¼ July 25	9⅛ Jan 2	16¼ July 25
53,300	426,800	Detroit Edison Co	10	31⅝	Sale	32¼	Sale	32⅛	Sale	31⅞ July 1	32½ July 16	31½ Jan 2	34⅞ Jan 29
35,400	605,900	Detroit Steel Corp	1	10¾	Sale	13¼	Sale	12⅝	Sale	12½ July 12	13¼ July 1	10⅝ Jan 2	14⅜ Apr 16
4,300	27,500	De Vilbiss Co	15	31¾	Sale	36	36¾	34½	Sale	31¾ July 24	36¼ July 2	31½ Jan 24	39½ Jun 11
28,200	235,300	Diamond Akali Co	*	47	Sale	47¼	Sale	45	Sale	44⅜ July 22	47⅝ July 8	44⅜ July 22	54½ Feb 19
18,600	205,700	Diamond National Corp	1	46¼	Sale	57½	Sale	56⅛	Sale	56 July 31	58½ July 8	45¾ Jan 3	59¼ Jun 10
11,300	134,600	Diana Stores Corp	50c	10⅜	Sale	10	Sale	10	Sale	9⅞ July 1	10⅜ July 16	9⅞ Jun 20	12⅝ Jan 15
11,400	131,200	Di Giorgio Fruit Corp	2.50	13⅞	Sale	14⅞	Sale	14⅛	Sale	14 July 10	14⅞ July 1	11⅛ Mar 6	15⅝ May 14
44,500	657,000	Diners Club Inc	1	19⅝	Sale	20¼	Sale	19⅛	Sale	18⅜ July 31	20⅝ July 2	18⅜ July 31	23⅞ May 9
67,200	305,900	Disney (Walt) Product	2.50	27¾	Sale	37½	Sale	39½	Sale	37 July 1	41⅜ July 11	27¾ Jan 2	41⅜ July 11
22,600	164,900	Distill Corp-Seagrams Ltd	2	44⅛	Sale	48	Sale	46⅝	Sale	45¾ July 23	50⅞ July 10	43⅞ Jan 2	51⅝ Jun 12
22,200	302,900	Divco Wayne Corp	1	19½	Sale	25⅛	Sale	24¾	Sale	23⅝ July 24	25¾ July 11	19 Jan 3	28⅜ May 22
39,500	193,600	Dr Pepper Co	*	21½	21⅞	32¼	Sale	32½	Sale	30⅝ July 17	34⅞ July 11	21¾ Jan 3	34⅞ July 11
66,600	267,700	Dome Mines Ltd	*	23⅜	Sale	27⅝	Sale	28⅜	Sale	26⅞ July 19	28⅞ July 15	23⅛ Jan 2	28⅞ July 15
9,800	129,000	Dominick Fund Inc	1	20¼	Sale	21	Sale	20⅞	Sale	19⅞ July 19	21⅜ July 10	19 Mar 6	21½ Jun 10
37,100	427,300	Donnelley (R R) & Sons	1.25	21	Sale	24	Sale	24¼	Sale	23½ July 2	25⅜ July 29	20⅞ Jan 4	29¼ Apr 24
80,800	778,400	Douglas Aircraft	*	25⅞	Sale	24	Sale	23	Sale	22½ July 16	24⅜ July 5	22½ July 16	29¾ Jan 14
43,000	305,200	Dover Corp	1	22⅝	Sale	28⅞	Sale	30¼	Sale	28 July 8	31 July 30	22½ Jan 22	31 July 30
122,700	1,013,700	Dow Chemical Co	5	56	Sale	60¼	Sale	59	Sale	56⅜ July 22	61¼ July 8	55 Mar 4	66 May 1
117,200	653,900	Dresser Industries	50c	22⅜	Sale	26⅛	Sale	26⅝	Sale	25⅝ July 1	27¾ July 22	22⅜ Jan 2	27¾ July 22

For footnotes, see page 29.

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Aggregate Sales in July Shares	Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY — July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
20,900	116,100	Drewrys Ltd USA Inc	1	22¾	Sale	22¼	Sale	20⅝	Sale	20⅛ July 26	23 July 3	20⅛ July 26	25⅞ Jan 15
41,800	285,700	Du Bois Chemicals Inc	1	16¼	Sale	18⅝	Sale	19½	Sale	18⅛ July 29	19¾ July 11	16¼ Jan 2	19¾ July 11
67,400	303,700	Duke Power Co	*	56	Sale	61	Sale	61¾	62	60 July 10	62¼ July 23	53½ Apr 10	63¾ May 17
16,600	196,300	Dunhill International	1	13⅝	Sale	14½	Sale	14⅜	Sale	13⅞ July 23	15¼ July 9	13½ Jan 2	15½ Jun 21
48,600	340,600	Duplan Corp	1	10½	Sale	15⅜	Sale	15½	Sale	15⅛ July 24	16¾ July 10	10⅞ Jan 29	16¾ July 10
		DuPont de Nem & Co (E I)											
65,400	560,000	Common	5	238½	Sale	245	Sale	237	Sale	229½ July 26	247 July 5	229½ July 26	256¾ May 9
5,800	49,300	$4.50 preferred	*	109	Sale	109⅝	109⅞	107¼	Sale	107 July 12	109⅜ July 2	105⅞ Apr 22	109¾ Mar 15
2,800	23,000	$3.50 preferred	*	86½	87	88¼	90	87	Sale	85½ July 19	89½ July 2	84 Apr 10	89⅞ Jun 18
50,000	346,800	Duquesne Light Co com	5	30⅞	Sale	32	Sale	32½	Sale	31⅛ July 16	32⅝ July 31	30⅞ Jan 2	33⅞ May 16
1,230	5,370	3.75% preferred	50	42¼	Sale	43	Sale	43	Sale	42¾ July 2	43½ July 16	42 Feb 4	44¼ Apr 2
1,180	3,350	4.15% preferred	50	46½	Sale	48½	50	47¼	Sale	47¼ July 23	50 July 2	46 Jan 2	50 May 31
3,060	21,550	5% preferred	50	46½	Sale	45½	45⅞	46	Sale	45⅛ July 22	50 July 1	43½ Apr 15	47 Jan 22
410	4,930	4.20% preferred	50	48	49¾	50	Sale	49½	50	49½ July 22	50 July 1	47¼ Apr 26	50¼ Mar 7
----	2,560	4.10% preferred	50	46	47	47½	48¼	47	48¼	-- ------	-- ------	46 May 1	48¼ Jun 21
470	2,830	$2.10 preferred	50	47	48½	48½	49	48	49	48½ July 8	49 July 29	47¼ Jun 7	50 Mar 21
10,400	57,000	D W G Cigar Corp	5	18	18¾	17⅜	Sale	18	Sale	16¾ July 10	18 July 31	16¾ Jun 19	20¾ Jan 9
102,900	987,500	Dynamics Corp of America	1	14⅝	Sale	13⅛	Sale	11⅞	Sale	11¾ July 29	13⅝ July 11	11¾ Apr 29	15¾ Jan 4
7,200	74,400	$1 conv preference	2	30½	Sale	27¾	Sale	25⅝	Sale	25⅜ July 26	28 July 3	25⅜ May 2	31¾ Jan 4
15,700	201,800	Eagle-Picher Co	5	20½	Sale	24¼	Sale	23½	Sale	23½ July 10	24¼ July 1	20⅜ Jan 2	24¾ Apr 23
267,600	1,250,100	Eastern Air Lines	1	19½	Sale	20¼	Sale	24	Sale	19¾ July 2	24⅜ July 31	19 Apr 16	24¾ Feb 14
		Eastern Gas & Fuel Assn—											
12,700	717,200	Common	10	47	Sale	61¾	Sale	59¾	Sale	59¼ July 22	64½ July 2	46¼ Jan 2	64½ July 2
1,180	24,950	4½% prior preferred	100	90	Sale	100	Sale	97½	98	97½ July 30	100 July 1	90 Jan 2	101½ May 17
28,300	305,700	Eastern Stainless Steel	2.50	12½	Sale	16⅝	Sale	16⅜	Sale	16⅛ July 29	17¼ July 17	12⅜ Jan 2	18¾ May 29
105,100	859,000	Eastman Kodak common	10	108⅝	Sale	109½	Sale	108½	Sale	106⅛ July 24	110⅛ July 10	106⅛ July 24	122⅜ Apr 26
40	1,150	$3.60 preferred	50	99½	101	99⅝	101	99⅝	101	99⅝ July 5	99⅝ July 5	98½ Mar 4	101 Apr 30
48,500	375,200	Eaton Mfg Co	1	34¾	Sale	36⅛	Sale	35	Sale	34⅞ July 31	36½ July 9	34½ Jan 2	38½ Jun 12
20,500	115,900	Echlin Mfg Co	1	--	--	12	Sale	11⅛	Sale	11 July 30	12⅜ July 11	¶11 July 30	15 Feb 18
6,800	49,100	Edison Bros Stores com	1	54¼	Sale	50¾	Sale	56½	Sale	50¼ July 1	56¾ July 15	50¼ Jun 17	60 Jan 14
20	1,010	4¼% preferred	100	92½	95	91	95	93	Sale	91½ July 30	93 July 31	91½ July 30	95½ Apr 5
26,200	213,200	Ekco Products com	2.50	29¾	Sale	28½	Sale	29	Sale	27½ July 24	29⅜ July 9	27 Jan 24	30½ Jun 11
----	120	4½% preferred	100	99½	--	99½	--	99½	--	-- ------	-- ------	98⅞ Jun 24	101 Jun 12
		Elastic Stop Nut Corp											
2,500	55,100	of America	1	32⅜	32¾	36	36⅝	34¾	Sale	34¼ July 23	36¼ July 3	32¼ Jan 18	39⅝ May 21
35,600	272,900	Electric Bond & Share	5	26½	Sale	30⅜	Sale	30¾	Sale	30¼ July 25	31¼ July 9	26½ Jan 2	31⅞ Apr 30
		Elec & Musical Industries—											
50,700	554,000	American shares	10s	5⅞	Sale	5¼	Sale	5⅝	Sale	5¼ July 1	5⅞ July 26	5¼ Jun 14	6⅜ Apr 1
7,600	85,500	Electric Storage Battery	10	50	Sale	54¾	Sale	53½	Sale	53½ July 24	55½ July 3	50 Jan 2	58 Apr 8
431,100	950,000	Electronics Associates Inc	1	35¾	Sale	50⅞	Sale	60⅝	Sale	49 July 1	69⅛ July 29	31¼ Mar 8	69⅛ July 29
327,300	327,300	Electronic Specialty Co	50c	--	--	30½	Sale	28	Sale	27½ July 31	34⅛ July 12	27½ July 31	34⅛ July 12
15,800	198,300	Elgin National Watch Co	5	10	Sale	10	Sale	9½	Sale	9⅛ July 26	10¼ July 5	9⅛ July 26	12¼ Jan 24
142,900	1,428,300	El Paso Natural Gas	3	17⅛	Sale	18⅝	Sale	19	Sale	18⅝ July 1	19¼ July 31	17⅛ Jan 2	20½ Apr 22
28,300	28,300	Eltra Corp	25c	--	--	26	Sale	25	Sale	24 July 23	26½ July 5	22⅝ Jan 2	28⅞ May 17
30,400	30,400	$1.40 conv pfd	34.50	--	--	31⅞	Sale	30½	Sale	30¼ July 24	31⅞ July 1	30¼ July 24	31⅞ July 1
53,900	705,600	Emerson Electric Mfg	1	28⅞	Sale	34¼	Sale	34	Sale	32¼ July 19	35⅛ July 11	27⅜ Jan 3	36½ May 9
39,600	357,400	Emerson Radio & Phono	5	10	Sale	10⅛	Sale	10	Sale	9⅞ July 1	10¾ July 16	9 Mar 20	11½ Jan 24
12,900	111,400	Emery Air Freight Corp	20c	38	Sale	40¾	Sale	42⅜	Sale	40⅛ July 5	44 July 12	34⅞ Mar 1	44 July 12
18,500	48,100	Emhart Mfg Co	7.50	--	--	53	Sale	46½	Sale	46 July 30	53 July 1	46 July 30	57¾ May 14
5,700	83,900	Empire Dist Electric Co	10	42⅝	Sale	47½	Sale	47¼	Sale	47¼ July 3	48 July 5	42⅝ Jan 2	51 Mar 6
36,700	265,700	Endicott Johnson com	10	13⅝	14	20⅛	Sale	17⅝	Sale	15½ July 22	20⅛ July 1	14 Jan 3	23⅛ May 20
2,200	10,290	4% preferred	100	63	Sale	77½	Sale	68¾	Sale	65¼ July 23	79 July 3	63 Jan 2	80¾ Jun 5
14,700	142,800	Englehard Industries	1	20	Sale	27⅛	Sale	27⅛	Sale	26¼ July 22	28 July 12	19⅝ Jan 3	29½ Jun 3
18,600	165,500	Equitable Gas Co	8.50	38	Sale	41¼	Sale	41	Sale	40 July 29	41⅜ July 8	38 Jan 2	45⅜ May 16
56,000	645,700	Erie-Lackawanna RR Co	*	2⅝	Sale	3½	Sale	3⅛	Sale	3 July 19	3½ July 1	2⅝ Jan 2	4¼ Jan 13
3,350	31,740	5% preferred series A	100	15¼	Sale	17½	Sale	17	Sale	16 July 19	17⅝ July 5	14½ Jan 3	21⅞ Feb 13
200	630	Erie & Pitts RR Co	50	58½	60	61	64½	63¼	64¼	62¼ July 17	63 July 17	58¼ Mar 11	63 Jun 19
45,600	217,000	Eurofund Inc	1	14	Sale	14⅜	Sale	14	Sale	13 July 18	15 July 22	13 July 18	16⅛ Jan 25
79,400	387,000	Evans Products Co	5	9½	Sale	15⅞	Sale	15¼	Sale	14½ July 25	17 July 9	9½ Jan 2	17 July 9
117,300	967,600	Eversharp Inc	1	25⅜	Sale	42⅜	Sale	44	Sale	39⅝ July 22	45⅞ July 31	25 Jan 2	45⅞ July 31
49,300	387,400	Ex Cell-O Corp	3	40¼	Sale	42⅜	Sale	40¼	Sale	38⅝ July 16	43½ July 1	38½ May 6	46⅜ Feb 7
19,600	206,400	Factor (Max) & Co cl A	1	37⅞	Sale	45¾	Sale	44¼	Sale	44 July 22	46 July 1	37⅝ Jan 3	48½ May 2
7,600	30,900	Fafnir Bearing Co	10	--	--	44½	Sale	44⅜	Sale	43 July 23	46 July 11	43 July 23	49¾ May 1
2,700	34,700	Fairbanks Morse & Co	*	11½	Sale	13	Sale	12¼	12¾	12 July 23	13 July 1	11¼ May 29	16¼ Jan 14
		Fairbanks Whitney Corp—											
186,400	1,749,500	Common	1	4½	Sale	5⅞	Sale	5¼	Sale	5¼ July 16	6 July 1	4¼ Apr 16	6⅛ Jan 11
2,400	48,600	$1.60 conv preferred	40	16½	16¾	18¼	Sale	16¾	Sale	16¾ July 30	18⅜ July 5	15 May 1	18⅝ Jan 10
		Fairchild Camera &											
133,200	1,290,900	Instrument Corp	1	45½	Sale	37½	Sale	34⅞	Sale	33 July 25	39⅛ July 3	32⅝ Apr 19	50½ Jan 14
51,800	604,100	Fairchild Stratos	1	7¼	Sale	6⅛	Sale	5⅞	Sale	5¾ July 23	6⅜ July 15	5¾ July 23	8¾ Feb 6
21,900	191,500	Fairmont Foods common	50c	23¼	Sale	27	Sale	27⅜	Sale	26½ July 1	27⅜ July 11	22⅝ Jan 2	27½ Jun 24
140	1,450	5% junior preferred	50	51	Sale	50¼	51¼	50⅛	Sale	50 July 8	50¾ July 17	50¼ Mar 5	51½ Jan 8
14,000	121,200	Falstaff Brewing Corp	1	30½	Sale	37	Sale	34¼	Sale	33⅞ July 30	37¼ July 2	30¼ Jan 3	39½ Jun 11
21,900	234,900	Family Finance Corp	1	27	Sale	33	Sale	31	Sale	30 July 29	33⅞ July 11	26⅞ Jan 8	34 Apr 30
36,500	478,800	Fansteel Metallurgical	5	17¾	Sale	17⅜	Sale	17⅛	Sale	16⅛ July 15	17¾ July 31	16⅛ July 15	23¾ Feb 19
9,400	69,700	Fawick Corp	2	8¼	Sale	8⅞	Sale	9	Sale	8⅞ July 1	9⅝ July 9	8⅛ Jan 2	9⅝ May 16
33,800	222,700	Fedders Corp	1	15¾	Sale	17	Sale	17⅛	Sale	16⅜ July 1	17⅛ July 5	15¾ Jan 2	19⅝ May 17
13,100	217,000	Fed-Mogul-Bower Bear	5	38½	39	46¼	Sale	43¾	Sale	43¾ July 31	47 July 17	37½ Mar 12	47½ Jun 5
30,400	412,800	Federal Pacific Elec com	1	7⅛	Sale	7¼	Sale	7	Sale	7 July 30	7⅞ July 12	6½ Apr 5	9¼ May 8
6,700	39,100	5½% conv 2nd pfd A	23	17	Sale	18¼	Sale	17½	Sale	17½ July 25	18¼ July 1	16½ Jan 2	19¼ May 8
23,000	184,200	Federal Paper Board com	5	38⅜	Sale	38¼	Sale	31⅜	Sale	31¼ July 31	40¼ July 8	31¼ July 31	42 Mar 21
200	13,400	4.60% preferred	25	23⅜	23½	24	24⅝	24	24⅝	24¼ July 12	24¼ July 12	23⅜ Jan 3	24¾ May 22
74,400	626,200	Federated Dept Stores	1.25	43⅛	Sale	49¼	Sale	48	Sale	48 July 31	49⅞ July 3	42½ Jan 2	50 Jun 19
8,200	159,600	Fenestra Inc	10	15⅛	15½	15¾	Sale	14	14½	13¾ July 24	16⅛ July 5	13⅜ Apr 23	18⅞ Jun 7
15,300	126,600	Ferro Corp	1	35¾	Sale	40	Sale	40⅝	Sale	39⅛ July 22	42⅜ July 9	35¾ Jan 2	43¾ Jun 5
28,900	208,600	Fibreboard Paper Products	*	24	Sale	26½	Sale	26½	Sale	26⅛ July 31	28⅞ July 11	23⅛ Mar 20	29¾ May 3
52,300	505,100	Fifth Ave Coach Lines	10	26¼	Sale	29⅝	Sale	33¾	Sale	29½ July 1	34½ July 31	26 Jan 2	35⅝ Feb 18
30,100	424,200	Filtrol Corp	1	27¾	Sale	31	Sale	32¾	Sale	30¾ July 1	33¾ July 18	27⅝ Jan 2	36¼ Apr 2
46,900	‡293,500	Financial Federation Inc	1	--	--	53¼	Sale	53⅝	Sale	51¾ July 2	57⅞ July 10	‡51¾ July 2	66 Apr 15
135,400	898,400	Firestone Tire & Rubber	*	34⅝	Sale	33¾	Sale	32½	Sale	32 July 23	45 July 10	32 July 23	37¾ Jan 29
130,300	1,269,500	First Charter Financial	*	32	Sale	39⅜	Sale	38¾	Sale	38½ July 1	41⅜ July 10	31¼ Jan 24	44⅜ Apr 15
23,600	180,200	First National Stores	*	50⅜	Sale	59¼	Sale	54¾	Sale	53 July 24	59¼ July 1	50¼ Jan 2	60½ Jun 12
48,900	355,600	Fischbach & Moore Inc	1	19	Sale	21¼	Sale	23½	Sale	21 July 1	23⅞ July 11	18¾ Jan 2	23⅞ July 11
43,500	583,000	Flintkote Co common	5	18	Sale	22¼	Sale	20⅛	Sale	20⅛ July 26	22⅝ July 5	17¾ Jan 2	23⅜ Jun 25
110	640	$4 preferred	*	84	85½	88½	91½	89	Sale	87 July 5	89 July 30	85½ Jan 23	90 Jun 25
480	4,340	$4.50 conv A 2nd pfd	100	90	Sale	100	102	99½	101	99½ July 18	101¾ July 5	90 Jan 2	101¾ July 5
5,800	21,900	$2.25 conv B 2nd pfd	*	40	41½	45½	Sale	44¾	Sale	43¾ July 19	45½ July 1	41½ Jan 3	46¼ May 13
29,600	258,900	Florida East Coast Ry Co	25	5¼	5½	6⅞	Sale	6¼	6½	6 July 24	7¼ July 5	5 Jan 23	7¼ Feb 14
30,000	292,200	Florida Power Corp	2.50	43½	Sale	44⅛	Sale	42⅛	Sale	42⅛ July 31	45 July 8	40¾ Feb 25	46½ Jan 9
50,700	507,800	Florida Power & Lt Co	*	67	Sale	70¼	Sale	70⅜	Sale	68¼ July 22	72⅞ July 11	65¾ Jan 2	75½ Jan 18
21,300	214,600	Fluor Corp Ltd	2.50	14⅛	Sale	17⅜	Sale	17⅛	Sale	16⅝ July 22	18½ July 11	14 Jan 2	20 Jun 10
96,500	1,010,500	FMC Corp	10	36	Sale	42	Sale	42	Sale	39¾ July 11	42⅞ July 30	35¾ Jan 2	44⅞ Jun 4
39,900	405,300	Food Fair Stores common	1	21⅛	Sale	22⅛	Sale	22	Sale	21⅛ July 25	22⅞ July 8	97 Jan 23	25½ Feb 7
40	680	$4.20 pfd ser 1951	15	94½	97	95½	97½	95¾	97½	95¾ July 26	95¾ July 26	95¼ Jan 14	97 Jan 23
172,300	433,800	Food Giants Market com	1	17	Sale	20⅛	Sale	20	Sale	20 July 29	24⅞ July 15	16¼ Mar 13	24⅞ July 15
1,100	6,700	4% conv preferred	10	12⅜	13	15⅜	Sale	15	15¾	15⅜ July 1	18¼ July 15	13 Jan 4	18¼ July 15
17,900	172,100	Food Mart Inc	2	11¾	Sale	14	Sale	15⅝	Sale	13⅞ July 1	15⅝ July 31	11⅝ Jan 2	15⅝ July 31
30,700	347,700	Foote Mineral Co	1	10⅞	Sale	9⅞	Sale	9¾	Sale	9⅝ July 19	10¼ July 31	9¼ May 3	12⅛ Feb 14
454,300	†5 881 600	Ford Motor Co	2.50	45⅜	Sale	52	Sale	50¾	Sale	49 July 22	53½ July 5	42 Mar 1	56⅜ Jun 7
126,300	1,386,700	Foremost Dairies Inc	2	8⅞	Sale	9⅝	Sale	9⅞	Sale	9⅜ July 1	10¼ July 11	8½ Jan 2	11⅛ May 20
17,600	156,600	Foster-Wheeler Corp	10	28⅜	Sale	26	Sale	26⅜	Sale	25⅞ July 1	28½ July 11	23 Apr 30	31½ Apr 15
23,700	179,100	Foxboro Co	1	30½	Sale	32	Sale	29	Sale	28⅝ July 22	32¼ July 3	26⅝ Mar 19	37½ Jun 7
14,200	125,900	Fram Corp	50c	30⅝	Sale	34⅝	Sale	33½	Sale	33 July 19	35⅛ July 4	30⅛ Feb 28	38½ May 27
6,700	47,200	Franklin Stores Corp	1	9	Sale	8⅛	8⅜	7⅞	Sale	7¾ July 26	8⅛ July 2	7¾ July 26	9⅞ Jan 24
80,000	567,900	Freeport Sulphur Co	10	22⅜	Sale	24¾	Sale	24¼	Sale	23⅝ July 24	25¼ July 16	22⅜ Jan 2	28⅛ Apr 26
196,300	630,400	Friden Inc	33⅓c	29⅛	Sale	36⅛	Sale	39⅜	Sale	33 July 15	40⅞ July 17	26⅝ Mar 19	40⅞ July 17
234,100	2,292,300	Fruehauf Corp common	1	24¾	Sale	30⅛	Sale	28⅜	Sale	27⅝ July 22	30⅜ July 3	24¾ Jan 2	33⅜ Jun 6
660	3,490	4% preferred	100	84	85	86	88	87½	88	86 July 2	88 July 8	84 Jan 15	89 Jun 21
17,400	167,100	Gamble-Skogmo Inc	5	43½	Sale	32⅝	Sale	33	Sale	32¼ July 1	35¼ July 3	31¼ May 28	43⅝ Jan 2
12,700	‡269,900	Gardner-Denver Co	5	--	--	37½	Sale	35¾	Sale	34¾ July 15	38 July 1	‡31⅛ Mar 14	39½ Jun 13
31,900	171,100	Garrett Corp (The)	2	42¾	Sale	43	Sale	42¼	Sale	41⅞ July 15	43½ July 5	40¼ Mar 20	47⅛ May 6
22,600	417,400	Gar Wood Industries com	1	3	3⅛	4⅝	Sale	4	Sale	4 July 26	4¾ July 9	3¼ Jan 4	6⅝ Mar 28
700	12,000	4½% conv preferred	50	19	Sale	28	28¾	27⅜	Sale	27⅜ July 31	28¼ July 2	19 Jan 2	33½ Mar 27
16,400	99,400	General Acceptance Corp	1	20¼	Sale	19½	Sale	19½	Sale	19¼ July 10	20 July 15	19¼ July 10	22¼ Apr 15
7,100	46,400	60c conv preferred	*	12⅜	Sale	12⅛	Sale	12	Sale	11¼ July 23	12⅛ July 1	11¼ July 23	13¼ Mar 21

For footnotes, see page 29.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
11,700	91,800	Gen American Investors	1	28¾	Sale	28⅞	Sale	29	Sale	28½ July 22	29½ July 5	26⅜ Mar 8	30⅞ Jan 14
220	2,690	$4.50 preferred	100	95	97	98	99	99	100	98½ July 8	100 July 8	97 Jan 9	100 July 8
40,500	576,800	Gen Amer Oil of Texas	5	37¼	Sale	33½	Sale	32⅞	Sale	31½ July 25	44½ July 8	31½ July 25	40⅛ Jan 4
28,400	203,200	Gen Amer Transp Corp	1.25	70	Sale	78½	Sale	77¾	Sale	75 July 24	79¾ July 12	67½ Jan 28	81½ Jun 7
27,100	529,200	Gen Baking Co com	5	7¾	Sale	9¼	Sale	9	Sale	8⅞ July 16	9½ July 10	7⅝ Jan 2	9¾ Apr 23
2,730	12,440	$8 preferred	*	91¼	Sale	114	Sale	119	Sale	114 July 1	123½ July 30	91⅛ Jan 3	123½ July 30
16,700	123,700	General Bancshares Corp	2	9	Sale	8¾	Sale	8⅝	8¾	8½ July 30	9 July 9	8⅜ Apr 8	9⅜ Jan 24
28,700	69,200	General Bronze Corp	5	13¾	14	14⅛	14½	17⅜	Sale	13⅞ July 19	17⅞ July 31	13⅞ July 19	17⅞ July 31
39,100	382,200	General Cable Corp com	*	36½	Sale	51¾	Sale	52⅜	Sale	49¾ July 22	52½ July 31	36½ Jan 2	54⅝ Jun 13
300	2,860	4% 1st preferred	100	83½	84¼	90	93	86½	Sale	86½ July 31	91 July 5	83¾ Jan 15	91 Jun 27
15,000	170,200	General Cigar Inc	1	30¼	Sale	30	Sale	29¼	Sale	29¼ July 9	30¾ July 16	29¼ Jan 4	34 Apr 29
17,800	189,400	Gen Contract Fin Corp	2	5	5⅛	4¾	Sale	4¾	5¼	4⅝ July 2	5 July 24	4½ May 24	5⅞ Jun 5
196,600	1,750,500	Gen Dynamics Corp	1	28⅝	Sale	25	Sale	25¾	Sale	23½ July 22	26½ July 9	23⅛ Jun 27	29⅝ Feb 7
241,000	2,108,500	General Electric Co	5	76⅜	Sale	78½	Sale	78⅛	Sale	76⅛ July 26	80⅞ July 9	71¾ Mar 6	84⅜ Jun 3
5,900	45,700	General Finance Corp	1	40	Sale	42	42⅛	48¾	Sale	41¾ July 23	49¾ July 31	39¼ Jan 25	49¾ July 31
----	----	When issued	1	--	--	--	--	23¼	24½	-- ----	-- ----	-- ----	-- ----
77,500	689,300	General Foods Corp	*	77⅞	Sale	81½	Sale	81⅝	Sale	79 July 22	84⅛ July 3	77⅝ Mar 4	85½ Feb 4
69,800	656,100	General Instrument Corp	1	11⅜	Sale	13¾	Sale	12⅜	Sale	12⅛ July 29	14¼ July 12	11 Apr 18	15¼ Jun 10
76,300	708,800	General Mills com	3	31⅝	Sale	35	Sale	34⅝	Sale	32⅜ July 22	36 July 3	31⅜ Jan 2	38 Apr 5
1,350	9,330	5% preferred	100	114	115	114¾	115½	115	115¾	114½ July 19	116 July 29	113 Apr 16	116½ Feb 1
655,200	5,834,200	Gen Motors Corp com	1⅔	58	Sale	70⅜	Sale	71¼	Sale	67 July 22	72 July 31	57⅞ Jan 2	73⅞ Jun 3
8,800	67,900	$5 preferred	*	114	Sale	117	Sale	115	Sale	114¾ July 23	117 July 1	114 Jan 2	118¾ Jun 5
6,200	55,700	$3.75 preferred	*	87¼	Sale	91¼	Sale	90	Sale	89¼ July 23	91½ July 1	87 Jan 3	95½ Mar 1
42,900	149,400	General Outdoor Advert'g	15	37	Sale	35⅞	Sale	37	Sale	35⅞ July 1	48½ July 3	32 May 7	40⅜ Jan 15
67,300	812,600	Gen Portland Cement	1	17½	Sale	21	Sale	20⅝	Sale	20 July 30	22⅛ July 3	17½ Jan 2	23⅛ May 10
73,300	691,600	Gen Precision Equip com	1	34¼	Sale	38¾	Sale	35⅛	Sale	34¼ July 23	40⅛ July 5	33 Mar 19	43⅝ May 31
510	5,100	$1.60 conv preferred	*	38	40	38½	39	38⅝	Sale	38⅝ July 31	39 July 10	37½ Jan 10	39½ May 1
77,300	587,800	General Public Service	10c	5⅝	Sale	5¾	Sale	5¾	Sale	5⅝ July 22	5⅞ July 1	5½ Jan 3	6 Jun 6
57,000	568,100	Gen Public Utilities	2.50	32⅛	Sale	32⅜	Sale	32¾	Sale	32⅜ July 1	33⅜ July 12	31¾ Jan 4	34⅞ Feb 14
34,600	344,700	General Refractories	5	114	Sale	16⅛	Sale	14½	Sale	13⅞ July 23	16¼ July 1	11¼ Jan 2	16¾ Jun 24
22,800	427,200	General Signal Corp	6.67	26⅞	Sale	30¼	Sale	28½	Sale	28 July 9	30¼ July 1	26⅞ Jan 2	34 Jun 6
111,900	‡630,300	General Steel Industries	1	--	--	23⅝	Sale	22¾	Sale	21¾ July 12	24⅛ July 23	‡21⅛ Mar 1	31½ Jun 3
		General Tel Co of Florida—											
1,900	16,300	$1.30 pfd series B	25	26¾	27	28	Sale	27½	27⅞	27 July 17	28 July 1	26½ Jan 22	28⅛ Jun 7
2,300	12,600	$1.25 preferred	25	27¼	28	26½	Sale	26⅝	Sale	26⅜ July 2	27 July 25	26⅜ July 2	27½ Jan 8
		General Telephone &											
340,900	3,375,400	Electronics Corp	3.33⅓	22⅞	Sale	24¾	Sale	25¾	Sale	24 July 22	25⅞ July 30	22⅞ Jan 2	26¾ May 15
58,600	762,900	General Time Corp	2.50	10⅜	Sale	12¼	Sale	11¼	Sale	10½ July 23	12⅝ July 8	9⅝ Mar 19	13½ Jun 18
		General Tire & Rubber Co—											
217,500	2,086,400	Common	30c	21	Sale	24¾	Sale	23¼	Sale	21½ July 22	25⅜ July 3	20⅝ Jan 3	27⅞ May 1
850	5,730	$5 preference	100	101¼	Sale	102½	103	102⅜	103	102⅜ July 30	103⅛ July 18	100 Apr 16	103⅛ July 18
630	4,810	5½% preference	100	103	Sale	104	Sale	104	105½	103¼ July 10	104½ July 18	101¼ Jan 4	107 Feb 21
20,500	346,700	Genesco Inc common	1	35¾	Sale	35⅞	Sale	36⅜	Sale	35⅜ July 10	36½ July 3	35 Jan 14	38⅜ Apr 8
5,600	41,500	$4.50 conv preferred	*	--	--	103¾	104¼	101¾	102½	101¼ July 23	104¾ July 5	101¼ July 23	104¾ July 5
124,700	814,600	Georgia-Pacific Corp	80c	47⅜	Sale	49¾	Sale	50⅛	Sale	48½ July 16	52⅜ July 9	43½ Mar 6	53⅜ Jun 13
18,700	108,000	Gerber Products	5	55	Sale	62½	Sale	65¾	Sale	61⅝ July 1	65¾ July 30	52 Jan 10	67 May 16
323,500	1,535,400	Getty Oil Co	4	18⅛	Sale	23	Sale	24¼	Sale	22⅜ July 1	26¼ July 15	17½ Jan 10	26¼ July 15
16,100	208,400	Giant Portland Cement Co	1	14¾	Sale	14	Sale	13¾	Sale	13½ July 25	14⅛ July 3	13½ July 25	16⅞ Jan 25
25,600	168,400	Gibraltar Financial	1	28⅞	Sale	28	Sale	25¾	Sale	25¼ July 29	29¼ July 10	25¼ July 29	36¾ Apr 15
4,400	27,100	Gibson Greeting Cards Inc	5	33½	Sale	33½	Sale	34½	35	33 July 2	35 July 11	33 July 2	36¾ May 15
501,300	3,584,800	Gillette (The) Co	1	30¾	Sale	34⅜	Sale	34⅜	Sale	33⅝ July 19	36½ July 5	28 Jan 11	36¾ Apr 8
26,800	268,800	Gimbel Brothers	5	33¼	Sale	38¾	Sale	37¼	Sale	37¼ July 31	40 July 11	33 Jan 3	41½ Apr 9
37,700	257,600	Ginn & Co	1	23½	Sale	27½	Sale	28	Sale	27 July 1	28¼ July 8	23½ Jan 2	30 May 15
235,500	1,621,500	Glen Alden Corp	1	10	Sale	14¼	Sale	14¾	Sale	14 July 1	16½ July 12	9⅝ Jan 2	16½ July 12
19,200	136,500	Glidden Co	10	36¼	Sale	40½	Sale	42⅜	Sale	40¼ July 22	42½ July 31	36⅛ Jan 2	42½ July 31
4,400	63,400	Globe-Union Inc	5	20	Sale	19	Sale	17¾	Sale	17¾ July 29	19⅛ July 2	17¾ July 29	25 Feb 18
8,700	87,400	Globe-Wernicke Inc	5	12¾	Sale	12⅜	Sale	11⅝	Sale	11⅝ July 31	12⅜ July 1	11¼ Mar 6	13½ Jan 9
136,500	1,195,100	Goodrich (B F) Co	10	42⅝	Sale	47¾	Sale	48	Sale	47⅛ July 1	48⅝ July 30	42½ Jan 2	52½ May 20
240,700	1,472,100	Goodyear Tire & Rubber	*	33½	Sale	34¾	Sale	34¾	Sale	33⅛ July 15	34⅞ July 1	31⅝ Mar 1	37⅞ May 16
15,000	103,500	Gould-Natl Batteries Inc	4	36¾	Sale	40⅛	Sale	39	Sale	38½ July 24	40⅞ July 12	35¼ Mar 19	42½ Feb 11
126,000	1,160,000	Grace (W R) & Co	1	40¼	Sale	45¾	Sale	43⅝	Sale	42⅝ July 19	46¾ July 3	37⅝ Feb 28	49⅜ Jun 3
		Granby Consolidated Mining											
4,300	56,000	Smelting & Power Ltd	5	17¾	18	17½	Sale	16¼	Sale	16⅛ July 29	17⅞ July 10	16⅛ July 29	21⅞ Apr 25
33,200	507,900	Grand Union Co	5	15⅝	Sale	17⅞	Sale	17½	Sale	17 July 24	17⅞ July 1	15½ Jan 2	19¾ Apr 16
189,500	776,400	Granite City Steel	6.25	27⅜	Sale	27⅜	Sale	26⅛	Sale	26 July 26	28¼ July 3	26 July 26	33¼ Apr 22
34,700	211,400	Graniteville Co	5	12⅝	Sale	14⅝	Sale	15¾	Sale	14½ July 1	15¾ July 31	12⅝ Jan 2	15¾ July 31
50,300	348,000	Grant (W T) Co com	2.50	20⅛	Sale	24¼	Sale	23⅜	Sale	23⅛ July 9	24¼ July 1	20⅛ Jan 2	26⅞ May 9
100	3,560	3¾% preferred	100	81¾	Sale	86	Sale	83½	84½	84 July 18	86 July 1	81¼ Jan 8	86½ Jun 27
24,000	374,800	¶Grayson-Robinson Stores	1	3⅛	Sale	2⅝	2⅞	2⅞	3	2⅝ July 9	3⅝ July 15	2⅛ Jan 4	4½ Jan 11
53,100	897,900	Great Atlantic & Pac Tea	1	39½	Sale	45¼	Sale	44⅞	Sale	44⅜ July 22	46⅜ July 11	39⅜ Jan 2	49⅞ Apr 4
17,600	211,800	Great North Iron Ore Prop	*	14¼	Sale	16¾	Sale	16⅝	Sale	16⅜ July 31	16⅞ July 3	14⅛ Jan 2	17 Apr 25
14,200	170,400	Great Northern Paper Co	25	35½	Sale	42½	Sale	42	Sale	40¼ July 18	43¼ July 8	35 Jan 2	46½ Jun 17
73,400	648,000	Great Northern Ry	*	43⅝	Sale	54⅛	Sale	51½	Sale	50 July 22	55 July 2	43⅝ Jan 2	55 July 2
155,700	2,495,000	Great Western Financial	1	18	Sale	19⅜	Sale	18½	Sale	18½ July 31	21 July 9	16⅞ Jan 24	24½ Apr 15
50,000	431,600	Great Western Sugar com	*	33⅞	Sale	44⅛	Sale	43½	Sale	42⅞ July 29	46½ July 11	33⅞ Jan 2	51¼ May 21
650	7,480	7% preferred	100	144¼	145½	151	152½	150¼	Sale	150¼ July 31	152½ July 8	143 Jan 4	154 Feb 8
12,800	110,700	Green Shoe Mfg Co	3	29¼	Sale	27¼	Sale	25¾	Sale	25½ July 26	28⅛ July 10	25½ July 26	30⅜ Mar 18
74,400	787,100	Greyhound Corp common	3	31⅝	Sale	39¾	Sale	39½	Sale	38⅛ July 2	41⅜ July 12	31½ Jan 2	44⅜ May 2
3,400	60,800	4½% conv pref	50	62	Sale	76½	78¼	79	80¾	79½ July 8	81¼ July 10	61½ Jan 3	88½ May 2
88,800	885,500	Grumman Aircraft Eng Corp	1	44¾	Sale	47½	Sale	44⅜	Sale	42⅝ July 22	48⅞ July 12	41½ Jan 24	52½ May 13
26,200	318,900	Gulf Mobile & Ohio RR	*	30⅜	Sale	39¾	Sale	38⅜	Sale	36⅝ July 23	39¾ July 1	30⅛ Jan 2	41⅝ May 15
500	7,700	$5 preferred	*	82	Sale	90½	91½	90¼	91	90 July 11	90¾ July 26	82 Jan 2	92 Feb 8
514,800	3,065,700	Gulf Oil Corp	8.33⅓	39⅞	Sale	45	Sale	48⅛	Sale	44½ July 1	48⅞ July 12	38⅛ Jan 4	47⅞ July 12
58,900	690,200	Gulf States Utilities com	*	34¼	Sale	35⅜	Sale	36¼	Sale	35⅛ July 2	37¾ July 10	34 Jan 2	39¾ Mar 28
270	1,980	$4.20 preferred	100	93½	95½	96½	98	95¾	97	95¾ July 16	96½ July 3	95 Jan 18	97¾ Jun 28
970	6,300	$4.40 preferred	100	95¼	96¼	97⅛	Sale	97½	99	95⅝ July 10	98 July 29	95 Apr 17	100¼ Feb 28
60	1,010	$4.44 preferred	100	97½	100	100½	102¼	102	103	101¾ July 23	101¾ July 23	99¾ Feb 6	101¾ July 23
100	1,000	$5 preferred	100	107	108	106½	107½	107	108	106½ July 9	106½ July 9	106 Feb 15	108½ Jan 30
130	2,000	$5.08 preferred	100	106½	108	109	110	108½	109½	108 July 29	109 July 25	106 Feb 20	110½ Jun 18
16,800	194,000	Gustin-Bacon Mfg Co	2.50	20⅝	Sale	18	Sale	17½	Sale	17¼ July 26	18½ July 1	17⅛ Apr 19	22½ Jan 7
2,400	21,200	Hackensack Water	12.50	37	Sale	38	38⅝	38	Sale	38 July 18	38¾ July 5	36 Jan 7	40 Jan 22
7,200	43,300	Hall (W. F.) Printing	5	29½	Sale	31¼	Sale	32	Sale	30 July 19	32⅜ July 29	29 Apr 29	32¾ Feb 6
42,000	399,900	Halliburton Co	5	51¾	Sale	52⅛	Sale	49⅝	Sale	49⅝ July 25	52⅛ July 1	48½ Feb 12	54⅝ May 31
37,100	555,400	Hallicrafters Co	1	12½	Sale	13¼	Sale	11	Sale	11 July 31	13¼ July 1	11 July 31	15⅛ May 27
600	36,500	Hamilton Watch common	1	25⅜	Sale	26	26¾	23¾	Sale	23¾ July 29	26 July 3	22⅜ Feb 6	27½ Apr 10
160	1,390	4% conv preferred	100	95	99¾	104	Sale	98⅛	Sale	98⅛ July 31	104 July 1	93 Feb 4	107½ Apr 26
21,300	80,000	Hammermill Paper Co	2.50	29½	Sale	33¼	Sale	32¾	Sale	32⅛ July 19	33¼ July 1	29¼ Jan 2	33⅞ Apr 9
43,300	378,100	Hammond Organ Co	1	22⅜	Sale	24	Sale	24⅞	Sale	23¾ July 1	25⅜ July 31	21⅛ Feb 6	25⅜ July 31
83,700	1,028,400	Hanna (M A) Co	2.50	26⅝	Sale	31¾	Sale	32⅛	Sale	30¼ July 25	32½ July 2	26¼ Jan 3	33¼ Jun 7
		Harbison Walker Refrac—											
37,800	370,200	Common	7.50	32¼	Sale	35⅝	Sale	34¾	Sale	33¾ July 24	35⅝ July 1	31⅝ Jan 7	38 May 3
210	930	6% preferred	100	127½	128	131	133½	130¾	132	130¾ July 24	132½ July 15	126 Jan 22	142½ July 15
30,800	200,600	Harcourt Brace & World Inc	1	28	Sale	34	Sale	32½	Sale	32⅛ July 30	35 July 10	28 Jan 2	35 May 10
29,600	232,800	Harris-Intertype Corp	1	52¼	Sale	48½	Sale	51½	Sale	47¼ July 2	52⅛ July 31	43½ May 2	52¾ Jan 10
28,500	301,200	Harsco Corp	1.25	32⅜	Sale	33⅜	Sale	31⅛	Sale	30⅜ July 26	34⅛ July 3	30⅜ July 26	35⅜ Jun 6
10,300	113,100	Harshaw Chemical Co	5	19	Sale	20	Sale	19⅞	Sale	19⅝ July 9	20¼ July 5	18½ May 9	21⅝ Jan 9
13,700	‡58,200	Hart Schaffner & Marx	5	--	--	36⅛	Sale	38½	Sale	36 July 1	40 July 15	‡32⅜ Mar 20	40 July 15
32,000	398,200	Harvey Aluminum Inc	1	17¾	Sale	21⅞	Sale	20	Sale	19⅞ July 30	22⅜ July 1	17¾ Jan 2	23½ May 6
5,300	69,100	Hat Corp of America com	1	8	Sale	7½	Sale	7¼	Sale	7⅛ July 29	8 July 10	7⅛ July 29	9 Feb 11
540	2,220	5% preferred	50	39¾	41	43¼	Sale	41½	42	42 July 29	44 July 5	40½ Jan 16	44¼ Jun 3
105,700	751,300	Haveg Industries	40c	19⅞	Sale	37	Sale	36¼	Sale	32⅛ July 23	37⅞ July 31	19¾ Jan 2	39 Jun 21
26,000	113,600	Hawaiian Telephone Co	5	--	--	22½	Sale	22⅝	Sale	22 July 2	23¾ July 11	22 July 2	25¼ May 3
25,800	‡217,900	Hayes Industries Inc	5	28¼	Sale	27⅜	Sale	26¼	Sale	24¼ July 22	27½ July 5	‡24¼ July 22	29⅞ May 20
40,700	351,600	Hazeltine Corp	*	20	Sale	21⅞	Sale	19⅝	Sale	19⅝ July 31	21⅞ July 1	19⅝ July 31	25⅝ Feb 20
33,100	278,300	Heinz (H J) Co com	8.33⅓	46⅜	Sale	42¼	Sale	43⅝	Sale	41 July 19	43¾ July 31	39 Apr 2	49¾ Jan 16
170	1,500	3.65% preferred	100	85½	87	89¼	90	87½	88	87½ July 10	89¼ July 2	85⅝ Feb 19	89¼ Jun 10
48,600	304,800	Helene Curtis Indus cl A	1	26⅝	Sale	23⅜	Sale	23⅝	Sale	20⅝ July 12	23⅞ July 1	20⅝ July 12	30¾ Jan 8
74,900	508,800	Heller (W. E.) & Co	25c	17⅞	Sale	14½	Sale	13⅞	Sale	13⅜ July 1	14½ July 1	13⅜ July 1	18⅞ Jan 24
10,800	32,300	Helme (G W) Co common	10	35¼	36	39¼	Sale	36⅞	Sale	35 July 29	39¼ July 1	35 Jan 8	41½ May 22
480	5,010	7% non-cum preferred	25	37¼	38	37½	38½	37¾	38½	37½ July 8	38½ July 16	37 Apr 5	38½ July 16
26,000	117,600	Helmerich & Payne	10c	--	--	10½	Sale	9⅞	Sale	9⅝ July 25	10¾ July 5	§9⅝ Jan 2	13⅛ Feb 28

For footnotes, see page 29.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
		Hercules Powder Co—											
179,100	1,073,800	Common	1 1/24	41½	Sale	38	Sale	35½	Sale	34⅛ July 23	38⅜ July 1	34⅛ July 23	43½ Jan 16
900	2,140	5% preferred	100	115	117	116¼	117½	115	117½	116¼ July 2	117½ July 8	115 Mar 1	118 Mar 11
400	4,050	$2 conv class A pfd	*	67	70	66½	68¾	62	64½	63 July 25	66½ July 2	62 May 8	69 Jan 11
20,300	279,900	Hershey Chocolate	*	32⅝	Sale	33	Sale	34⅞	Sale	32⅝ July 1	35 July 18	31⅛ Mar 26	37 Apr 4
66,700	455,500	Hertz Co (The)	1	44⅝	Sale	51	Sale	46⅜	Sale	46⅜ July 31	51½ July 3	41¾ Feb 12	54¾ Jun 7
105,400	533,500	Hess Oil & Chemical	50c	13¾	Sale	15¼	Sale	15⅞	Sale	15 July 2	16⅝ July 16	13⅛ Feb 20	17¼ May 3
34,100	436,400	Heublein Inc	1	16⅞	Sale	19⅞	Sale	19¼	Sale	19 July 22	20⅜ July 10	16¾ Jan 2	22¼ May 16
5,600	76,700	Hewitt-Robins Inc	5	19¾	Sale	22¼	Sale	22⅛	22½	21½ July 23	23 July 26	19⅝ Jan 3	24⅜ Feb 1
153,600	627,500	Hewlett-Packard Co	1	24¼	Sale	22	Sale	21⅝	Sale	21 July 29	23½ July 8	18½ Apr 9	27¼ Jan 14
		Heyden Newport Chemical—											
113,600	681,800	Common	1	15	Sale	20⅝	Sale	21⅛	Sale	20½ July 1	21⅜ July 10	14⅞ Jan 2	21⅜ July 10
790	4,510	3½% preferred ser A	100	74	75	94	95	97½	98	95 July 15	97½ July 29	74 Jan 4	97½ July 29
205,300	909,900	High Voltage Engineering	1	—	—	35	Sale	33⅝	Sale	32¼ July 22	38½ July 11	25¼ Apr 17	40⅜ Jun 12
11,000	74,200	Hill Corp	5	5⅞	6⅜	10⅜	Sale	—	—	10⅜ July 1	11⅛ July 11	6 Jan 8	11⅛ July 11
79,200	372,200	Hilton Hotels Corp	2.50	27⅞	Sale	24⅞	Sale	22	Sale	22 July 30	25⅝ July 9	22 July 30	28⅞ Jan 25
28,500	186,600	Hoffman Electronics Cp	50c	9½	Sale	8¼	Sale	7⅝	Sale	7¼ July 26	8¼ July 1	7¼ July 26	10⅜ Jan 4
8,900	73,800	Holland Furnace	5	3¾	Sale	4⅜	Sale	4	4⅛	4 July 23	4½ July 3	3¾ Jan 2	5⅛ Apr 26
28,100	508,100	Holly Sugar Corp	10	30	Sale	46¼	Sale	44	Sale	43¾ July 30	48⅜ July 10	30 Jan 2	51½ May 21
25,200	220,600	Holt Rinehart & Winston	1	29¾	Sale	31½	Sale	31¼	Sale	30⅝ July 22	33⅜ July 3	27⅜ Mar 19	34¼ Jun 14
83,300	334,100	Homestake Mining	12.50	43¼	Sale	50½	Sale	51¼	Sale	49 July 2	52⅞ July 24	43¼ Jan 2	52⅞ July 24
67,700	539,900	Hooker Chemical Corp com	5	35	Sale	37¼	Sale	36¼	Sale	35 July 30	39⅞ July 12	32½ May 6	39⅞ July 12
400	3,370	$4.25 preferred	*	93	93¾	94½	Sale	94½	Sale	93½ July 3	94½ July 1	93 Jan 3	99 May 9
320	2,580	$5 2nd preferred ser C	*	101½	Sale	103¾	Sale	103	104	103 July 22	104 July 15	101½ Jan 2	106½ May 9
10,200	147,800	Hoover Ball & Bearing Co	5	30⅝	Sale	45	Sale	43	Sale	40½ July 19	46 July 2	28 Feb 1	48¼ May 31
1,100	‡1,100	When issued	2.50	—	—	—	—	21½	Sale	21 July 24	21½ July 26	‡21 July 24	21½ July 26
13,500	128,500	Hotel Corp of America	1	2¾	2⅞	2⅞	Sale	2⅝	Sale	2⅝ July 31	3 July 2	2¾ Jan 21	3¼ Feb 15
800	6,900	5% conv preferred	25	15¼	Sale	15⅜	Sale	15⅜	16	15⅛ July 2	15¾ July 17	15⅛ Jun 21	17 May 31
22,500	224,200	Houdaille Indus Inc com	3	18⅝	Sale	25½	Sale	26	Sale	23¼ July 22	26¾ July 31	18⅝ Jan 2	27⅜ May 29
2,100	15,200	$2.25 conv preferred	50	40⅜	Sale	45¼	46	44⅜	Sale	44⅜ July 31	45¼ July 8	40⅜ Jan 2	46 May 6
40,900	489,600	Household Finance com	*	47¼	Sale	56	Sale	57½	Sale	56 July 1	57⅞ July 31	45½ Jan 9	57⅞ July 31
540	3,860	3¾% preferred	100	80½	81¾	85	Sale	82	84	81¼ July 22	85 July 1	80½ Jan 8	88 Mar 26
570	1,270	4% preferred	100	87½	89	88¾	Sale	89	90½	87½ July 10	89 July 26	87½ July 10	92½ Mar 21
340	1,800	4.40% preferred	100	97½	98½	97⅜	100	96	98	95 July 18	97⅜ July 12	95 July 18	100 May 9
97,600	‡252,100	Houston Light & Power	*	—	—	44¼	Sale	43⅜	Sale	42 July 26	44¾ July 1	‡42 May 6	47¾ May 23
19,600	181,500	Howard Johnson Co	1	39⅝	Sale	47⅜	Sale	48¼	Sale	47 July 17	50½ July 5	39⅝ Jan 2	50½ July 5
1,700	56,200	Howard Stores Corp	1	9⅝	Sale	11	11¼	11	11¼	11 July 3	11¼ July 15	9⅝ Jan 2	13⅜ Apr 24
77,700	445,200	Howe Sound Co	1	12⅝	Sale	13¼	Sale	13	Sale	12⅝ July 10	13½ July 2	11⅛ Jan 2	14 Jun 20
13,200	84,900	Hudson Bay Mining & Smelting Co Ltd	*	47½	Sale	51½	Sale	51½	Sale	50 July 19	53 July 3	47⅜ Jan 2	55¼ May 6
		Hunt Foods & Industries—											
51,800	704,000	Common	5	32⅞	Sale	32½	Sale	32½	Sale	31½ July 29	33⅞ July 9	28¾ May 3	36½ Jun 7
610	10,200	5% preferred ser A	100	98¼	99	100¼	Sale	103	Sale	100 July 5	103 July 30	98¼ Jan 10	103 Jun 14
860	2,700	5% preferred ser B	100	98	99½	99	Sale	100	Sale	99 July 1	100½ July 12	98¾ Feb 20	103 Jun 4
62,800	661,000	Hupp Corp common	1	7⅞	Sale	7⅛	Sale	6¾	Sale	6¾ July 23	7¼ July 3	6¾ July 23	8¾ Jan 14
200	3,800	5% preferred ser A	50	40¾	41½	43	44¼	43	44¼	43¼ July 26	44¼ July 17	40⅝ Jan 8	45 Jun 14
9,800	74,000	Hussmann Refrigerator	5	16¼	Sale	17⅜	Sale	16⅞	Sale	16⅜ July 30	17⅝ July 5	16⅛ Jan 30	18 Apr 5
31,300	226,300	Idaho Power Co	5	33	Sale	33¼	Sale	32⅜	Sale	32¼ July 31	34⅞ July 11	32¼ July 31	36½ May 23
40,400	425,200	Ideal Cement Co	5	21⅞	Sale	24¾	Sale	23½	Sale	23½ July 31	25 July 2	21 Mar 18	26⅞ May 24
93,000	365,000	Illinois Central Industries	*	—	—	56⅝	Sale	54	Sale	51½ July 24	59⅜ July 10	45⅛ Apr 5	59⅜ July 10
12,900	333,000	Illinois Central RR Co	*	39⅜	Sale	55¼	Sale	50⅞	Sale	49½ July 23	56½ July 5	39⅜ Jan 2	57¾ Jun 25
		Illinois Power Co—											
34,900	392,400	Common	15	38¾	Sale	38½	Sale	39½	Sale	37⅞ July 15	39⅝ July 31	34½ Mar 6	41⅝ Jun 3
1,980	9,240	4.08% preferred	50	46	46½	46⅝	47	46⅜	46¾	46¼ July 15	47 July 8	45⅞ Jan 8	48 Feb 21
340	1,350	4.26% preferred	50	48	48½	48½	49¼	47¾	48¾	48 July 23	48½ July 17	47 Apr 29	49¼ Jun 25
60	4,100	4.70% preferred	50	51½	52½	52	52½	51½	52½	51½ July 16	52¼ July 18	51¼ Feb 25	53 Jan 30
360	860	4.42% preferred	50	49¼	50	49¾	50½	50	Sale	50 July 16	50⅝ July 5	49 May 14	50⅞ Mar 20
10	3,210	4.20% preferred	50	47½	48	48½	50	48	49¼	49 July 18	49 July 18	47 Jan 7	49½ Feb 20
23,100	215,200	Indiana General Corp	1	30¼	Sale	32	Sale	28	Sale	27½ July 23	33¼ July 12	27½ Apr 22	36¾ Jan 29
17,200	139,800	Indianapolis Power & Lt	*	30	Sale	32	Sale	32½	Sale	30⅞ July 12	33⅛ July 18	29⅝ Feb 25	33¼ July 12
		Industria Electrica											
6,900	38,400	De Mexico S A	100p	5⅞	6	5¾	Sale	5⅝	Sale	5⅜ July 5	5¾ July 1	5⅜ July 5	6¼ Jan 9
27,900	360,600	Ingersoll-Rand common	*	66¼	Sale	80½	Sale	79¾	Sale	76½ July 25	81¼ July 12	65 Jan 2	81¼ Jun 24
----	110	6% preferred	100	153½	160	155	162½	155	162½	---- ----	---- ----	155 Jan 28	157½ Jun 10
95,400	878,300	Inland Steel Co	*	37½	Sale	39½	Sale	41	Sale	38¼ July 16	41⅛ July 30	36 Mar 1	42⅞ Jun 3
28,400	‡137,700	Inspiration Cons Copper	10	—	—	35½	Sale	33¾	Sale	33½ July 29	37¼ July 15	‡32⅞ Apr 24	38⅜ May 23
20,000	196,100	Interchemical Corp com	5	31¼	31½	31⅝	Sale	33⅞	Sale	31⅝ July 1	34⅜ July 18	30⅝ Feb 4	35⅞ Apr 10
350	3,540	4½% preferred	100	97¼	97½	98¼	Sale	99	Sale	97⅞ July 19	99 July 3	96 Mar 5	99½ Jun 7
15,600	142,500	Interlake Iron Corp	1	23½	Sale	24⅞	Sale	24⅛	Sale	23⅞ July 25	24⅞ July 1	23½ Jan 2	26¾ Apr 15
224,800	1,513,000	Int'l Business Machines	5	388½	Sale	436¼	Sale	434½	Sale	425¼ July 24	448 July 31	384¼ Jan 2	478¾ Jun 3
86,900	715,000	Inter Harvester common	*	49¾	Sale	57⅝	Sale	54⅝	Sale	53½ July 22	59⅞ July 9	49½ Jan 2	63⅛ May 20
3,580	160,120	7% preferred	100	157⅛	Sale	161¾	Sale	161¾	Sale	160⅜ July 11	165½ July 30	157⅛ Jan 2	175 Jan 17
75,100	396,600	International Minerals & Chemical Corp com	5	41¾	Sale	51¾	Sale	51	Sale	50 July 3	54½ July 12	40¼ Jan 3	56⅝ May 22
200	3,500	4% preferred	100	83	85½	84½	87	85	87	84½ July 18	86 July 23	83¾ Jan 15	87 Jun 18
1,300	‡19,800	International Mining	1⅔	—	—	9⅜	9⅞	9¼	9⅝	9¼ July 24	9⅝ July 29	‡9 Jun 13	11¼ Jan 30
125,500	1,078,300	Internatl Nickel of Canada	*	62⅜	Sale	61¼	Sale	57¼	Sale	57⅛ July 31	62¼ July 3	57⅛ July 31	68¼ Feb 1
80,000	1,102,100	International Packers Ltd	1	17¾	Sale	17	Sale	15⅝	Sale	14¾ July 31	17⅛ July 1	14¾ July 29	20¾ Mar 14
		International Paper—											
191,600	2,026,600	Common	2.50	26⅜	Sale	30⅜	Sale	28⅝	Sale	28¼ July 25	30½ July 1	26⅛ Jan 2	32½ Apr 8
1,000	7,800	$4 preferred	*	98½	Sale	99⅜	99¾	99⅝	100½	99⅜ July 16	99½ July 3	98 Jan 16	99¾ May 20
9,300	98,100	Intl Pipe & Ceramics Corp	1	28	29	33⅜	Sale	32⅛	Sale	31¾ July 16	34¼ July 10	26¾ Feb 18	35¼ Jun 25
1,100	29,900	5% conv preferred	100	104¼	Sale	111	112⅜	112	Sale	112 July 24	114¼ July 15	104 Jan 4	114¼ July 15
5,800	19,400	Internatl Rys of Cent Am	*	10¾	11⅛	6½	7½	7⅜	Sale	5½ July 19	7½ July 23	5½ July 19	11 Jan 29
1,830	27,650	5% preferred	100	49	50	50½	Sale	50⅛	51¼	50 July 3	51 July 25	48½ Jan 21	64⅞ Jan 25
36,900	381,800	International Rectifier	1	9⅛	Sale	9⅝	Sale	8½	Sale	8⅛ July 29	10⅛ July 9	7⅝ May 7	10⅝ Jan 28
24,800	332,200	Int'l Resistance Co	10c	27⅝	Sale	22½	Sale	22⅜	Sale	20⅜ July 16	23½ July 31	20⅛ Apr 22	29⅜ Feb 7
5,000	59,100	International Salt	*	71¾	Sale	83¾	84¾	83	Sale	82 July 29	85 July 11	71 Mar 4	86 Jun 11
31,300	194,400	International Shoe Co	*	25⅛	Sale	25¾	Sale	24⅜	Sale	24⅜ July 31	26⅛ July 5	24⅜ July 31	28¼ Apr 23
		International Silver—											
10,800	174,600	Common	1	34⅝	Sale	35⅝	Sale	35	Sale	34 July 24	37 July 3	34 July 24	41¾ Jan 25
----	500	7% preferred	25	39⅛	40½	39	40½	39	40½	---- ----	---- ----	39⅛ Jan 18	39½ Jun 7
148,400	1,158,400	International Tel & Tel	*	42½	Sale	49¾	Sale	49¼	Sale	48⅛ July 19	51½ July 11	41¾ Jan 2	51½ July 11
2,750	14,590	4% conv pfd series B	100	100¼	Sale	104¾	Sale	106¼	Sale	104¼ July 2	108 July 16	99½ Jan 3	108 July 16
9,910	38,930	4% conv pfd series C	100	—	—	103½	Sale	104¼	105½	102¾ July 1	105½ July 16	101¼ May 22	105½ July 16
		International Utilities—											
15,800	‡24,100	New common	2.50	—	— x	22⅛	22¾	21¾	Sale	21½ July 19	23¼ July 23	‡21½ July 19	25⅜ Jun 6
3,000	46,500	$2 conv preferred	25	44½	Sale	45¾	46½	44¾	45¾	45 July 29	47⅜ July 9	44½ Jan 2	52 Jun 3
34,200	522,600	Interstate Dept Stores	1	28⅝	Sale	36⅜	Sale	36⅝	Sale	35⅝ July 1	38½ July 18	28¼ Jan 2	40⅜ May 21
		Interstate Motor Freight											
46,300	83,100	System	1	—	—	25¼	Sale	23¼	Sale	22½ July 26	26 July 3	22½ July 26	27½ Jun 24
15,000	166,800	Interstate Power Co	3.50	23⅞	Sale	26	Sale	26⅛	Sale	25⅜ July 24	26½ July 26	23⅞ Jan 2	28¼ May 2
13,600	‡26,500	Iowa Elec Lt & Power	2.50	—	—	29¼	Sale	28⅜	Sale	27⅝ July 24	29½ July 2	‡27⅝ July 24	31⅞ May 28
9,800	88,300	Iowa-Illinois Gas & Elec	1	49¼	Sale	54⅛	Sale	53	Sale	52⅛ July 24	54⅛ July 1	49 Jan 3	55½ Apr 3
9,400	190,200	Iowa Power & Light Co	10	50	Sale	56⅞	Sale	57	57½	56¾ July 22	57¾ July 5	49⅝ Jan 3	58½ May 21
29,700	313,600	Island Creek Coal com	50c	19¾	Sale	24¼	Sale	24¾	Sale	23⅝ July 30	25⅛ July 18	19¾ Jan 2	27 Mar 25
540	1,240	$6 preferred	1	120	122½	131	Sale	128½	130	128½ July 16	131 July 1	121 Apr 16	131 July 1
13,400	148,900	I-T-E Circuit Breaker Co	5	14	Sale	16	Sale	14	14¼	14¼ July 26	16 July 1	13⅞ Jan 2	17⅞ Apr 23
7,300	85,000	Jaeger Machine Co	5	10⅛	Sale	12	Sale	11½	Sale	11¼ July 29	12¼ July 9	10 Jan 2	13¾ May 6
41,800	185,100	Jefferson Lake Sulphur Co	1	16	Sale	15½	Sale	16⅞	Sale	15¼ July 1	17¾ July 11	14⅜ May 7	19¼ Feb 1
		Jersey Central Pwr & Lt—											
660	7,080	4% preferred	100	86	Sale	88	Sale	88	Sale	86 July 12	88 July 1	84¼ Jan 7	90 May 15
21,400	145,700	Jewel Tea Inc common	1	50¼	Sale	54½	Sale	52½	Sale	51¾ July 2	59 July 15	50⅛ Jan 29	61¼ Apr 30
50	330	3¾% preferred	100	86¼	87½	89½	90½	88	90	89¼ July 18	89¼ July 18	85¼ Feb 5	89¼ Jun 20
89,500	747,300	Johns-Manville Corp	5	43	Sale	47¼	Sale	46½	Sale	46¼ July 1	48⅜ July 18	42 Jan 2	51½ Jun 6
9,200	128,300	Johnson & Johnson	5	74	Sale	87	Sale	87	Sale	83¼ July 23	87¾ July 15	73½ Jan 2	90½ May 21
84,300	891,600	Jonathan Logan Inc	50c	15½	Sale	21	Sale	18¾	Sale	18⅝ July 26	21¼ July 1	15⅜ Mar 6	21¼ Jun 24
		Jones & Laughlin											
97,400	1,205,990	Steel Corp common	10	47⅞	Sale	54¼	Sale	53⅞	Sale	52⅝ July 8	55¼ July 17	47½ Jan 2	58⅜ Apr 15
1,370	11,890	5% preferred ser A	100	101½	Sale	104½	Sale	104½	Sale	104 July 8	105 July 19	100½ Jan 8	105½ Apr 24
4,000	51,800	Jorgensen (Earle M) Co	1	13⅝	Sale	14¼	Sale	14	14⅛	14 July 12	14⅝ July 17	13½ Jan 4	15¼ Apr 19
72,800	605,300	Joy Manufacturing Co	1	19⅞	Sale	24⅞	Sale	26	Sale	22⅞ July 16	26⅛ July 31	19⅝ Jan 2	26¼ May 15

For footnotes, see page 29.

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Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY — July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
64,600	635,800	Kaiser Alum & Chem	33⅓c	35½	Sale	37⅜	Sale	33⅝	Sale	32¾ July 26	39⅞ July 11	32½ Mar 1	42⅛ Jun 5
2,000	15,600	4⅛% conv preferred	100	90	Sale	95½	Sale	96	100	95½ July 1	100¼ July 19	90 Jan 2	100¼ July 19
1,200	10,000	4¾% preferred	50	50¾	52	50¼	Sale	51¼	Sale	50¼ July 1	51½ July 31	50 Mar 25	51⅝ Jan 9
1,400	17,400	4¾% cv pfd (57 ser)	100	104½	105¼	110½	Sale	111	Sale	110½ July 1	113½ July 16	104½ Jan 4	113½ July 16
600	3,900	4¾% cv pfd (59 ser)	100	106	106½	108½	110	105½	109	108 July 5	108 July 5	106 Jan 7	110 Jan 31
23,800	‡113,500	Kansas City Pow & Lt Co— Common	*	—	—	38½	Sale	39½	40¼	37¾ July 3	40½ July 29	‡37½ May 28	40¾ Feb 26
190	830	3.80% preferred	100	81	82	84½	85½	85½	86½	84½ July 2	86 July 19	81 Jan 24	86 July 19
1,050	2,140	4% preferred	100	95	Sale	94⅞	Sale	96	97	94⅞ July 1	96½ July 17	93 Feb 12	96½ July 17
410	2,440	4½% preferred	100	100¾	102	101¼	Sale	100½	101¾	100 July 19	101¾ July 24	99¾ May 10	102 Mar 7
200	1,750	4.20% preferred	100	94½	95	95⅞	97	97	98½	95½ July 23	97 July 17	95¼ Jan 10	97½ May 2
640	4,810	4.35% preferred	100	97½	98½	99⅜	101	99½	Sale	98 July 10	99½ July 31	98 July 10	100¾ Apr 1
28,800	381,000	Kansas City South Ind	*	38⅞	Sale	46⅝	Sale	43¾	Sale	42¾ July 23	47 July 3	38¼ Jan 4	48¾ Jun 25
2,900	57,300	Noncumulative pfd	25	19¼	19¾	20⅝	21⅛	20¾	Sale	20½ July 3	21⅛ July 8	19⅝ Jan 8	21¾ Mar 25
14,900	169,100	Kansas Gas & Elec Co	*	27½	Sale	32	Sale	32	Sale	31¾ July 1	33½ July 15	27⅜ Jan 2	34½ May 15
11,500	83,800	Kansas Power & Lt Co	8.75	48	Sale	50¼	Sale	51¼	Sale	50 July 1	51¾ July 25	48 Jan 2	53⅞ Feb 26
207,600	1,228,400	Kayser-Roth Corp	1	16¾	Sale	19⅞	Sale	21⅜	Sale	19½ July 1	22⅛ July 10	16½ Mar 18	22⅛ July 10
23,800	235,900	Kellogg Co	50c	56	Sale	71½	Sale	75⅞	Sale	70 July 24	76½ July 31	55 Jan 3	76½ July 31
34,200	228,100	Kelsey Hayes Co	1	33⅛	Sale	40	Sale	39½	Sale	37⅛ July 24	40⅜ July 2	33 Jan 2	42 Jun 21
15,400	161,500	Kendall Co	8	30	Sale	38	Sale	37⅛	Sale	37⅛ July 31	40⅞ July 11	30 Jan 2	40⅞ July 11
86,700	911,600	Kennecott Copper Corp	*	66¼	Sale	72½	Sale	72½	Sale	71½ July 1	73⅞ July 3	66¼ Jan 2	79½ May 2
38,300	207,200	Kern County Land Co	2.50	73¼	Sale	71⅞	Sale	66⅞	Sale	66¼ July 24	72 July 3	66¼ July 24	78¾ Jan 10
107,700	986,500	Kerr-McGee Oil Industries	1	34¾	Sale	39⅜	Sale	38½	Sale	36⅝ July 19	40⅞ July 8	34⅜ Jan 2	42¾ Apr 22
7,500	43,800	Keystone Steel & Wire	1	33½	34	35⅞	Sale	36½	Sale	35⅞ July 1	37 July 9	34 Jan 3	37⅜ Jan 9
106,100	622,700	Kimberly Clark Corp	5	53¾	Sale	58⅞	Sale	63¾	Sale	58¼ July 1	63¾ July 30	52⅜ Mar 13	63¾ July 30
24,900	195,700	King-Seeley Thermos Co	1	33	Sale	45	Sale	43⅝	Sale	41¾ July 17	45⅞ July 5	32⅛ Jan 2	49½ Jun 21
2,700	32,700	KLM Royal Dutch Air	100G	12	Sale	15¾	Sale	15	Sale	14¾ July 22	15¾ July 1	12 Jan 2	16⅝ May 31
14,300	135,000	Koppers Co Inc common	10	39½	Sale	40½	Sale	41	Sale	40⅛ July 1	42¼ July 29	39¼ Mar 8	43⅞ Apr 16
1,080	7,660	4% preferred	100	85	85¾	89	Sale	87⅝	88	87 July 18	89 July 1	84½ Jan 10	89 Mar 22
142,400	1,763,700	Korvette (E J) Inc	1	28½	Sale	28⅞	Sale	26¼	Sale	26 July 29	29⅛ July 1	25 Mar 22	32⅞ Jan 28
26,400	284,500	Kresge (S S) Co	10	21⅝	Sale	23	Sale	22⅞	Sale	22⅝ July 23	23½ July 12	21½ Jan 2	25¼ Jan 15
223,800	467,700	Kress (S H) & Co	10	16¼	Sale	17¾	Sale	21¾	Sale	17⅛ July 17	22⅜ July 25	16¼ Jan 2	22⅜ July 25
9,500	60,600	Kroehler Mfg Co	5	13½	14	14¾	Sale	16	Sale	14¾ July 1	16⅝ July 18	13¼ Jan 22	16⅝ July 18
85,500	711,200	Kroger Company	1	23¾	Sale	29	Sale	30	Sale	28⅝ July 1	30¼ July 10	23¾ Jan 2	30½ Jun 11
30,200	127,000	KVP Sutherland Paper Co	5	27⅜	Sale	31½	Sale	29¾	Sale	29¼ July 24	33 July 2	27⅜ Jan 2	34½ Apr 10
55,400	336,800	Laboratory for Electronics	1	13⅛	Sale	11¼	Sale	11¾	Sale	11⅛ July 1	13½ July 9	10½ May 7	15⅞ Jan 15
10,000	121,500	Laclede Gas Co	4	27¾	Sale	29⅝	Sale	30	Sale	29⅛ July 1	30½ July 17	27¾ Jan 2	35⅜ May 7
----	200	4.32% preferred ser A	25	38	43	45	55	45	50	— —	— —	47⅞ Mar 29	51⅛ Apr 26
7,100	108,200	Lane Bryant	*	24½	Sale	24¾	Sale	24¾	25⅛	24½ July 1	25½ July 10	22½ Mar 7	27⅜ May 9
20,100	183,100	Lanvin-Parfums Inc	1	22	22⅜	21⅝	Sale	23	Sale	21⅛ July 17	23¾ July 19	19½ Mar 12	25⅛ Jan 15
130,000	807,700	Lear Siegler Inc	1	16	Sale	16	Sale	16⅝	Sale	15½ July 2	17¼ July 15	15 Apr 2	18⅜ Jan 14
21,700	269,600	Lee Rubber & Tire	5	13¾	14	17¾	Sale	15⅞	Sale	15¼ July 30	18⅛ July 11	13⅞ Jan 3	20⅜ Feb 14
61,000	655,700	Leesona Corp	5	22¼	Sale	34½	Sale	36¼	Sale	33⅛ July 8	37½ July 31	21 Apr 17	37¾ Jun 20
35,900	402,800	Lehigh Portland Cement	15	16⅞	Sale	19⅜	Sale	17¾	Sale	17 July 24	19½ July 3	16¾ Jan 2	20¼ Jun 19
35,400	347,200	Lehigh Valley Indus com	50c	1⅜	Sale	1⅜	Sale	1⅜	Sale	1¼ July 1	1⅜ July 1	1¼ May 4	1¾ Feb 12
1,100	11,000	$1.50 conv pfd series A	*	22	22½	21¾	22	21⅜	21⅞	21½ July 18	22 July 3	21½ July 18	23 Jan 31
62,600	468,300	Lehman Corp (The)	1	27⅛	Sale	29⅛	Sale	30	Sale	28⅞ July 1	30⅜ July 12	26¾ Jan 2	30⅜ July 12
12,600	132,700	Lehn & Fink Products	1	34	Sale	32½	Sale	31½	Sale	30⅛ July 16	32¾ July 5	30⅛ July 16	39½ Jan 22
8,000	94,900	Leonard Refineries Inc	3	9½	Sale	11⅜	Sale	10¾	11	10⅝ July 29	11⅜ July 11	9⅜ Jan 2	11⅞ Jun 20
146,000	806,900	Libbey-Owens-Ford Glass	5	52	Sale	52	Sale	52⅛	Sale	50⅞ July 24	53 July 5	50⅞ July 24	55⅝ Jan 18
25,300	1,219,900	Libby McNeil & Libby	7	12½	Sale	14⅞	Sale	14⅝	Sale	14⅝ July 17	15 July 1	12⅛ Mar 26	16⅜ May 2
48,700	538,500	Liggett & Myers Tob com	25	66¾	Sale	73¾	Sale	74½	Sale	73 July 17	76¼ July 9	66½ Jan 2	83⅞ May 6
1,060	6,790	7% preferred	100	150	Sale	151½	153	150⅜	Sale	150⅜ July 31	152½ July 8	150 Jan 2	159½ Apr 3
126,000	480,100	Lily Tulip Cup Corp	5	43¼	Sale	41⅝	Sale	38⅜	Sale	38 July 30	42¼ July 11	38 July 30	47⅛ Mar 29
195,800	868,100	Ling-Temco-Vought Inc	50c	16¼	Sale	14¼	Sale	16⅜	Sale	13½ July 10	17¼ July 31	13½ July. 10	18¼ Feb 27
16,800	145,400	Link Belt Co	5	47¼	Sale	52⅛	Sale	51	Sale	49½ July 19	52⅛ July 1	46½ Jan 2	54 Jun 4
53,100	1,481,800	Lionel Corp (The) com	2.50	5¾	Sale	5	Sale	5	Sale	5 July 1	5⅜ July 2	4¾ Feb 28	7¾ Mar 14
700	20,000	3¾% non-cum conv pfd	20	16½	17	16¾	17	15	16	16 July 17	17 July 3	15 Feb 28	22 Mar 14
265,500	2,426,300	Litton Industries Inc	1	65	Sale	74⅜	Sale	70½	Sale	69¼ July 29	77⅜ July 11	57½ Mar 1	78⅞ Jun 5
234,800	1,769,200	Lockheed Aircraft	1	54⅛	Sale	57⅜	Sale	49¾	Sale	48 July 22	57⅜ July 1	48 July 22	58¼ May 13
38,400	‡51,800	New common	1	—	—	43¼	Sale	37¾	Sale	36½ July 22	43¼ July 1	‡36½ July 22	44 Jun 25
59,400	596,200	Loew's Theatres Inc	1	21½	Sale	18⅝	Sale	18⅜	Sale	18⅛ July 15	18⅞ July 3	17⅛ Mar 22	23¾ Jan 4
76,700	819,100	Lone Star Cement	4	18½	Sale	19⅞	Sale	20	Sale	19⅞ July 1	21⅜ July 11	17⅞ Jan 2	23⅛ May 24
179,300	1,133,000	Lone Star Gas common	10	22½	Sale	23¼	Sale	22¾	Sale	22¾ July 9	23½ July 2	22 Feb 28	24¼ Feb 15
10	600	4.84% preferred	100	132	140	138	160	136½	160	136½ July 24	136½ July 24	132½ Jan 7	143¼ Feb 14
77,200	‡318,700	Long Island Lighting— New common	5	—	—	32⅛	Sale	31⅞	Sale	31⅝ July 16	33 July 3	‡29⅞ Apr 17	34½ Jun 12
50	1,090	5% series B pfd	100	103	104	105	106½	105½	108	106½ July 2	107 July 2	104 Jan 7	107 July 2
50	170	4.25% series D pfd	100	94	95½	94⅞	95½	97½	98½	94⅞ July 8	95¼ July 11	94½ Mar 8	96½ Mar 4
80	2,310	4.35% series E pfd	100	96	97	97¼	100	95¾	97	98½ July 29	98½ July 29	96 Jan 16	99 Apr 5
251,600	670,400	Loral Electronics Corp	25c	—	—	15½	Sale	16⅞	Sale	15 July 1	18⅜ July 12	$12⅜ Apr 4	18⅜ July 12
107,400	1,108,800	Lorillard (P) common	5	42¼	Sale	46⅜	Sale	44½	Sale	44½ July 22	47½ July 10	42⅛ Jan 2	54⅞ Apr 17
420	6,190	7% preferred	100	143	Sale	147½	Sale	150	Sale	147½ July 1	150 July 26	142¾ Jan 3	152½ May 27
33,300	277,400	Louisville Gas & Elec (Ky)	*	32½	Sale	36⅜	Sale	36⅜	Sale	35⅜ July 26	37 July 18	32 Jan 7	39 Jun 4
47,900	299,700	Louisville & Nashville	50	59¾	Sale	81½	Sale	76½	Sale	75¼ July 29	82½ July 2	59¾ Jan 2	82½ July 2
12,500	200,100	Lowenstein (M) & Sons	1	9⅜	Sale	11⅜	Sale	11	Sale	10⅝ July 17	11½ July 1	9⅜ Jan 2	12⅜ Apr 29
10,200	211,300	Lukens Steel Co	3.33⅓	39½	Sale	41⅞	Sale	40⅝	Sale	40 July 22	43 July 10	39½ Jan 2	49⅞ Apr 15
11,500	155,300	Lykes Bros Steamship Co	10	15½	Sale	18	Sale	17½	Sale	16⅞ July 8	18 July 1	15½ Jan 2	19⅛ May 20
5,800	54,400	MacAndrews & Forbes	10	24¼	Sale	27¾	28¼	26½	Sale	26½ July 24	28 July 12	24 Jan 2	30 Jan 17
70,800	522,500	Mack Trucks Inc common	5	36¼	Sale	41⅛	Sale	38⅝	Sale	38 July 9	41¼ July 1	36⅛ Jan 2	46⅞ Apr 15
900	19,800	5¼% preferred (x w)	50	46½	46⅞	51	52	50	51½	50½ July 25	52 July 15	46¼ Jan 3	52 May 27
14,400	207,200	Macy (R H) Co Inc com	1	56¼	Sale	64⅝	Sale	63	Sale	62½ July 24	65½ July 8	56 Jan 2	67¼ Jun 3
2,070	15,180	4¼% pfd series A	100	92	93½	95⅜	95¾	92½	94	92 July 23	95⅜ July 2	92 Jan 7	96½ Apr 2
28,700	382,300	Madison Fund Inc	1	22⅝	Sale	20⅝	Sale	20¾	Sale	20¼ July 1	21 July 3	19¾ Mar 1	24 Jan 8
77,500	514,700	Madison Square Garden	1	1¾	Sale	1⅝	Sale	2	Sale	1½ July 9	2 July 31	1½ July 9	2½ Jan 16
3,600	35,100	60c conv preferred	*	8⅝	Sale	8⅜	8⅝	8¾	Sale	8¼ July 18	8¾ July 12	8¼ July 18	9¾ Jan 16
27,100	‡50,200	Magma Copper Co	3⅓	—	—	25¼	Sale	26½	Sale	25¼ July 1	26¾ July 31	‡25 Jun 26	27¾ May 15
219,200	1,772,300	Magnavox Co (The)	1	36¾	Sale	42¼	Sale	39	Sale	37⅝ July 23	43½ July 9	35½ Jan 2	45⅝ Jun 24
19,100	162,600	Mallory (P R) & Co	1	42¼	Sale	39⅝	Sale	37⅜	Sale	36½ July 30	40¾ July 9	36½ July 30	48⅜ Feb 7
4,900	86,100	Manhattan Shirt Co	5	22¾	Sale	30¼	Sale	29¼	Sale	27 July 23	30¼ July 1	22¾ Jan 2	33½ May 24
1,900	44,900	Manning Maxwell & Moore Inc	12.50	21½	22	23½	23⅞	23	Sale	22⅞ July 18	23½ July 2	21¾ Jan 3	25½ May 14
23,600	103,300	Maracaibo Oil Exploration	1	5½	5⅞	7½	Sale	9	Sale	7¼ July 5	9 July 31	5⅜ Jan 7	9 July 31
87,700	705,900	Marathon Oil Co	*	44¾	Sale	57⅜	Sale	54⅞	Sale	53¼ July 22	59⅜ July 8	43½ Feb 27	59⅜ July 8
36,700	424,100	Maremont Corp	1	31	Sale	27⅝	Sale	25	Sale	23¼ July 26	27⅝ July 1	23¼ July 26	35 Jan 23
43,800	387,900	Marine Midland Corp	5	27¼	Sale	33	Sale	33⅝	Sale	32¾ July 8	34½ July 16	26¾ Jan 2	34½ July 16
58,500	385,800	Marlin-Rockwell Corp	1	24¾	Sale	29¾	Sale	31½	Sale	29½ July 1	33⅞ July 22	24⅜ Jan 2	33⅞ July 22
26,000	413,100	Marquardt Corp	1	12⅜	Sale	11¾	Sale	11½	Sale	11⅛ July 26	12⅝ July 12	10¾ Jun 11	15⅝ Feb 26
18,800	161,700	Marquette Cement Mfg Co	4	37½	Sale	37¼	Sale	33¾	Sale	33¼ July 24	38⅝ July 3	33¼ July 24	40⅝ May 23
23,400	178,700	Marshall Field & Co	*	33⅝	Sale	33⅞	Sale	35¼	Sale	33¼ July 1	35¼ July 31	32 Apr 3	38¼ Feb 5
242,700	2,468,500	Martin-Marietta Corp	1	21⅝	Sale	19⅛	Sale	18½	Sale	18 July 26	20 July 5	18 July 26	22⅝ Jan 30
42,100	292,600	Masonite Corp	*	36½	Sale	42¾	Sale	40¼	Sale	39 July 22	42¾ July 1	36¼ Jan 10	46⅛ Jun 13
63,300	406,700	May Dept Stores common	5	54¼	Sale	58⅞	Sale	63⅜	Sale	58⅜ July 1	63⅜ July 31	53 May 27	63⅜ July 31
340	2,890	$3.75 preferred 1945	*	82¼	Sale	84¼	86	85	86½	84½ July 3	85½ July 10	82¼ Jan 2	87½ Jun 4
300	3,680	$3.75 preferred 1947	*	81½	83	85	87	85	86½	84½ July 3	86½ July 18	83 Feb 26	86½ Jun 10
190	1,370	$3.40 preferred	*	73½	74½	75	77	76	78	75 July 29	77 July 16	75 July 29	77 July 16
100	1,150	3¾% pfd series 1959	100	82	83	85	86½	85	Sale	85 July 11	85⅛ July 2	82 Jan 3	87 Apr 2
12,100	141,500	Mays (J W) Inc	1	14⅞	Sale	17⅜	Sale	16⅞	Sale	16½ July 5	17⅝ July 18	14⅞ Jan 2	19⅝ Jun 21
18,800	333,200	Maytag Co (The)	*	29⅞	Sale	35¼	Sale	35½	Sale	35⅛ July 2	35⅞ July 5	29½ Jan 2	37¼ May 16
27,700	278,600	M C A Inc common	*	49¼	Sale	54	Sale	55	Sale	53⅞ July 1	55⅞ July 9	48 Jan 2	59⅝ Jun 5
9,200	124,600	$1.50 conv pfd	*	34¼	Sale	37⅝	Sale	36⅛	Sale	36⅛ July 30	37⅞ July 3	34¼ Jan 2	38 Jun 13
5,500	63,300	McCall Corp	*	22¼	Sale	28¼	Sale	25¾	26	25¼ July 26	28¼ July 1	19¼ Mar 4	29 Jun 18
6,600	58,000	McCord Corp	3	22⅝	Sale	21⅝	Sale	21⅞	Sale	21 July 16	21⅞ July 5	20⅝ Apr 5	23⅞ Jan 28
56,300	564,200	McCrory Corp common	50c	16⅛	Sale	12⅜	Sale	12¾	Sale	12¼ July 1	13⅝ July 12	11⅜ May 17	17¾ Mar 4
390	3,190	3½% conv preferred	100	82	83	72⅛	74	77½	80	72¼ July 11	78 July 18	72⅛ Jun 27	89 Feb 7
4,440	20,040	$6 conv preferred	100	83½	Sale	81	Sale	80½	Sale	79 July 23	81½ July 2	78½ Jun 27	94 Mar 4
50	760	5½% conv pref B	100	105	120	94⅛	97	94⅛	97	94⅛ July 3	94⅛ July 3	94⅛ July 3	108 Apr 19
1,620	16,370	4½% conv pref B	100	65	Sale	63⅜	Sale	63¼	64	60 July 23	64½ July 26	60 May 21	73¾ Mar 13
105,000	1,540,900	McDermott (J Ray) & Co	1	23½	Sale	24¾	Sale	24¼	Sale	23¾ July 26	26¼ July 5	22¾ Jan 10	31½ Apr 26
78,200	655,900	McDonnell Aircraft	2.50	57¾	Sale	56	Sale	54	Sale	52¼ July 23	58⅞ July 12	50⅞ Apr 1	60¼ Feb 6
73,600	527,100	McGraw-Edison Co	1	37¼	Sale	38⅜	Sale	38⅞	Sale	37¾ July 2	40⅜ July 11	34½ Feb 12	40⅝ May 16
37,800	510,100	McGraw-Hill Publishing	1	23⅝	Sale	28⅞	Sale	28½	Sale	28½ July 18	29½ July 15	23⅜ Jan 2	29½ July 15

For footnotes, see page 29.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
		McGregor-Doniger Inc—											
2,000	35,200	Class A	1	16⅜	16½	17¾	18¼	17	Sale	17 July 31	18 July 8	16 Jan 22	18¾ Mar 26
12,900	125,100	McIntyre Porcupine Mines	*	40¼	Sale	47	Sale	44¾	Sale	43½ July 30	47 July 1	40 Jan 3	51 Apr 22
10,200	70,400	McKee (A G) & Co	*	11	Sale	15½	Sale	15⅞	Sale	14¾ July 25	15⅞ July 31	10⅞ Jan 2	18⅛ May 1
25,700	405,400	McKesson & Robbins	18	40⅞	Sale	44¼	Sale	45¼	Sale	43¾ July 1	46½ July 8	39¼ Jan 3	51⅜ May 14
27,700	242,900	McLean Trucking Co	1	10	Sale	10½	Sale	10⅞	Sale	10¼ July 2	11¼ July 11	9⅞ Jan 2	12 Feb 13
6,300	136,300	McNeil Mach & Eng	*	24¼	Sale	27	Sale	24⅞	Sale	24½ July 30	27 July 1	23⅞ Jan 3	29⅝ Mar 29
13,100	50,200	McQuay-Norris Mfg Co	10	21¼	22	21¼	Sale	20½	Sale	20 July 25	21⅜ July 5	20 July 25	23⅝ Feb 1
33,700	182,600	Mead Corp common	5	39	Sale	44¼	Sale	38¾	Sale	38 July 29	44½ July 1	38 July 29	45½ Feb 21
130	1,980	4¼% pfd 1st series	100	93	95	95¾	98	96	97½	96½ July 22	96¾ July 19	93½ Jan 7	97 Jun 20
6,200	78,500	Medusa Portland Cement	*	20	20½	23¼	23¾	21⅝	Sale	21⅛ July 24	23¼ July 2	20⅛ Jan 4	25¾ May 20
24,800	292,100	Melville Shoe Corp com	1	26⅞	Sale	22⅞	Sale	22⅛	Sale	22⅛ July 25	23⅝ July 9	22 Apr 2	27⅞ Jan 3
340	6,910	4% preferred ser B	100	86½	Sale	88⅜	Sale	88	Sale	87¾ July 31	88¾ July 19	86½ Jan 2	90 Jan 14
8,900	62,000	Mercantile Stores	1.83⅓	22¼	Sale	23⅝	Sale	23½	Sale	22⅞ July 29	24¼ July 3	20¼ Mar 11	25¼ Apr 29
73,600	572,800	Merck & Co Inc com	16⅔c	77½	Sale	90½	Sale	95⅜	Sale	89¼ July 1	95¾ July 15	77½ Jan 2	95¾ July 15
300	3,600	$3.50 preferred	*	88	90	92	95	89¾	90¾	90½ July 29	92 July 3	88½ Jan 3	93 Jun 14
79,900	701,400	Merritt Chpmn & Scott	12.50	11⅞	Sale	12⅛	Sale	12	Sale	11½ July 16	12¼ July 2	11½ July 16	13⅜ Apr 29
68,000	710,200	Mesabi Trust units bene int		11¼	Sale	14⅜	Sale	12⅞	Sale	12¾ July 24	14½ July 2	11¼ Jan 2	14⅝ Jun 28
9,900	94,700	Mesta Machine Co	5	29⅞	Sale	32	Sale	29½	Sale	29 July 18	32¼ July 5	29 July 18	37⅞ May 8
69,000	1,053,400	Metro-Goldwyn-Mayer Inc	*	32	Sale	31¾	Sale	28⅝	Sale	28⅛ July 25	32⅜ July 3	28 Feb 28	37¼ May 31
163,000	920,300	Metromedia Inc	1	15⅜	Sale	28½	Sale	30⅜	Sale	27 July 9	31⅜ July 31	15 Jan 2	31⅜ July 31
		Metropolitan Edison—											
300	3,790	3.90% preferred	100	87	88	89	Sale	87½	Sale	87½ July 9	89½ July 3	85 Apr 29	90 Feb 1
240	890	4.35% preferred	100	97	Sale	99¾	100½	98½	99½	98 July 8	99¾ July 2	96½ Jan 7	101 May 17
230	1,050	3.85% preferred	100	86¼	Sale	86	88	86½	89	86 July 23	89 July 2	86 Apr 11	89 July 2
180	500	3.80% preferred	100	84¼	86	85	86	86	87	85 July 18	86 July 26	84 Apr 10	87½ May 22
10	400	4.45% preferred	100	100	101	101	103	101½	103	102¾ July 5	102¾ July 5	98½ Apr 24	102¾ July 5
69,000	629,300	Middle South Utilities	10	36⅛	Sale	37	Sale	37¾	Sale	36½ July 1	38 July 31	34¾ Jan 3	39 Apr 1
12,700	160,800	Midland-Ross Corp com	5	49⅝	Sale	65	Sale	62⅜	Sale	61⅛ July 18	65¾ July 5	49⅝ Jan 2	67 Jun 4
540	5,630	5½% 1st preferred	100	101	101½	104½	Sale	103½	105	103 July 19	104¾ July 1	101 Mar 22	104¾ July 1
13,000	69,600	Midwest Oil Corp	10	66¼	Sale	62½	Sale	63½	64½	62½ July 1	65½ July 12	60¼ Jan 22	69⅞ Apr 24
67,800	311,000	Miles Laboratories Inc	2	25¼	Sale	28⅜	Sale	28⅝	Sale	27⅛ July 23	30⅞ July 8	24¼ Jan 2	33¾ Apr 15
41,300	503,100	Minerals & Chemicals Philip Corp	1	18⅜	Sale	20⅞	Sale	19¾	Sale	19⅛ July 23	21⅛ July 3	18⅜ Jan 2	23¼ Jun 4
74,700	557,900	Minn-Honeywell Reg	1.50	85¼	Sale	100	Sale	104¾	Sale	99½ July 1	106½ July 10	84½ Jan 2	113 Jun 4
1,800	30,000	3% convertible pref	100	80½	Sale	85	85¾	84⅝	85¼	84½ July 2	85½ July 8	79¾ Jan 2	88¾ Feb 27
1,700	23,600	Minnesota Enterprises Inc	*	14¾	Sale	14¼	14½	14	14½	14⅛ July 26	14¾ July 15	14 Apr 17	15¾ Jan 8
205,900	1,247,300	Minn Mining & Mfg	*	53⅛	Sale	57⅛	Sale	59⅜	Sale	55½ July 2	59⅞ July 31	52½ Jan 2	64½ Apr 24
19,400	234,900	Minn & Ontario Paper	2.50	18½	Sale	21⅝	Sale	20⅝	Sale	20¼ July 19	21⅝ July 1	18¼ Jan 2	23 Apr 9
15,900	148,200	Minnesota Pwr & Lt Co	*	42½	Sale	46	Sale	44⅞	Sale	44⅜ July 30	46¼ July 3	40¼ Feb 8	49 Jun 3
49,200	204,000	Mission Corp	1	45⅞	Sale	50⅝	Sale	55	Sale	50¼ July 2	57⅝ July 18	44⅛ Mar 6	57⅝ July 18
16,800	242,300	Mission Development Co	5	31½	Sale	33⅛	Sale	34	Sale	32¾ July 2	35⅜ July 12	29½ Mar 6	35⅜ July 12
44,000	525,000	Mississippi River Fuel	10	38⅛	Sale	39⅛	Sale	37⅞	Sale	37¼ July 24	39⅜ July 3	37¼ July 24	44 Feb 18
13,700	184,600	Mo-Kansas-Texas RR	*	2⅞	Sale	3⅞	4	3½	Sale	3½ July 31	4 July 2	2⅞ Jan 2	4⅝ Feb 15
7,000	186,200	Missouri Pac RR Class A	*	48⅝	Sale	65¾	Sale	65½	Sale	61¼ July 24	68 July 10	48⅝ Jan 2	73¼ May 31
7,800	72,100	Missouri Portl'l Cement	6.25	33	33¼	34	Sale	31½	31¾	31¾ July 23	34⅛ July 3	31¾ July 23	37⅞ Mar 29
11,100	74,800	Missouri Public Service Co	1	22⅝	Sale	25	Sale	24	Sale	24 July 31	25½ July 5	22⅝ Jan 2	27 Apr 30
69,400	772,300	Mohasco Industries com	5	9⅝	Sale	9	Sale	9	Sale	8¾ July 5	9⅛ July 1	8¾ July 5	11⅜ Jan 24
70	690	3½% preferred	100	66½	68	68½	69¼	66½	67¼	67⅛ July 12	68½ July 8	66⅝ Jan 9	69½ Jan 23
320	1,640	4.20% preferred	100	75½	77½	77⅛	78	77	78½	76¾ July 12	78 July 18	76¾ July 12	80 Apr 1
24,300	254,400	Monarch Machine Tool	*	18¼	Sale	27⅛	Sale	26½	Sale	23⅝ July 15	27⅜ July 3	18 Jan 2	30½ May 23
1,600	10,300	Monon RR class A	25	11½	12⅜	14½	15¼	19	Sale	15¼ July 10	20 July 23	11¼ Apr 16	20 July 23
20,500	131,000	Class B	*	9⅜	Sale	16⅛	Sale	19⅝	Sale	16 July 2	20⅛ July 22	9⅛ Jan 16	20⅛ July 22
152,300	1,205,400	Monsanto Chemical Co	2	49½	Sale	50¼	Sale	51¼	Sale	50 July 1	52⅝ July 26	49 Jan 17	54⅝ Apr 10
14,500	159,700	Montana-Dakota Util Co	5	38¼	Sale	38⅝	Sale	39⅞	Sale	38⅝ July 1	40½ July 5	38⅛ Jun 10	42¾ Apr 5
18,200	182,800	Montana Power Co	*	37¼	Sale	37¼	Sale	38	Sale	36⅛ July 10	38 July 31	36⅛ July 10	39⅜ Apr 8
5,000	42,500	Montecatini Min & Chemical Am shs (5 shs or 5,000 lire)		23⅝	Sale	18½	18⅞	16¾	Sale	16¼ July 18	18¼ July 5	16¼ July 18	23⅝ Jan 2
188,500	2,087,700	Montgomery Ward & Co	*	32½	Sale	38⅛	Sale	37¼	Sale	36⅝ July 22	38¼ July 3	32¼ Jan 2	41¼ Jun 11
17,600	174,400	Moore-McCormack Lines	12	8⅞	Sale	11	Sale	9¾	Sale	9⅛ July 24	11¼ July 2	8⅞ Jan 2	12⅜ May 22
24,700	365,400	Morrell (John) & Co	10	23⅜	Sale	25	Sale	24½	Sale	23 July 30	26⅜ July 5	23 July 30	31⅞ May 16
48,700	414,800	Motor Wheel Corp	5	17	Sale	21¾	Sale	21⅜	Sale	21⅛ July 16	22¾ July 8	16½ Jan 17	22⅞ Jun 19
51,800	401,000	Motorola Inc	3	61¾	Sale	73⅝	Sale	72⅜	Sale	66½ July 22	74⅞ July 31	58 Apr 5	75¾ Jun 11
8,000	71,500	Mountain Fuel Supply Co	10	34¾	35⅜	40½	Sale	40¼	Sale	38¾ July 30	42 July 5	35 Jan 11	42 July 5
19,300	217,100	MSL Industries Inc	*	21½	Sale	26⅞	Sale	25½	Sale	25¼ July 30	27⅜ July 11	21½ Jan 2	30 Jun 6
77,700	314,600	Mueller Brass Co	1	22⅝	22⅞	35⅞	Sale	38¼	Sale	35 July 1	39 July 31	23 Jan 3	39¾ Jun 18
10,700	114,800	Munsingwear Inc	5	28⅝	29	28	Sale	28½	Sale	27⅝ July 1	28½ July 8	27 Mar 20	31⅜ Jan 15
25,400	229,100	Murphy Co (G C)	1	24⅞	Sale	22⅜	Sale	22⅜	Sale	22 July 19	22⅞ July 8	22 May 24	27¼ Feb 1
17,000	206,000	Murphy Corp	1	18¾	Sale	18¾	Sale	18⅞	Sale	18¼ July 22	20⅞ July 10	17¾ Feb 12	22⅛ May 2
19,200	157,600	Murray Corp of America	10	30⅜	Sale	39½	Sale	38¼	Sale	37½ July 9	40 July 16	30⅜ Jan 2	40⅝ May 28
5,900	56,500	Natco Corp	5	8¼	Sale	8⅜	8⅝	7¾	Sale	7⅝ July 29	8⅜ July 3	7⅝ July 29	10¼ Mar 7
13,600	85,800	National Acme Co	1	54½	Sale	65¾	Sale	58½	Sale	57 July 24	66 July 2	54½ Jan 2	70¾ May 16
324,100	1,761,700	National Airlines Inc	1	24⅝	Sale	28⅝	Sale	33½	Sale	27⅜ July 1	34¼ July 31	21¾ Jan 16	34¼ July 31
12,200	157,600	National Aviation Corp	5	29⅝	Sale	26¾	Sale	26¾	Sale	26⅝ July 29	27¼ July 11	25½ Mar 5	31 Jan 15
55,100	569,000	National Biscuit Co	5	43⅞	Sale	52⅜	Sale	51¾	Sale	50⅛ July 22	54⅜ July 5	43⅛ Jan 7	54⅜ July 5
104,900	805,300	National Can Corp	10	11½	Sale	15¾	Sale	15⅝	Sale	14½ July 22	16¼ July 5	11½ Jan 2	16⅝ Jun 24
124,700	799,000	National Cash Register	5	81	Sale	70½	Sale	67	Sale	65 July 19	71 July 2	65 July 19	82⅛ Jan 4
24,800	236,600	National Castings Co	*	20⅝	Sale	29¼	Sale	30½	Sale	29 July 1	30¾ July 31	20⅜ Jan 2	32⅞ May 20
19,900	171,400	National City Lines	1	22¾	Sale	27⅛	Sale	25⅝	Sale	24¾ July 29	27⅜ July 1	22⅜ Jan 3	28 May 24
43,400	365,400	National Dairy Products	5	63¾	Sale	65	Sale	64½	Sale	63⅝ July 22	66½ July 16	59⅛ Mar 19	67¾ Jan 10
103,200	903,800	National Distillers & Chem	5	24⅜	Sale	25⅛	Sale	25¼	Sale	24⅞ July 22	26 July 11	23¾ Mar 4	26¼ Jan 28
1,400	39,210	4¼% pfd ser of 1951	100	93	Sale	92½	94	94½	Sale	93 July 8	93½ July 17	92½ Jan 4	96½ Feb 12
900	13,000	4½% preferred (conv)	50	48½	49½	48½	49⅜	48½	50	48¼ July 18	49¼ July 2	48¼ July 18	54 Feb 8
17,300	197,500	National Fuel Gas Co	10	29½	Sale	33⅜	Sale	32¾	Sale	31⅝ July 15	33⅞ July 9	29¼ Jan 2	35 Jun 3
65,400	1,599,500	National General Corp	1	7⅞	Sale	11⅛	Sale	11½	Sale	11 July 1	11¾ July 17	7⅞ Jan 2	12¾ Feb 25
45,600	381,700	National Gypsum Co com	1	40½	Sale	46¾	Sale	44⅜	Sale	43½ July 22	47⅜ July 2	40½ Jan 2	50 May 2
760	4,350	$4.50 preferred	*	98½	100	102½	Sale	101½	102	101 July 11	102½ July 1	98 Feb 13	103¼ Jun 17
139,200	1,108,800	National Lead Co com	5	68⅛	Sale	72⅛	Sale	74⅝	Sale	70¾ July 1	75 July 31	68⅛ Jan 2	77 Apr 4
4,100	44,700	National Linen Serv Corp	1	26⅞	Sale	25¾	26	26	26½	26 July 2	26½ July 12	25½ May 27	27⅛ Jan 8
3,800	40,800	National-Standard Co	10	28¼	28¾	31	Sale	31	Sale	31 July 1	31½ July 9	28¼ Feb 25	33¼ May 29
6,300	56,300	Nat Starch & Chem Cp	50c	42	42¾	43¼	Sale	40¾	Sale	40¼ July 30	44½ July 3	40¼ July 30	47 Apr 5
162,900	951,300	National Steel Corp	5	36¼	Sale	41	Sale	43½	Sale	40¾ July 1	44⅛ July 31	34¾ Mar 6	45⅞ May 16
17,800	170,500	National Sugar Refining	*	18	Sale	23¼	Sale	23½	Sale	23 July 2	26⅞ July 22	18 Jan 2	28 May 21
41,400	666,500	National Tea Co	*	15	Sale	16½	Sale	15¾	Sale	15¾ July 16	16⅞ July 3	15 Jan 2	18¾ May 31
5,600	50,000	Natl Vulcanized Fibre Co	1	17½	17¾	17	17⅝	17⅛	Sale	16½ July 12	17⅜ July 29	15¼ Mar 19	19⅛ Jan 29
23,600	307,200	Natomas Co	1	7	Sale	8¼	Sale	7¾	Sale	7½ July 25	8⅜ July 1	6¾ Apr 17	9⅛ Apr 15
8,400	91,800	Nautec Corp	5	11¾	Sale	10⅞	Sale	10¼	Sale	10¼ July 31	11⅛ July 10	10¼ July 31	13½ Jan 7
4,800	38,000	Neisner Bros Inc	1	6⅞	Sale	6¾	Sale	6½	Sale	6½ July 16	6⅞ July 2	6½ July 16	7¾ Feb 1
24,900	231,500	Neptune Meter Co	5	18¼	Sale	27¾	Sale	27⅛	Sale	26 July 2	27¾ July 1	18¼ Jan 2	27¾ Jun 25
20,500	‡96,700	Nevada Power Co	1	--	--	33½	Sale	37½	Sale	32⅜ July 5	37½ July 11	‡32 Apr 24	37½ July 11
29,600	433,500	Newberry Co (J J) com	*	30¾	Sale	19¾	Sale	18¾	Sale	18⅝ July 25	19⅞ July 1	18⅝ July 25	33 Jan 14
2,030	11,430	3¾% preferred	100	78	Sale	76	Sale	70	Sale	70 July 31	76 July 1	70 July 31	85 Apr 8
50,200	395,900	New England Elec System	1	24¾	Sale	27	Sale	27¼	Sale	26⅝ July 1	27⅜ July 15	24½ Jan 2	28⅜ May 2
64,000	249,600	New England Tel & Tel	20	43⅜	Sale	49¾	Sale	54½	Sale	49⅛ July 1	54⅞ July 31	43⅜ Jan 2	54⅞ July 31
10	480	N J Pwr & Lt Co 4% pfd	100	86	88½	89	Sale	87	91	89 July 1	89 July 1	86 Jan 21	89½ Apr 29
37,300	215,100	Newmont Mining com	10	63¾	Sale	81½	Sale	75½	Sale	72 July 29	81½ July 1	61½ Jan 2	84½ Jun 4
7,300	81,700	4% conv pfd	100	95⅜	Sale	104	Sale	102½	104	103¼ July 22	106 July 10	94 Jan 2	108½ May 15
24,100	205,700	Newport News Shipbuilding & Dry Dock Co	1	48¾	Sale	48½	Sale	47¼	Sale	46¾ July 15	49¾ July 5	46¾ July 15	53 Apr 8
9,000	168,600	New York Air Brake	5	28¼	Sale	29⅞	Sale	30	Sale	29½ July 19	31 July 3	28¼ Jan 2	33¾ Feb 13
242,800	1,602,300	New York Central RR	1	15	Sale	22⅛	Sale	20⅛	Sale	19½ July 23	22⅝ July 10	15 Jan 2	23½ Jun 25
133,700	1,078,300	N Y Chicago & St. Louis	15	42⅞	Sale	43⅜	Sale	42⅝	Sale	41⅜ July 23	45½ July 2	38 Mar 11	45½ July 2
4,800	41,100	N Y Shipbuilding Corp	1	12⅛	12½	11¼	Sale	11	Sale	11 July 31	11½ July 16	11 July 31	13¼ Apr 26
38,200	207,700	N Y State Elec & Gas Corp Common	*	40½	Sale	42¼	Sale	44¼	Sale	41 July 16	44¼ July 31	40 Jan 3	45½ May 28
450	4,770	$3.75 preferred	100	82¼	82¾	84	85½	84¾	Sale	83¾ July 31	84¾ July 18	82½ Mar 22	85¾ Feb 25

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
		Niagara Mohawk Pwr Corp											
74,800	571,100	Common	*	46⅜	Sale	49⅞	Sale	53⅞	Sale	49⅞ July 1	54⅛ July 30	46 Jan 2	54⅛ July 30
510	4,890	3.40% preferred	100	73	74	74½	75¾	74½	75	74 July 15	75½ July 2	72¾ Jan 11	76¼ May 27
2,970	17,160	3.60% preferred	100	77	Sale	79½	Sale	80	Sale	79 July 9	80 July 5	76¼ Jan 3	82¼ Jan 23
1,400	9,780	3.90% preferred	100	84¼	Sale	86½	87½	84¾	Sale	84¾ July 31	87¼ July 3	83⅛ Jan 8	88 Jan 22
220	2,690	4.10% preferred	100	91½	93	93	94¾	93	94	93 July 30	94¼ July 22	92¾ Jan 8	97½ May 31
820	7,640	5.25% preferred	100	107	108	108	109	108	Sale	107½ July 22	109½ July 17	107 Jan 7	110½ Feb 28
1,220	6,360	4.85% preferred	100	104¼	105	104¼	105½	104¼	Sale	103½ July 12	104½ July 8	103½ July 12	106¾ Jan 30
6,700	83,693	Niagara Share Corp	5	20⅜	20⅝	22¼	22⅞	23⅛	Sale	21⅝ July 15	23⅛ July 31	20⅞ Jan 3	25 Jan 18
12,400	114,300	Nopco Chemical Co	1	25½	Sale	26½	Sale	24¼	Sale	23½ July 29	26¾ July 1	23½ July 29	29½ Jan 9
42,900	651,966	Norfolk & Western com	25	108¾	Sale	120	Sale	116½	Sale	114 July 22	122 July 11	105 Jan 18	125 May 31
800	11,000	Adjustment preferred	25	22⅝	Sale	22¾	23½	22⅞	23¼	22¾ July 16	22⅞ July 23	22 Apr 15	24 May 20
1,900	14,500	6% preferred	10	13⅜	13⅞	14	14⅝	14	Sale	13¾ July 10	14¼ July 8	13¼ Jan 18	14¾ Jun 6
23,900	125,400	Norris-Thermador Corp	50c	18⅛	18¾	20¾	Sale	23	Sale	20⅜ July 22	23¼ July 31	18¼ Feb 21	23¼ July 31
135,100	1,165,800	North American Aviation	1	66¾	Sale	57⅞	Sale	55⅞	Sale	54¼ July 19	61 July 12	54¼ July 19	66¾ Jan 2
35,800	546,900	North American Car Corp	7	24½	Sale	23⅛	Sale	22½	Sale	22 July 23	23½ July 5	20⅞ Mar 4	26¼ Apr 29
15,200	107,200	North American Coal	1	8⅛	8⅜	8⅝	8⅞	8⅜	Sale	7⅞ July 22	8⅝ July 3	7¾ Apr 29	9½ Jan 31
10,000	227,000	North Amer Sugar Ind	10	13⅛	Sale	18⅝	18⅞	18⅜	Sale	17½ July 17	19½ July 3	13⅛ Jan 14	26¼ May 21
400	3,490	Northern Central Ry	50	72½	Sale	79¼	Sale	78¾	79¼	78½ July 18	79⅜ July 2	72½ Jan 2	80½ Jun 21
42,500	300,700	Northern Indiana P S Co	*	44½	Sale	51⅝	Sale	54½	Sale	51¼ July 2	55¼ July 26	43¾ Jan 4	55¼ July 26
29,200	239,500	Northern Natu'l Gas com	10	43	Sale	53⅛	Sale	52⅝	Sale	48½ July 16	53½ July 2	43 Jan 2	54⅜ May 13
240	3,040	5½% preferred	100	104½	105½	105½	Sale	106	Sale	105½ July 1	106¾ July 9	104¼ Jan 11	108 Mar 1
980	12,240	5.80% preferred	100	108½	108¾	108½	Sale	109½	110	108½ July 1	110 July 17	107½ Jan 29	111½ May 20
1,040	12,620	5.60% preferred	100	109⅛	Sale	109	110	109½	Sale	109⅛ July 12	110 July 2	109 Jan 2	110½ Jan 17
51,900	606,600	Northern Pacific Ry	5	40	Sale	47⅛	Sale	46¾	Sale	43⅜ July 22	48¼ July 3	39 Jan 11	48½ Jun 21
		Northern States Pow (Minn)											
33,700	270,800	Common	5	35½	Sale	36¼	Sale	36¼	Sale	36 July 23	36⅞ July 3	33½ Mar 29	38⅜ Jun 5
1,220	9,930	$3.60 preferred	100	76	Sale	79¾	Sale	79	Sale	78 July 24	80¼ July 18	76 Jan 2	81½ May 29
740	5,180	$4.10 preferred	100	91¾	92½	93¼	94	92¾	93½	92½ July 23	94 July 2	92½ Jan 4	96 Feb 19
190	1,320	4.08% preferred	100	90½	92	92½	95	93½	95	93½ July 15	95 July 10	91½ Jan 9	95 Jun 20
490	5,410	4.11% preferred	100	92½	93½	94⅜	95	94¼	95½	94 July 8	95 July 16	93 Feb 11	95½ Mar 4
500	1,380	$4.16 preferred	100	92½	93⅝	95½	Sale	94¼	95½	95½ July 1	95½ July 1	93 Apr 22	95½ Jun 21
81,700	693,700	Northrop Corp	1	23½	Sale	22⅜	Sale	21	Sale	20⅞ July 24	23⅜ July 3	20⅞ July 24	25⅜ Jan 14
159,600	1,090,800	Northwest Airlines com	10	37⅞	Sale	50⅜	Sale	49½	Sale	44¾ July 24	51⅜ July 8	35½ Jan 10	56⅝ May 23
33,900	107,100	Northwest Bancorp'n	3⅓	44⅜	Sale	47½	47¾	46¼	46½	44½ July 24	48 July 5	42¾ Mar 6	51 Jan 31
2,500	33,700	Northwestern Steel & Wire	5	20¼	Sale	20¾	Sale	20	Sale	19⅝ July 29	20¾ July 1	19⅝ July 29	23 Feb 18
24,600	95,800	Norton Co	10	--	--	40⅝	Sale	37¾	Sale	37¼ July 23	42¼ July 8	37¼ July 23	44½ Jun 18
33,600	182,900	Norwich Pharmacal	66½c	43½	Sale	41⅜	Sale	39⅛	Sale	38 July 12	41⅜ July 1	38 July 12	44⅞ Jan 8
37,900	246,600	Ohio Edison Co common	15	47¼	Sale	46⅞	Sale	47	Sale	46¼ July 26	47⅞ July 10	46¼ July 26	51 May 1
1,540	12,550	4.40% preferred	100	98¾	Sale	99	99½	100¼	101	99 July 2	100¾ July 23	97 Feb 12	101½ Jun 5
980	6,890	3.90% preferred	100	86	Sale	88½	Sale	86½	Sale	86 July 24	89½ July 10	85¼ Jan 9	89½ May 7
600	8,490	4.56% preferred	100	102½	104	103	103½	103	104	103 July 2	104 July 11	102 Jan 7	105 May 2
370	3,150	4.44% preferred	100	100	101	101	101¾	101	102	100½ July 22	101¼ July 9	100½ Apr 19	102¾ Jan 25
		Oklahoma Gas & Elec—											
40,600	‡198,600	Common	2.50	--	--	24	Sale	24¼	Sale	23½ July 3	24½ July 11	‡22½ Mar 25	25 Apr 2
2,700	19,600	4% preferred	20	17⅛	17½	18	Sale	18	18¼	17¾ July 16	18⅛ July 19	17¼ Jan 7	18⅜ Feb 13
80	1,710	4.24% preferred	100	95⅝	Sale	96	96½	94½	98	96 July 8	96 July 8	94½ Jan 9	98½ Apr 26
27,200	145,500	Oklahoma Natural Gas	7.50	36½	Sale	35⅞	Sale	37⅞	Sale	35¾ July 1	37⅞ July 23	34⅛ May 29	38½ Jan 25
156,800	1,508,300	Olin-Mathieson Chem Corp	5	31½	Sale	42	Sale	40½	Sale	38¼ July 22	43¼ July 5	31⅜ Jan 2	44½ Jun 25
4,300	49,400	Opelika Mfg Corp	5	15¾	Sale	16¼	Sale	16¼	16½	16⅛ July 2	16⅝ July 11	15⅝ Jan 2	17½ May 13
		Orange & Rockland Utilities											
19,500	‡40,300	New common	5	--	--	29⅞	Sale	29⅞	Sale	29¼ July 17	30½ July 5	‡27¾ Jun 4	30¾ Jun 14
61,900	553,300	Otis Elevator Co	*	55¼	Sale	50¼	Sale	49½	Sale	47¼ July 25	50¼ July 1	47¼ July 25	59½ Jan 30
		Outboard Marine &											
142,900	991,800	Manufacturing Co	30c	13⅞	Sale	11¾	Sale	11⅞	Sale	11¼ July 9	12¼ July 31	11¼ July 9	15⅜ Jan 11
2,800	28,150	Outlet Co	*	22¼	22⅞	21⅛	Sale	22½	Sale	21⅛ July 1	22¾ July 15	21⅛ Feb 15	24¾ May 1
25,600	28,900	Overnite Transportation	1	--	--	22⅞	Sale	20	Sale	19¼ July 15	23 July 2	19¼ July 15	23¼ Jun 27
30,000	328,800	Owens-Corning Fiberglas	1	57	Sale	57	Sale	52	Sale	51¾ July 26	59¾ July 5	51¾ July 26	68¾ May 14
47,000	384,800	Owens-Illinois Glass com	6.25	73½	Sale	82	Sale	78¾	Sale	78¼ July 29	84⅞ July 3	72⅛ Jan 24	84⅞ Jun 21
4,400	42,500	4% preferred	100	101	Sale	100	Sale	100⅛	101	100 July 1	100½ July 10	100 Mar 1	105 Jan 18
9,500	104,900	Oxford Paper Co common	15	31½	Sale	33⅛	Sale	31½	Sale	31½ July 25	33⅜ July 2	31⅜ Jan 8	37 Apr 9
3,100	25,500	Pacific American Corp	5	17¾	18¼	16¾	Sale	16⅝	Sale	16 July 16	17 July 25	15⅜ May 1	18½ Jan 8
15,400	117,400	Pacific Cement & Arreg	5	12¾	13	14⅝	Sale	14⅝	Sale	14⅛ July 26	15 July 17	12⅞ Jan 4	15¾ Jun 3
120,800	813,300	Pacific Gas & Electric	10	31⅞	Sale	31⅞	Sale	31½	Sale	30⅞ July 25	32 July 1	30⅞ July 25	34⅝ Jan 29
35,500	414,500	Pac. Intermountain Exp Co	5	--	--	19¼	Sale	17⅝	Sale	17¼ July 23	19¼ July 1	16½ Mar 25	20⅜ Jun 24
53,100	458,200	Pacific Lighting Corp	*	60¾	Sale	58	Sale	58½	Sale	57⅜ July 2	59 July 10	53⅝ May 1	63¾ Jan 17
112,100	979,500	Pacific Petroleum Ltd	1	--	--	11¾	Sale	11⅜	Sale	10¾ July 19	12¼ July 2	§10½ Mar 1	14½ May 13
		Pacific Teleph & Teleg—											
42,200	261,000	Common	14 2/7	31⅝	Sale	32¼	Sale	31⅝	Sale	30½ July 19	32¼ July 1	30½ July 19	35¼ Apr 25
2,210	8,360	6% preferred	100	145½	Sale	144½	Sale	143	Sale	141 July 25	145 July 2	141 July 25	157 Apr 25
9,600	102,000	Pacific Tin Consol Corp	1	5⅝	Sale	6¼	Sale	6	Sale	5⅝ July 25	6¼ July 1	5⅜ Jan 2	6⅞ Jun 11
19,400	179,300	Packaging Corp of Amer	5	16⅛	Sale	14¾	Sale	14½	Sale	13⅞ July 11	14⅞ July 1	13⅝ Apr 25	17⅝ Jan 15
25,000	364,400	Packard-Bell Electronics	50c	9¼	Sale	12⅞	Sale	13¾	Sale	12½ July 1	13⅞ July 10	9¼ Jan 2	15¼ Jun 12
63,600	446,600	Pan American Sulphur	70c	11¼	Sale	15¼	Sale	15½	Sale	15 July 1	16⅛ July 16	11¼ Jan 2	16⅝ May 15
434,100	3,405,100	Pan Amer World Airways	1	21⅜	Sale	36	Sale	38⅝	Sale	34⅞ July 1	40⅜ July 10	21⅜ Jan 2	41¼ Jun 4
		Panhandle Eastern Pipe											
72,400	368,200	Line Co common	*	67¾	Sale	76⅜	Sale	70¼	Sale	68½ July 22	76⅜ July 1	67⅝ Jan 2	80¾ May 13
180	1,360	4% preferred	100	95½	97½	96½	98	97	98½	96½ July 9	97½ July 22	96 Jan 10	98 Jan 17
28,600	375,000	Papercraft Corp	1	--	--	7¼	Sale	7¾	Sale	7⅛ July 1	7⅞ July 31	6¾ Apr 9	9¼ Jan 28
31,100	330,400	Paramount Pictures	1	36⅛	Sale	42⅜	Sale	44	Sale	39¼ July 19	42½ July 25	35¼ Mar 8	48¼ May 22
254,800	1,809,400	Parke Davis & Co	*	24⅞	Sale	25¾	Sale	26¼	Sale	25½ July 1	27⅜ July 16	24½ Mar 20	29¾ May 1
18,900	44,100	Parmelee Transportation	*	51	Sale	54¾	Sale	65	Sale	54 July 1	67¾ July 30	48½ May 24	67¾ July 30
22,800	363,600	Peabody Coal Co common	5	30¾	Sale	37	Sale	36½	Sale	35¾ July 1	37⅝ July 10	29½ Jan 28	38 Jun 24
1,300	7,200	5% conv prior pfd	25	26	26¼	26½	27	26½	27¼	26 July 22	26¾ July 30	25¾ Apr 10	27 Feb 27
10,200	‡25,000	Pendleton Tool Industries	1	--	--	16½	Sale	16¾	Sale	16¼ July 1	18¼ July 29	‡16 Jun 27	19½ Apr 25
41,700	363,200	Penick & Ford Ltd	1	18	Sale	19⅞	Sale	19⅛	Sale	18 July 23	19⅞ July 1	17⅝ Jan 14	25½ May 22
43,700	375,300	Penn-Dixie Cement Corp	1	17⅛	Sale	16⅞	Sale	15⅝	Sale	15⅝ July 30	16⅞ July 1	15⅝ July30	19½ Jan 9
10,400	150,700	Penn Fruit Co Inc com	5	8¾	Sale	8¼	Sale	7⅞	Sale	7¾ July 23	8⅜ July 5	7¾ July 23	10⅝ Feb 14
890	14,270	4.68% conv preferred	50	41¼	Sale	41¾	Sale	39	40	40 July 30	41¾ July 1	40 July 30	50¼ Apr 2
132,700	803,600	Penney (J. C.) Co	1	43	Sale	42⅛	Sale	40¼	Sale	40 July 30	42⅞ July 3	40 July 31	50 Apr 29
41,500	272,200	Pennsalt Chemicals Corp	3	36	Sale	40⅞	Sale	40⅝	Sale	39¼ July 24	44¾ July 9	34 Jan 3	44¾ July 9
3,100	38,600	Penn Glass Sand Corp	1	30¼	30½	34¼	34½	33½	34	33½ July 25	34¾ July 3	30½ Jan 3	35 Mar 11
26,700	231,200	Penn Power & Light com	*	33	Sale	34¾	Sale	34¼	Sale	33⅝ July 16	35 July 2	32½ Apr 3	36 May 16
2,340	14,200	4½% preferred	100	101¼	Sale	103½	Sale	104¼	Sale	102¾ July 10	105 July 30	101 Apr 5	106¾ Feb 28
980	8,480	4.40% preferred	100	100½	Sale	101⅜	Sale	101	101½	100½ July 1	102¼ July 17	98¼ Apr 17	103 Feb 13
534,500	2,972,700	Pennsylvania RR Co	10	13¼	Sale	19⅜	Sale	18	Sale	17 July 23	20¼ July 10	13¼ Jan 2	20¼ July 10
63,900	63,900	Pennzoil Co	5	--	--	--	--	42	Sale	38⅛ July 15	42½ July 26	31½ Jan 2	42½ July 26
5,400	41,500	People's Drug Stores Inc	5	35⅝	Sale	42⅜	Sale	41⅜	Sale	40½ July 24	43¾ July 5	35¼ Feb 8	43¾ July 5
40,600	377,000	Peoples Gas Lt & Coke	*	47½	Sale	52⅜	Sale	52⅝	Sale	48 July 24	53⅜ July 5	46 Feb 11	56½ May 15
1,860	14,280	Peoria & Eastern Ry	100	47½	48¼	59½	61	--	--	52 July 5	61 July 2	49 Jan 4	63 Feb 26
69,600	429,200	Pepsi-Cola Co	33⅓c	46¼	Sale	50⅝	Sale	53½	Sale	50¼ July 1	55¾ July 9	46 Jan 2	55¾ July 9
22,400	271,500	Perkin-Elmer Corp	1	46	Sale	43	Sale	39⅛	Sale	39 July 22	45¼ July 10	39 Mar 19	48¼ Jan 7
16,500	124,800	Permanente Cement com	1	13¼	Sale	16¼	Sale	16⅞	Sale	16 July 22	16⅞ July 31	13¼ Jan 2	16⅞ July 31
1,700	18,100	5% conv preferred	50	53¼	Sale	54½	55⅝	54¼	55⅜	53⅞ July 22	55 July 26	51¼ Mar 14	56 Jun 4
8,000	86,800	Pet Milk Co common	*	45¾	Sale	46	Sale	44¾	Sale	43 July 23	46 July 1	42 May 27	51 Jan 9
330	1,200	4½% preferred	100	99¾	100½	101½	102½	100	101½	99½ July 9	101½ July 2	99½ Mar 8	101¾ May 20
21,700	91,400	Petrolane Gas Service Inc	1	--	--	24¾	Sale	25	Sale	23⅝ July 8	25¾ July 15	23⅝ July 8	28¾ May 2
14,200	103,500	Petroleum Corp of Amer	1	17	Sale	17½	Sale	17½	Sale	17⅛ July 19	17⅞ July 3	16¼ Feb 12	18⅛ May 1
9,800	125,600	Pfaudler Permutit Inc	5	26	Sale	29	Sale	27¼	Sale	26 July 29	29⅜ July 5	24⅞ May 31	30¾ Jun 21
155,500	1,155,700	Pfizer (Chas) & Co	33⅓	47	Sale	51½	Sale	48¾	Sale	47½ July 29	52¼ July 5	47 Jan 2	54⅞ May 9
81,000	536,200	Phelps Dodge Corp	12.50	54¾	Sale	61⅜	Sale	62⅜	Sale	60½ July 1	62⅜ July 18	52¾ Mar 6	62⅝ Jun 13
41,200	492,800	Phila Electric Co common	*	29⅝	Sale	35⅛	Sale	35⅛	Sale	34½ July 1	35⅝ July 3	29½ Jan 2	36⅛ May 22
1,050	5,660	4.40% preferred	100	101½	102½	103	Sale	102	Sale	102 July 31	104¾ July 16	100 Jan 7	105 Mar 1
1,280	9,540	3.80% preferred	100	87⅞	Sale	91	Sale	89	Sale	89 July 24	91 July 1	86⅝ Jan 11	92 Jun 21
610	3,300	4.30% preferred	100	100½	Sale	101½	Sale	101	101½	99⅜ July 8	101½ July 1	97 Apr 19	103 Feb 5
380	1,940	4.68% preferred	100	105	106	106½	107½	105	106½	105⅛ July 15	108 July 2	103 Apr 16	108 July 2
76,200	1,037,000	Phila & Reading Corp NY	50c	35⅞	Sale	36¼	Sale	34⅜	Sale	33¾ July 22	36⅞ July 3	33⅛ Jan 21	41¾ Apr 24
53,300	494,000	Philip Morris & Co com	5	73½	Sale	79⅜	Sale	74	Sale	70⅞ July 23	80⅝ July 11	70⅞ July 23	90½ Apr 22
1,160	10,050	4% preferred	100	84¼	85¼	86¾	Sale	85	85½	84 July 19	87 July 1	84 July 19	91 Feb 14
260	2,650	3.90% preferred	100	83	84	86	87	83	84	83 July 29	87 July 15	81¾ Jan 10	88¼ May 6
269,400	2,019,900	Phillips Petroleum Co	5	48½	Sale	51½	Sale	51⅝	Sale	49¾ July 19	53⅛ July 8	47⅛ Jan 17	55⅞ Jun 7
6,400	102,100	Phillips-Van Heusen Corp	1	19½	Sale	18½	Sale	18	Sale	18 July 22	18¾ July 9	17¾ Apr 15	21¾ Jan 18
19,900	151,800	Pillsbury Co Inc common	*	52¼	Sale	55¾	Sale	54½	Sale	54¼ July 5	56¾ July 24	51½ Jan 2	64¼ May 20
50	640	$4 preferred	*	99¼	101	99	100½	99½	101	99¼ July 10	100 July 15	99¼ July 10	102½ Jan 18
16,400	261,000	Piper Aircraft Corp	1	30	Sale	27¾	Sale	28¾	Sale	26¾ July 1	29⅜ July 16	26¾ July 1	34⅝ May 1
35,900	299,100	Pitney-Bowes Inc	2	40¾	Sale	47¾	Sale	48	Sale	46 July 17	50½ July 9	39 Feb 26	50½ Jun 5

For footnotes, see page 29.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 — Lowest Sale Prices	RANGE SINCE JAN. 1 — Highest Sale Prices
10,100	80,900	Pitts Coke & Chemical	10	13½	Sale	14⅞	Sale	15⅜	Sale	14⅞ July 1	16⅞ July 9	13⅜ Jan 3	17⅜ Jan 8
50	1,960	$5 conv preferred	*	72¾	Sale	83½	85	82	83½	82 July 23	83¼ July 2	72¾ Jan 2	86 May 7
300	3,800	4.80% conv preferred	*	69	71	80¾	81½	79¾	81½	80 July 11	80¾ July 5	73 Jan 10	82 May 10
8,500	245,500	Pittsburgh Forgings Co	1	14¾	Sale	21⅜	Sale	19¾	Sale	19⅛ July 22	21⅜ July 1	14½ Jan 2	22½ Jun 21
		Pitts Ft Wayne & Chi Ry—											
400	2,240	7% guaranteed pfd	100	134½	Sale	141	142½	139½	Sale	139 July 30	141 July 2	134½ Jan 2	143 May 8
70,700	597,500	Pittsburgh Plate Glass	10	51¾	Sale	53¾	Sale	56¼	Sale	52½ July 1	56¾ July 31	51¾ Jan 2	57⅞ Jan 14
83,000	1,062,400	Pittsburgh Steel Co com	*	7	Sale	11⅝	Sale	11	Sale	10⅞ July 10	11¾ July 1	7 Jan 2	13½ May 31
420	5,280	5% preferred class A	100	37	38	55½	Sale	53	Sale	52½ July 24	55½ July 1	38 Jan 3	58¼ Apr 15
3,800	31,700	5½% 1st ser pr pref	100	40	41	59½	Sale	57¾	58⅜	57 July 1	59½ July 1	41 Jan 3	61¾ May 15
6,600	71,600	Pitts & West Virginia	100	34⅝	Sale	34¾	Sale	32	Sale	32 July 23	35¾ July 5	32 July 23	40½ Jan 8
		Pitts Young & Ash Ry—											
170	800	7% non-cum pfd	100	121½	123	132½	134½	132¼	134½	132½ July 8	133 July 15	122 Jan 17	133 Jun 3
17,600	163,100	Pittston Co common	1	57⅞	58¼	67	Sale	62½	Sale	60¾ July 23	67 July 1	57⅜ Feb 28	70½ Jun 4
800	13,310	$3.50 conv preferred	75	104½	106½	123	125	115½	Sale	114 July 30	121½ July 8	105¼ Jan 3	130 Jun 5
21,300	240,800	Plough Inc	1.25	31¾	Sale	34	Sale	33⅝	Sale	32½ July 18	34½ July 29	28½ Mar 20	35¼ May 1
345,600	2,350,600	Polaroid Co	1	142⅜	Sale	156½	Sale	167¼	Sale	150⅝ July 1	177 July 31	120½ May 6	177 July 31
9,500	124,600	Poor & Co	10	15⅛	15½	18⅜	Sale	18⅝	Sale	17⅝ July 23	19⅛ July 3	15½ Jan 3	20⅛ May 27
965	8,635	Porter Co 5½% s f pref	100	94	Sale	99	Sale	97¾	Sale	97 July 24	99½ July 9	93 Jan 14	99½ Apr 8
137,000	‡257,000	Potomac Electric Power	10	—	—	22	Sale	20½	Sale	20⅛ July 17	22 July 1	‡20⅛ July 17	23⅞ Apr 18
82,100	653,400	Procter & Gamble Co	*	71⅜	Sale	76½	Sale	73¼	Sale	72 July 26	77¾ July 5	69⅝ Mar 1	79¾ Apr 16
90,300	630,600	Pub Serv Co of Colorado	5	28	Sale	30	Sale	30½	Sale	29⅝ July 2	32⅛ July 10	27½ Jan 2	32⅛ July 10
		Public Serv Elec & Gas—											
49,900	499,800	Common	*	69¼	Sale	74	Sale	75¼	Sale	73⅛ July 2	76⅝ July 29	68⅞ Jan 2	76⅝ July 29
7,700	55,300	$1.40 div pref com	*	30½	Sale	31	31½	30⅞	Sale	30⅝ July 10	31⅜ July 16	30⅛ Jan 2	32½ Feb 18
300	2,400	4.08% preferred	100	97	Sale	92½	93½	91¾	92¾	91¾ July 22	94¾ July 29	91½ Jan 4	95 Feb 21
70	1,760	4.18% preferred	100	94¾	95	95¼	Sale	94½	96	94½ July 18	95¼ July 1	94¾ Jan 14	97½ Apr 5
810	8,530	4.30% preferred	100	91	92	98⅛	Sale	98½	99	98 July 3	99 July 17	96½ Mar 8	100 Feb 1
780	6,430	5.05% preferred	100	108	Sale	109	Sale	107½	108¾	107½ July 11	109 July 1	106¾ Mar 7	109¾ Jan 15
850	6,820	5.28% preferred	100	108¾	Sale	108½	109	109½	110	109 July 2	109½ July 23	108 May 27	111½ Jan 25
		Public Serv of Indiana—											
43,700	312,200	Common	*	33	Sale	39⅞	Sale	40⅛	Sale	39 July 2	40⅞ July 25	32¼ Jan 3	40⅞ July 25
240	3,270	3½% preferred	100	76	Sale	80	Sale	77¾	Sale	76¼ July 17	80¼ July 22	76 Jan 2	81¾ Jun 14
5,500	15,110	4.32% preferred	25	24¾	Sale	24½	25	24¼	24¾	24¼ July 18	24¾ July 26	24 May 3	25 Mar 14
600	4,900	4.16% preferred	25	23	24¼	23	24	24	25	23½ July 17	24 July 30	23 Mar 29	24⅛ Jan 22
14,400	184,800	Publicker Industries com	5	6⅛	Sale	6⅝	Sale	7	Sale	6⅝ July 1	7 July 5	6 Jan 2	7⅝ May 16
250	1,550	$4.75 preferred	*	84	85	85	86¼	85	86¼	85 July 12	85⅛ July 12	84 Jan 4	86 May 15
24,000	76,000	Puerto Rican Cement Co	1	—	—	18⅞	Sale	19⅛	Sale	18½ July 1	19¾ July 8	18½ July 1	22 May 24
43,600	405,200	Puget Sound Pwr & Lt	10	39⅞	Sale	36⅜	Sale	36⅞	Sale	35⅝ July 22	36⅞ July 31	35 Jun 20	40⅜ Jan 4
15,300	275,200	Puget Sound Pulp & Tim	3	19¾	Sale	29	Sale	—	—	29 July 1	30 July 2	19¼ Jun 18	30⅜ Jun 12
60,600	621,200	Pullman Inc	*	24⅛	Sale	29½	Sale	27½	Sale	26¾ July 24	29⅝ July 1	23¾ Jan 2	31½ May 14
224,200	1,334,100	Pure Oil Co	5	37½	Sale	44	Sale	44¼	Sale	43¼ July 2	45¼ July 3	36¼ Jan 11	45¼ July 3
19,000	126,000	Purolator Products Inc	1	—	—	75¾	Sale	71½	Sale	69¼ July 23	75¾ July 1	64¼ Apr 3	80 Jun 25
15,800	149,900	Quaker Oats (The) com	5	62	Sale	65½	Sale	64⅞	Sale	62 July 23	67⅞ July 3	61¼ Feb 19	69½ Jan 18
2,360	5,090	6% preferred	100	141½	Sale	144½	146½	149	Sale	144½ July 5	149 July 31	141 Jan 2	149 July 31
5,200	40,000	Quaker State Oil Ref Corp	10	27½	Sale	32½	Sale	33½	Sale	32 July 12	33½ July 31	27½ Jan 2	34½ Apr 29
300,400	3,070,000	Radio Corp of Amer com	*	57¾	Sale	69	Sale	68½	Sale	66⅛ July 22	71⅛ July 11	56 Jan 2	74⅜ Jun 13
6,100	65,800	$3.50 1st preferred	*	78¼	Sale	78½	79¼	78¼	79	77 July 19	79¼ July 2	77 Apr 17	82 May 22
67,300	324,400	Ralston Purina Co	2.50	34¾	Sale	33⅝	Sale	31⅞	Sale	31¾ July 1	34⅝ July 8	31¾ July 1	40 Jan 24
25,100	211,400	Ranco Inc	2.50	17¼	Sale	17⅛	Sale	17½	Sale	17⅛ July 1	17⅞ July 2	15⅛ Feb 26	18¼ Jan 7
11,000	143,300	Random House Inc	1	12⅜	Sale	10⅛	Sale	10⅝	Sale	9⅞ July 2	10⅝ July 31	9¾ May 17	13½ Jan 7
16,100	‡47,600	Raybestos-Manhattan	*	—	—	40¾	Sale	40⅞	Sale	38¾ July 15	41½ July 25	‡38¾ July 15	44⅞ May 14
28,100	369,300	Raymond Int'l Corp	3.33⅓	8⅞	Sale	11¾	Sale	10¾	Sale	10⅝ July 23	11⅞ July 3	8⅝ Jan 2	12⅝ May 24
92,400	1,151,500	Rayonier Inc	1	21⅞	Sale	27¾	Sale	28¼	Sale	27 July 1	29¼ July 11	21½ Jan 2	30⅞ Jun 5
95,900	1,024,000	Raytheon Co	5	28½	Sale	22⅞	Sale	21¼	Sale	20⅞ July 22	24 July 8	20⅞ July 22	30½ Jan 8
17,400	135,400	Reading Co common	50	7⅞	Sale	11¾	Sale	10	10⅜	10 July 22	12⅜ July 3	7½ Jan 21	12¾ May 31
2,100	28,000	4% non-cum 1st pfd	50	15¼	Sale	16⅛	16¾	15½	Sale	15¼ July 29	16⅞ July 11	14⅜ Apr 30	18⅝ May 20
3,000	30,000	4% non-cum 2nd pfd	50	12	Sale	13½	14¼	11¼	Sale	11¼ July 31	13¾ July 3	10½ Mar 14	14⅞ May 20
11,000	‡82,200	Red Owl Stores	*	—	—	27½	Sale	26	Sale	26 July 26	28⅜ July 15	‡22⅞ Mar 5	29⅝ May 28
5,800	37,500	Reed Roller Bit Co	*	15⅝	Sale	15¼	15½	15⅞	Sale	14¾ July 12	15⅞ July 30	14¾ July 12	17⅜ Feb 21
35,900	136,400	Reeves Bros Inc	50c	12⅞	Sale	13⅝	Sale	15⅛	Sale	13⅜ July 5	16½ July 12	12 Jan 2	16½ July 12
40,500	537,500	Reichhold Chemicals	1	10¾	Sale	12⅝	Sale	12⅛	Sale	11¾ July 22	13⅜ July 8	10 May 8	14 Jun 19
4,000	38,100	Reliable Stores Corp	10	18½	Sale	21¾	Sale	22⅜	Sale	20⅜ July 8	22⅜ July 31	18⅜ Jan 4	23½ Apr 22
8,500	76,700	Reliance Electric & Eng Co	5	39½	Sale	46	Sale	42	Sale	39½ July 22	46 July 1	38⅛ Jan 3	47¾ Jun 17
11,800	213,500	Reliance Mfg Co com	5	14¼	Sale	16⅛	Sale	14½	Sale	14½ July 30	16⅜ July 2	13¾ Mar 26	20½ Jan 17
140	1,900	3½% conv pfd	100	53	Sale	60⅝	63	60	61½	60 July 24	61¼ July 15	53 Jan 2	69 Jan 17
97,200	702,000	Republic Aviation	50c	16¼	Sale	15½	Sale	16⅛	Sale	15½ July 1	17¾ July 8	15½ Jun 27	18½ Feb 26
34,500	270,500	Republic Corp com	50c	6¾	Sale	9⅝	Sale	9½	Sale	9½ July 1	10¼ July 9	6¾ Jan 2	10¼ Apr 19
1,000	22,800	$1 conv preferred	10	14	Sale	15½	16	15⅞	16	15¾ July 22	16¼ July 24	14 Jan 2	16¾ May 2
131,100	1,701,100	Republic Steel Corp	10	34⅞	Sale	36⅞	Sale	36⅝	Sale	36 July 8	37¼ July 25	34¾ Jan 2	41⅜ Apr 16
27,600	182,500	Revere Copper & Brass	5	36⅛	Sale	45½	Sale	47	Sale	45 July 1	49⅞ July 17	36⅛ Jan 2	49⅞ July 17
109,100	978,000	Revlon Inc	1	40⅜	Sale	40¾	Sale	41⅛	Sale	40¼ July 1	44⅜ July 9	40¼ Jan 2	48½ Jan 24
119,500	663,000	Rexall Drug & Chem Co	2.50	33	Sale	34	Sale	38⅛	Sale	33¼ July 2	38⅝ July 31	29 Mar 6	38⅝ July 31
293,600	1,700,200	Reynolds Metals Co com	*	23¾	Sale	34	Sale	31¼	Sale	29⅝ July 22	35⅜ July 5	23⅝ Jan 2	37¼ Jun 11
900	51,400	4¾% preferred ser A	50	50	50⅜	51½	52¼	51	51¼	51 July 24	52 July 9	49⅝ Jan 8	52⅜ May 21
6,100	61,800	4½% conv 2nd pfd	100	102¼	Sale	109	Sale	106½	Sale	104¼ July 24	109 July 1	102⅛ Jan 3	110 Jan 2
362,500	2,883,300	Reynolds (R J) Tob com	5	41¾	Sale	39	Sale	37½	Sale	36¾ July 17	40¼ July 3	36¾ July 17	47⅜ May 14
1,500	9,940	3.60% preferred	100	87½	89	87⅝	87⅞	87¼	88	87⅜ July 26	87⅝ July 2	87 Feb 7	88¼ Feb 8
68,000	605,700	Rheem Mfg Co	1	10½	Sale	14¾	Sale	14⅝	Sale	14⅜ July 9	15½ July 19	10⅜ Jan 2	15⅞ Jun 24
49,500	567,300	Rhodesian Selection Tr	£	4¼	Sale	5⅛	Sale	5⅛	Sale	5⅛ July 1	5¼ July 1	4¼ Jan 2	6⅛ May 22
77,700	519,700	Richardson-Merrell Inc	1.25	58	Sale	53½	Sale	51⅞	Sale	51 July 30	55½ July 5	51 July 30	65¾ Feb 21
113,500	517,400	Richfield Oil Corp	*	39⅝	Sale	42½	Sale	42¾	Sale	42⅛ July 29	43¾ July 3	39 Jan 2	47⅝ Apr 10
16,000	117,700	Riegel Paper Corp	10	32¾	Sale	31½	Sale	29⅝	Sale	29½ July 29	32⅜ July 15	29½ July 29	36⅜ Apr 16
8,100	71,900	Ritter Co	2.50	19¼	19¾	27½	Sale	27¼	Sale	26 July 22	27¾ July 5	19⅞ Jan 3	29⅛ Jun 18
14,100	165,500	Robertshaw Controls Co	1	24⅝	Sale	24¾	Sale	23⅝	Sale	23⅛ July 23	25⅛ July 2	23⅛ July 23	28⅜ May 31
60,100	273,900	Rochester Gas & Elec Corp	*	27⅝	Sale	34¼	Sale	33⅞	Sale	32¾ July 22	34½ July 1	27 Jan 3	34½ July 1
9,200	124,100	Rochester Telephone Corp	10	37	37¼	40½	Sale	40⅛	Sale	39¾ July 24	41⅛ July 15	37¾ Jan 2	43¼ Apr 15
54,400	467,700	Rockwell-Standard Corp	5	34⅛	Sale	41⅞	Sale	42⅜	Sale	40⅛ July 22	42½ July 11	34⅛ Jan 2	43¾ Jun 21
		Rohm & Haas Co—											
25,300	155,600	Common	5	114	Sale	125¼	Sale	132½	Sale	124½ July 1	133 July 31	104 Feb 12	137½ May 23
900	1,250	4% preferred ser A	100	113½	115½	95½	98	96	99½	98 July 26	98 July 26	94 Mar 19	98 July 26
24,200	278,800	Rohr Corp	1	16⅞	Sale	16½	Sale	16⅜	Sale	16 July 25	16⅞ July 9	16 July 25	17⅞ Jan 9
69,000	399,800	Ronson Corp	1	23⅞	Sale	24¼	Sale	26½	Sale	23½ July 2	27 July 10	21 Mar 18	27½ May 8
14,100	95,700	Roper (Geo D) Corp	1	19	Sale	35½	Sale	38	Sale	35½ July 1	38¼ July 31	18⅝ Jan 2	39⅜ Jun 17
20,400	230,400	Royal Crown Cola Co	1	27	Sale	35¼	Sale	33½	Sale	33¼ July 30	37⅜ July 3	26⅞ Jan 2	38 Feb 6
572,500	3,457,300	Royal Dutch Petrol Co	20g	43½	Sale	47½	Sale	47⅝	Sale	44⅞ July 19	49 July 5	43¼ Jan 2	49¾ May 1
35,100	328,500	Royal McBee Corp	1	9	Sale	9⅛	Sale	9⅛	Sale	8¾ July 22	9¼ July 2	8¾ July 22	10⅞ Jan 17
13,900	79,800	Rubbermaid Inc	1	12⅝	Sale	11⅞	Sale	11⅝	11⅞	11½ July 23	12 July 8	11½ July 23	13½ Jan 9
28,700	241,500	Ruberoid Co	1	27½	Sale	27½	Sale	27⅛	Sale	26⅝ July 10	27⅞ July 26	26⅛ Apr 29	31⅞ Feb 1
1,200	29,200	Ruppert (Jacob)	5	11⅞	12	14	14¼	14	14¼	14 July 5	14¼ July 5	11⅝ Jan 21	15 Jun 10
11,300	108,500	Ryan Aeronautical Co	*	16⅝	Sale	17¼	Sale	16⅞	Sale	16⅞ July 10	17¼ July 1	16½ Mar 21	19⅜ Jan 10
122,600	1,162,400	Ryder System Inc	2.50	9¼	Sale	12¾	Sale	13	Sale	12⅛ July 1	13¾ July 18	9 Jan 2	14 Jun 12
71,100	575,700	Safeway Stores com	1.66⅔	46⅛	Sale	57¾	Sale	58	Sale	57 July 19	60⅜ July 9	45⅜ Feb 4	60⅜ July 9
880	10,160	4% preferred	100	93¾	Sale	93¼	94¼	94⅞	Sale	93⅜ July 12	94⅞ July 31	91¼ Apr 22	96 Feb 20
----	----	4.30% conv preferred	100	200	360	325	425	375	425	— ------	— ------	— ------	— ------
43,000	391,100	St Joseph Lead Co	10	25¼	Sale	33¼	Sale	33¾	Sale	31⅞ July 24	34⅛ July 5	25 Jan 7	34⅜ Jun 24
7,800	63,700	St Joseph Lt & Pwr Co	*	19⅝	Sale	20⅜	20⅞	20⅝	20¾	20 July 15	21 July 22	19 Jan 10	21⅝ Feb 20
75,500	563,900	St Louis-San Fran Ry com	*	18⅞	Sale	25¾	Sale	24⅞	Sale	23¼ July 22	26⅝ July 5	18¾ Jan 2	26⅝ July 5
2,800	35,500	5% preferred ser A	100	80	80½	91	Sale	91	Sale	90 July 25	91¾ July 3	79 Jan 8	92 Jun 21
75,700	908,200	St Regis Paper Co	5	26¾	Sale	31	Sale	29½	Sale	29 July 22	31 July 1	26½ Jan 2	34⅜ Apr 22
30,100	261,100	San Diego Gas & Elec Co	10	35⅜	Sale	37¼	Sale	37¼	Sale	36½ July 26	37⅝ July 11	35 Jan 2	39⅝ Mar 15
198,800	2,522,300	San Diego Imperial Corp	1	10	Sale	11½	Sale	11¾	Sale	11⅜ July 1	12⅞ July 9	10 Jan 2	13¾ Apr 15
23,900	133,800	Sangamo Electric Co	5	11⅞	12	10½	Sale	10¼	Sale	10⅛ July 15	10⅞ July 5	10⅛ July 15	13⅜ Jan 10
60,700	626,000	Schenley Industries Inc	1.40	18½	Sale	21⅜	Sale	20⅞	Sale	20⅜ July 22	22⅞ July 11	18½ Jan 2	23⅛ May 21
7,500	66,800	Convertible pref	35c	9¼	Sale	10⅛	10¼	9⅞	Sale	9⅞ July 17	10¼ July 3	9⅛ Jan 15	10¼ Jun 27
103,400	634,600	Schering Corp common	1	39⅝	Sale	38¼	Sale	36⅜	Sale	35⅜ July 22	38¼ July 1	35⅜ July 22	45½ Jan 16
7,500	75,800	5% conv preferred	30	33⅛	Sale	32⅞	Sale	32⅛	Sale	32 July 17	33 July 2	32 July 17	35⅞ Jan 16
103,800	542,700	Schick Inc	1	6⅝	Sale	9¼	Sale	9¾	Sale	9 July 1	10¾ July 11	6¼ Jan 2	10¾ July 11
34,800	374,000	Schlumberger (Ltd)	1	66¼	Sale	68⅛	Sale	64¼	Sale	64¼ July 29	65¼ July 29	64¼ July 29	75¾ Apr 26
41,700	574,500	SCM Corp common	5	13¾	Sale	11⅝	Sale	10½	Sale	10⅜ July 30	11⅞ July 1	10⅜ July 20	16⅜ Jan 23
9,700	107,600	5½% conv preferred	50	52½	Sale	50½	51	49¼	Sale	49⅛ July 31	51 July 3	49⅛ July 31	59 Jan 22

For footnotes, see page 29.

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Aggregate Sales in July Shares	Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY — July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
201,300	1,102,100	Scott Paper Co common	*	32⅜	Sale	33¼	Sale	33¾	Sale	32½ July 1	34 July 16	31 Mar 15	36⅜ Apr 26
290	2,040	$3.40 preferred	*	85½	87	90	90½	90	91	90 July 5	90 July 5	86 Jan 8	92 Apr 5
70	4,150	$4 preferred	*	97	99½	100	102½	100	102	100½ July 11	101 July 30	97⅛ Jan 9	102 Jan 28
38,500	383,150	Scovill Mfg Co common	25	21⅛	Sale	29	Sale	29⅛	Sale	27⅞ July 24	29¼ July 30	21⅛ Jan 2	29⅜ Jun 21
----	450	3.65% preferred	100	77	78½	78¼	79½	78	80	-- ------	-- ------	77 Jan 18	82 Jun 4
8,300	133,000	Screw & Bolt Corp of Amer	1	4½	Sale	4½	Sale	4½	Sale	4⅜ July 1	4¾ July 8	4⅜ Jan 2	5½ Apr 2
56,600	695,900	Seaboard Air Line RR	20	33⅜	Sale	39⅞	Sale	36¼	Sale	35¼ July 26	40⅛ July 10	32½ Jan 2	40¼ May 29
50,300	559,600	Seaboard Finance	1	17⅛	Sale	21	Sale	20	Sale	19⅞ July 26	21⅜ July 5	17⅛ Jan 2	22¼ Jun 14
15,500	‡22,200	Seagrave Corp (The)— New common	2.50	--	--	12⅝	Sale	10⅞	Sale	10¼ July 29	12¾ July 1	‡10¼ July 29	14 Jun 4
11,100	‡89,000	Sealright-Oswego Falls	5	--	--	33⅝	Sale	31⅞	Sale	31¾ July 41	34½ July 5	‡29¾ Mar 19	36¼ Apr 25
122,900	1,140,400	Sears Roebuck & Co	3	76⅜	Sale	89⅜	Sale	88	Sale	85½ July 19	90¼ July 9	74 Jan 17	90¾ May 22
8,700	106,400	Seiberling Rubber Co	1	9½	10	14¼	Sale	13⅜	Sale	11⅛ July 17	14¼ July 1	9 Mar 6	16 May 20
25,000	382,100	Servel Inc common	1	9¼	Sale	7⅝	Sale	7½	Sale	7⅜ July 8	7⅞ July 11	7¼ Jun 4	11¼ Jan 22
70	1,070	$5.25 preferred	*	103	105	105½	107½	106	108	105 July 9	106 July 25	103¼ Jan 8	106 Mar 12
23,400	23,400	Servomation Corp	1	--	--	--	--	20½	Sale	20½ July 31	22⅞ July 29	20½ July 31	22⅞ July 29
13,500	247,400	SFC Financial Corp	1	--	--	15½	Sale	14¾	Sale	14¾ July 23	15¾ July 1	13½ Jan 24	16½ Jun 7
19,100	125,300	Shahmoon Industries Inc	2.50	9½	Sale	15¼	Sale	16½	Sale	15¼ July 1	18⅞ July 5	9½ Jan 2	18⅞ July 5
24,600	316,600	Shamrock Oil & Gas	1	37⅛	Sale	38⅞	Sale	37⅞	Sale	37¼ July 29	39¾ July 5	34½ Jan 30	43½ Apr 22
17,400	242,100	Sharon Steel Corp	*	18¾	Sale	21½	Sale	20⅞	Sale	20¾ July 22	22¼ July 11	18¾ Jan 2	24¼ Apr 16
19,200	170,900	Shattuck (Frank G) Co	*	12	Sale	13¾	Sale	13¼	Sale	12⅞ July 22	14⅝ July 5	11⅞ Jan 2	17½ May 7
197,600	1,443,600	Shell Oil Co	1	38	Sale	44⅝	Sale	43⅜	Sale	43 July 9	45¼ July 15	34⅝ Jan 16	45⅞ July 12
47,700	432,100	Shell Transport & Trading N Y shares ordinary		22⅞	Sale	23½	Sale	23⅝	Sale	23 July 18	24⅝ July 17	22¼ Feb 11	24⅞ May 3
14,600	207,300	Sheller Mfg Corp	1	19¼	Sale	22⅝	Sale	23¼	Sale	22½ July 17	23⅞ July 9	19¼ Jan 2	25¼ May 23
46,000	577,800	Sheraton Corp of Amer	50c	10⅝	Sale	8⅞	Sale	8⅜	Sale	8⅛ July 23	8⅞ July 1	8⅛ July 23	13⅛ Jan 14
9,900	60,500	Shoe Corp of America	1	16¼	Sale	16¼	Sale	16¼	Sale	16 July 10	16½ July 1	16 July 10	19⅛ Feb 18
12,900	117,800	Signode Steel Strapping Co	1	24½	Sale	24½	Sale	22⅝	Sale	22 July 23	24½ July 1	21¼ Jun 20	26½ Jan 28
17,500	182,700	Simmons Co	*	32½	Sale	40⅝	Sale	41¾	Sale	39¼ July 22	42¼ July 31	32½ Jan 2	42¼ July 31
6,500	45,900	Simonds Saw & Steel Co	*	28¾	29¼	27½	27	27½	Sale	27½ July 3	29¾ July 12	27½ Jun 28	32¾ Feb 11
26,600	201,700	Simplicity Pattern Co	50c	22¼	Sale	26½	Sale	28	Sale	26¼ July 16	28 July 18	22 Jan 7	28½ Apr 15
171,000	1,735,700	Sinclair Oil Corp	5	36	Sale	44⅛	Sale	45⅝	Sale	42⅝ July 22	46⅜ July 31	35½ Jan 2	46⅝ Apr 30
117,100	‡353,500	Singer Co	10	--	--	78⅛	Sale	73½	Sale	69¼ July 23	80⅜ July 11	‡63 Mar 1	80⅜ July 11
37,700	175,100	Skelly Oil Co	25	56	Sale	61½	Sale	65¼	Sale	61 July 1	68½ July 15	55¾ Jan 3	68½ July 15
23,200	244,000	Smith (A O) Corp	10	23¼	Sale	32⅜	Sale	29⅝	Sale	28½ July 22	32¾ July 5	23 Jan 2	33¾ Jun 12
92,500	821,100	Smith-Douglass Co Inc	5	23¾	Sale	44⅞	Sale	41¼	Sale	41 July 23	47⅜ July 11	23⅝ Jan 2	49⅝ Jun 20
48,200	453,000	Smith Kline & French Lab	*	64¼	Sale	63¾	Sale	64	Sale	62½ July 2	64⅞ July 16	60¾ Mar 20	68½ Apr 29
139,400	1,271,000	Socony Mobil Inc	15	58⅜	Sale	68¾	Sale	69⅜	Sale	67⅝ July 23	70⅜ July 5	58¼ Jan 2	70⅜ July 5
42,900	583,300	Soo Line RR Co	*	11⅞	Sale	21¾	Sale	21⅜	Sale	19¼ July 22	22¼ July 10	11⅞ Jan 2	23¾ Jun 7
15,900	225,000	South Amer Gold & Plat	1	8⅜	Sale	8¾	Sale	8¾	Sale	8½ July 23	9 July 8	8¼ Jan 4	10¼ Feb 6
28,100	174,600	So Caro El & Gas com	4.50	56½	Sale	56¾	Sale	56½	Sale	55 July 18	58¼ July 1	53¼ Jan 21	61½ Apr 24
500	4,500	5% preferred	50	52	54	52¾	53½	53¼	54½	53 July 10	53½ July 16	51⅝ Mar 18	54 Feb 4
2,600	62,800	South Jersey Gas Co	2.50	33	Sale	40¼	Sale	40	Sale	39 July 22	60⅞ July 3	32¾ Jan 2	41½ Feb 28
58,800	1,647,800	South Puerto Rico Sugar	5	29½	Sale	42½	Sale	33	Sale	31¾ July 29	42⅞ July 11	28½ Jan 2	49¾ May 21
2,100	33,000	8% preferred	25	31	Sale	33¼	34	32¾	Sale	32 July 31	33¾ July 5	30½ Jan 4	25½ Feb 25
7,800	109,700	Southeastern Pub Service	1	23¼	Sale	24	Sale	23	Sale	22¾ July 29	24 July 1	22¼ Jan 15	27 Feb 18
157,200	1,162,700	Southern Calif Edison	8⅓	30⅞	Sale	31¼	Sale	31⅝	Sale	30 July 18	31⅞ July 31	30 July 18	33 Jan 25
73,900	460,100	Southern Co (The)	5	51½	Sale	53⅛	Sale	55⅞	Sale	53 July 1	56 July 26	51⅛ Jan 2	57 May 13
3,800	47,800	Southern Indiana Gas & El	*	50	Sale	54½	Sale	54	54½	52⅞ July 8	54½ July 1	50 Jan 2	57¾ Apr 25
36,900	361,900	Southern Natural Gas	7.50	43	Sale	52¼	Sale	51¼	Sale	48 July 22	52¼ July 1	43 Jan 2	53 Jun 18
171,900	1,519,100	Southern Pacific Co	*	29⅛	Sale	36⅛	Sale	34½	Sale	33½ July 23	36⅞ July 10	28⅜ Mar 1	37½ Jun 24
69,000	484,100	Southern Ry Co common	*	56¾	Sale	66⅝	Sale	62	Sale	62 July 31	68 July 10	55¼ Mar 6	68 July 10
9,200	122,300	5% non-cum pfd	20	20⅛	Sale	21¼	Sale	20½	Sale	20½ July 31	21⅜ July 1	19⅞ Feb 5	21⅜ May 3
20	810	Mobile & Ohio Ctfs	100	71¾	74	77½	81	78¼	80	78¼ July 11	78¼ July 11	72 Jan 31	79 Jun 13
25,500	211,200	Southwestern Pub Serv	1	35	Sale	37	Sale	36	Sale	35⅜ July 23	38 July 9	33⅜ Mar 1	38⅛ Jun 21
7,600	89,300	Spalding (A G) & Bros Inc	1	15	Sale	16	Sale	17⅝	Sale	16 July 1	17⅝ July 31	15 Jan 2	19½ May 23
21,000	322,500	Spartans Industries	1	12½	Sale	14⅝	Sale	13⅛	Sale	13 July 31	14⅝ July 1	10⅝ Mar 6	15¼ Jun 18
91,500	390,800	Sparton Corp	2.50	7⅛	Sale	9½	Sale	9¾	Sale	9¼ July 5	10½ July 12	6⅞ Jan 3	10½ July 12
68,500	592,400	Spencer Chemical com	6	29⅜	Sale	31	Sale	29⅜	Sale	27⅞ July 25	31⅝ July 3	25⅞ Mar 19	35¾ May 23
350	1,670	4.20% preferred	100	95¾	96½	95½	96	95⅝	96	95 July 17	96 July 24	94¼ May 7	97 Feb 1
607,800	5,722,000	Sperry-Rand Corp com	50c	13¾	Sale	14½	Sale	15	Sale	13¾ July 23	15⅝ July 31	12⅞ Mar 26	16½ Jun 12
2,550	12,310	$4.50 preferred	25	94	94½	95	Sale	96½	97½	94¾ July 12	97 July 30	93 Apr 24	98½ Feb 7
65,400	824,400	Spiegel Co Inc common	*	25¼	Sale	28¾	Sale	26⅞	Sale	26 July 18	29½ July 9	25 Jan 3	32¼ May 16
680	3,370	$4.50 preferred	*	82¾	Sale	90	90¾	90½	Sale	90¼ July 2	90¾ July 11	82⅛ Jan 2	90¾ Jun 20
50,500	443,800	Square D Co	5	35⅞	Sale	45½	Sale	45¼	Sale	44¼ July 2	46½ July 5	35⅞ Jan 2	48½ Feb 22
8,800	23,900	Staley (A E) Mfg Co	10	--	--	37⅜	37¾	35½	Sale	35 July 26	39 July 11	35 July 26	43⅛ May 29
40,400	324,100	Standard Brands common	*	64⅛	Sale	74¾	Sale	70⅛	Sale	70⅛ July 31	76 July 5	64 Jan 2	76 July 5
1,800	8,710	$3.50 preferred	*	83	Sale	83	Sale	83¼	Sale	83 July 1	85 July 18	81 Jan 22	85¾ Apr 15
62,600	583,400	Standard Kollsman Ind Inc	1	18⅞	Sale	14⅞	Sale	13½	Sale	13¼ July 22	15⅜ July 5	13¼ July 22	20½ Feb 14
136,200	1,121,400	Standard Oil Co— California common	6.25	63	Sale	65	Sale	66⅝	Sale	64⅛ July 1	67 July 31	61¼ Feb 28	69¼ Apr 24
12,300	63,500	$3.30 conv preferred	*	95½	Sale	95¼	Sale	96¾	Sale	93¾ July 22	96¾ July 31	93 Feb 13	98¼ Apr 9
135,900	1,268,800	Indiana	25	48¼	Sale	60	Sale	61¾	Sale	57⅛ July 22	62⅛ July 31	46⅝ Jan 2	62⅛ July 31
537,600	4,066,100	New Jersey	7	59½	Sale	68⅜	Sale	70⅛	Sale	67⅜ July 1	70¾ July 31	58⅜ Jan 2	70¾ July 31
30,300	213,900	Ohio common	10	53¼	Sale	62	Sale	65¾	Sale	61⅜ July 9	66 July 31	52⅝ Jan 2	70⅝ May 13
200	3,300	3¾% pfd series A	100	89½	91½	91½	93	93	93¼	92¼ July 8	92½ July 29	90 Jan 22	93 Apr 3
69,700	616,900	Standard Pckg Corp com	1	14¾	Sale	13⅜	Sale	13⅝	Sale	12⅛ July 23	13⅞ July 31	12⅛ July 23	16¼ Feb 26
600	7,100	$1.60 conv preference	20	49½	Sale	47¾	48⅜	47	Sale	46¼ July 26	47¾ July 2	46¼ July 26	53½ Jan 9
49,800	107,700	$1.20 conv preference	20	24¾	Sale	22¾	Sale	23	Sale	22½ July 1	24 July 5	22⅛ Jun 26	26 Jan 17
7,700	114,100	6% conv preferred	20	25⅛	25½	23¾	24	23⅞	Sale	23⅝ July 24	24½ July 3	23 May 24	27½ Jan 29
16,200	162,000	Standard Pressed Steel Co	1	12¾	Sale	11¾	Sale	11⅝	Sale	11⅜ July 18	12 July 3	11⅜ July 18	16⅜ Jan 24
22,500	237,900	Stanley Warner Corp	5	21⅛	Sale	22	Sale	21¾	Sale	21⅛ July 19	22⅜ July 8	20½ Mar 25	24¾ May 24
32,800	220,000	Stanray Corp	1	7¼	Sale	9½	Sale	9⅜	Sale	9⅛ July 22	10⅜ July 5	7¼ Jan 2	10⅜ July 5
2,500	18,100	Starrett Co (The) L S	*	31	32	29¼	30	30¼	Sale	29⅝ July 8	30¾ July 12	29 Mar 18	31½ Jan 3
56,800	417,500	Stauffer Chemical com	5	35¾	Sale	32¼	Sale	31⅞	Sale	31⅝ July 23	33⅜ July 11	31⅝ July 23	38⅝ Jan 15
----	240	3½% preferred	100	83¼	84	83½	84	82	84	-- ------	-- ------	82¾ Jun 14	85 Feb 27
3,400	25,000	Sterchi Bros Stores Inc	1	16⅛	Sale	14⅜	14¾	14	Sale	14 July 31	14⅜ July 2	14 July 31	17¼ Feb 6
400	241,900	Sterling Drug Inc	5	75	Sale	79¼	Sale	--	--	79 July 1	79¼ July 1	71½ Jan 18	84⅞ May 16
126,500	‡172,600	New common	2.50	--	--	26⅜	Sale	27	Sale	24⅝ July 23	27⅛ July 2	‡24⅝ July 23	28½ May 20
112,800	554,200	Stevens (J P) & Co Inc	15	30⅜	Sale	33⅝	Sale	36¼	Sale	33½ July 1	37¼ July 19	29½ Jan 18	37¼ July 19
20,500	258,800	Stewart-Warner Corp	2.50	30¼	Sale	34¾	Sale	35¼	Sale	33⅜ July 12	35⅜ July 5	29¼ Feb 25	37¼ Jun 5
27,000	323,900	Stokely-Van Camp com	1	18⅜	Sale	18⅝	Sale	20⅛	Sale	18½ July 1	20⅞ July 26	17¾ Jan 11	24¼ Jan 25
5,700	42,000	5% prior preference	20	18¾	19	19⅞	Sale	20¼	Sale	19⅝ July 2	20⅜ July 15	18¾ Jan 11	20⅜ July 15
14,900	143,800	Stone & Webster Inc	1	51	Sale	54½	Sale	56	Sale	54½ July 1	57 July 3	50⅛ Mar 20	58½ Jun 12
6,300	55,200	Stone Container Corp	1	15¾	Sale	14⅞	Sale	14½	Sale	14¼ July 12	15⅛ July 16	14¼ July 12	18⅜ Jan 11
35,500	190,600	Storer Broadcasting Co	1	31⅛	Sale	39¾	Sale	38⅝	Sale	37¾ July 26	40⅜ July 11	31 Jan 2	42½ May 31
11,800	79,100	Stouffer Foods Corp	1.25	23⅝	Sale	29⅛	Sale	32½	Sale	29⅛ July 1	33¾ July 17	23½ Jan 2	34¾ May 14
614,700	4,078,400	Studebaker Corp	1	6¼	Sale	6⅝	Sale	6⅝	Sale	6 July 22	6⅞ July 3	5⅞ May 17	8 Feb 14
23,700	235,100	Suburban Gas	1	17½	Sale	17⅞	Sale	18	Sale	17½ July 19	18⅝ July 2	17½ Jan 2	21½ Apr 16
15,200	213,310	Suburban Propane Gas	1	25⅛	Sale	29¾	Sale	29½	Sale	28¾ July 22	30⅜ July 5	25⅛ Jan 2	31⅜ May 14
4,900	87,300	SuCrest Corp	1	18½	19	23⅝	24½	21⅞	Sale	21½ July 17	23⅞ July 3	18⅝ Jan 3	28½ May 21
24,400	165,800	Sunbeam Corp	1	43¼	Sale	54⅜	Sale	54	Sale	51¾ July 26	55 July 10	41⅛ Jan 4	55¼ Jun 25
23,400	335,300	Sunstrand Corporation	5	23	Sale	26¼	Sale	24½	Sale	24⅛ July 29	26⅜ July 10	21½ Jan 2	28⅛ May 23
9,000	110,000	Sun Chemical Corp com	1	8¾	Sale	9⅛	Sale	8⅞	Sale	8⅞ July 22	9⅜ July 9	8¾ Jan 2	10¼ Feb 5
110	2,450	$4.50 preferred series A	*	84	86	96⅞	98½	95½	97½	96½ July 29	98 July 9	85 Jan 7	98½ May 10
27,200	186,400	Sun Oil Co	*	44½	Sale	47¾	Sale	54¼	Sale	47¼ July 8	50⅞ July 30	43½ Jan 3	50⅞ July 30
630,500	5,457,200	Sunray DX Oil Co	1	25½	Sale	33¼	Sale	34¾	Sale	32½ July 1	36 July 17	25¼ Jan 2	36 July 17
19,900	‡55,000	Sunshine Biscuits	6.25	--	--	52	Sale	51¼	Sale	51¼ July 31	54 July 18	‡51¼ July 1	56⅜ May 2
76,400	571,500	Sunshine Mining Co	10c	7¾	Sale	11½	Sale	11⅜	Sale	11⅛ July 22	12⅛ July 2	7¾ Jan 2	12¼ Jun 12
5,210	52,240	Superior Oil Co (Calif)	25	1087	Sale	1390	Sale	1338	Sale	1280 July 22	1418 July 8	1045 Jan 21	1559 May 14
6,600	46,900	Sweets Co of Am	1.38 8/9	15¾	Sale	17	17⅜	18¼	Sale	17⅛ July 3	19¼ July 12	15⅝ Jan 2	20 May 1
69,100	515,700	Swift & Co	25	40¾	Sale	39¾	Sale	40½	Sale	38⅝ July 18	40½ July 29	38⅝ July 18	44⅜ Apr 10
30,000	310,100	Swingline Inc class A	1	31⅛	Sale	34⅝	Sale	36⅛	Sale	34⅜ July 2	37⅜ July 9	29⅝ Apr 2	38⅜ Jun 12
40,100	525,500	Symington-Wayne Corp	1	15½	Sale	18¼	Sale	17½	Sale	17 July 22	19 July 5	15⅜ Jan 2	19⅜ Jun 14
13,600	236,400	Taft Broadcasting Co	1	17⅞	Sale	25½	Sale	24⅝	Sale	23 July 16	25⅞ July 5	17⅞ Jan 2	28¼ May 20
32,000	530,900	Talcott (James) Inc	4.50	40⅛	Sale	33½	Sale	32¼	Sale	31⅛ July 22	33¾ July 1	31⅛ July 22	42¼ Jan 18
12,500	37,300	Talon Inc	5	--	--	44¼	Sale	43	Sale	42½ July 19	45¼ July 17	§30¾ Jan 4	48½ May 9
9,600	125,800	Tandy Corp	1	6¾	Sale	6¼	Sale	6⅝	Sale	6¼ July 1	6¾ July 29	5⅛ July 12	7¾ Jan 25
76,700	101,100	Technical Material	12½c	--	--	25⅛	Sale	23¾	Sale	23⅜ July 22	27 July 3	22⅛ Mar 27	29½ Jan 23
24,400	183,300	TelAutograph Corp	1	5⅞	Sale	5⅝	Sale	4¾	Sale	4⅜ July 22	5⅝ July 1	4⅜ July 22	7⅜ Jan 25
327,800	2,432,800	Tennessee Gas Trans Co	5	18	Sale	20¼	Sale	20⅛	Sale	19½ July 29	20¼ July 1	17¾ Jan 2	21½ Apr 30
246,800	2,084,300	Texaco Inc	12.50	61½	Sale	70½	Sale	72⅜	Sale	69 July 22	74¾ July 5	59½ Jan 7	73¾ July 5

For footnotes, see page 29.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
101,200	893,600	Texas Eastern Transmn	3.50	16½	Sale	18⅝	Sale	18⅛	Sale	18⅛ July 5	19 July 9	16¼ Jan 2	19 Jun 13
17,900	129,700	Texas Gas Transmission	5	41½	41⅞	46¾	Sale	45	Sale	43⅞ July 11	46¾ July 1	41¼ Mar 4	49¼ May 22
219,700	2,327,300	Texas Gulf Producing	33⅓	41⅝	Sale	58	Sale	57⅛	Sale	55½ July 22	61¾ July 5	41⅝ Jan 2	62¼ Jun 11
195,200	1,552,900	Texas Gulf Sulphur	*	14⅜	Sale	14½	Sale	14⅞	Sale	14⅛ July 2	15⅛ July 11	13¾ Mar 26	16⅞ May 15
161,400	1,378,800	Texas Instruments Inc	1	63¾	Sale	77¾	Sale	75¼	Sale	69⅝ July 22	78⅜ July 3	57 Apr 5	89½ Jun 4
52,900	1,068,800	Texas Pacific Coal & Oil	10	48⅞	Sale	65⅜	Sale	65⅜	Sale	65¼ July 19	66⅛ July 11	47⅝ Jan 2	66⅛ July 11
24,000	281,200	Texas Pacific Land Trust Sub shares	1	17⅜	17¾	22	Sale	21¾	Sale	20¼ July 22	24¼ July 3	17½ Jan 3	25¼ Feb 13
119,300	714,400	Texas Utilities Co	*	51½	Sale	52¼	Sale	52⅞	Sale	51⅛ July 22	53⅞ July 3	50½ Jan 24	55⅞ May 31
170,200	1,015,000	Textron Inc common	50c	30	Sale	36	Sale	35½	Sale	33 July 22	36¾ July 3	29½ Mar 21	38½ Jun 7
1,400	39,500	$1.25 conv preferred	*	32	Sale	37¾	38¾	38⅛	Sale	36½ July 23	38¾ July 5	32 Jan 2	40½ Jun 7
62,200	438,600	Thatcher Glass Mfg	5	25⅝	Sale	31½	Sale	29⅞	Sale	29¾ July 29	32½ July 3	25⅝ Jan 2	35¼ Apr 30
184,100	1,109,100	Thiokol Chemical Co	1	28⅛	Sale	24⅛	Sale	20¾	Sale	19⅝ July 22	24½ July 5	19⅝ July 22	30⅞ May 31
9,300	78,700	Thomas & Betts Co	1	28½	Sale	28¼	Sale	26¾	Sale	26 July 26	28½ July 5	26 July 26	29¾ Apr 11
1,900	12,700	Thompson (John R)	7.50	11	11½	12	12⅜	11⅛	Sale	10⅝ July 26	12 July 2	10⅝ July 26	14 Feb 18
40,800	360,200	Thompson-Ramo Wooldridge Common	5	52¾	Sale	56½	Sale	53½	Sale	50⅜ July 22	56¾ July 8	50⅛ Mar 20	60⅛ May 8
740	5,610	4% preferred	100	88½	89½	90½	92	90	91½	90 July 2	91 July 10	89½ Jan 11	93¼ May 27
2,900	29,000	Thor Power Tool Co	*	29¼	29⅝	30⅜	31	31	31½	30⅝ July 17	31⅜ July 8	29½ Jan 4	33⅜ Feb 13
273,900	963,100	Tidewater Oil Co com	10	22⅛	Sale	25⅞	Sale	26⅝	Sale	25⅝ July 22	28 July 12	19⅝ Mar 4	28 July 12
10,700	97,100	$1.20 preferred	25	25	Sale	25⅜	Sale	25¼	Sale	25¼ July 11	25⅝ July 5	24¾ Mar 13	25⅝ Mar 20
43,800	336,000	Timken Roller Bearing	*	53⅝	Sale	68	Sale	64½	Sale	62¾ July 22	69⅞ July 5	53⅝ Jan 2	69⅞ July 5
11,200	114,600	Tishman Realty & Const	1	18	Sale	18⅜	Sale	18⅛	Sale	17¼ July 19	18⅜ July 1	16⅞ Apr 26	20 Jan 3
58,400	261,000	Toledo Edison Co (The)	5	26½	Sale	28¾	Sale	29¼	Sale	28⅝ July 1	30⅛ July 8	25¾ Mar 1	30⅛ July 8
7,200	69,200	Torrington Co	*	58⅛	58½	72½	Sale	69	Sale	66¾ July 24	73¾ July 3	58¼ Jan 3	73¾ July 3
16,800	231,100	Tractor Supply Co	1	20⅜	Sale	23¾	Sale	22¾	Sale	22⅛ July 29	24⅜ July 11	20¼ Jan 2	29¾ May 1
16,000	115,000	Trane Co (The)	2	68	Sale	71⅜	Sale	69¾	Sale	68 July 19	72¼ July 2	65½ Feb 8	76¾ Apr 24
68,300	592,100	Transamerica Corp com	2	45	Sale	50¾	Sale	52	Sale	49⅝ July 1	52⅝ July 31	44½ Jan 3	54 May 3
5,000	58,600	4½% conv preferred	100	136	Sale	150½	Sale	155	Sale	148 July 3	155 July 18	133½ Feb 4	159½ May 3
54,600	557,800	Transitron Electronic Corp	1	6⅞	Sale	5½	Sale	4⅝	Sale	4½ July 19	5¾ July 1	4½ July 19	7¾ Jan 24
30,100	306,700	Transwestern Pipeline Co	1	9⅞	Sale	10¼	Sale	10¼	Sale	10 July 2	10½ July 31	9⅜ Mar 1	12⅜ Apr 3
85,100	694,200	Trans World Airlines Inc	5	10½	Sale	17¼	Sale	18¼	Sale	16 July 2	19 July 11	10¼ Jan 31	19¾ Jun 4
25,400	311,300	Trans-World Financial Co	1	17⅝	Sale	16¾	Sale	16½	Sale	16 July 29	18 July 9	16 July 29	22½ Apr 15
51,400	348,100	Tri-Continental Corp com	1	42¾	Sale	46⅛	Sale	46⅛	Sale	44⅛ July 22	47¼ July 11	42⅜ Mar 4	48⅜ Jun 3
16,800	25,000	$2.50 preferred	50	--	--	55	Sale	54⅜	Sale	53⅝ July 8	55⅛ July 2	53⅝ July 8	55¾ May 13
41,500	574,800	Tung-Sol Electric Co com	1	14¾	Sale	23⅞	Sale	20	Sale	19 July 31	24 July 3	14¾ Jan 2	28⅜ May 15
3,100	18,600	5% pfd series of 1957	50	45¼	46½	48⅞	Sale	48½	49¾	48⅞ July 1	50 July 1	45¼ Apr 30	50 July 1
99,000	1,355,000	20th Century-Fox Film	1	20¼	Sale	29⅞	Sale	29	Sale	28⅛ July 30	30⅞ July 5	20 Jan 2	37 Jun 3
9,100	79,700	Twin Industries Corp	1	10	Sale	7¾	Sale	7⅝	Sale	7¼ July 16	8¼ July 9	7¼ July 16	11 Jan 22
19,700	394,700	Udylite Corp (The)	1	17⅛	Sale	20¾	Sale	20⅛	Sale	19½ July 17	21 July 3	17⅛ Jan 2	23½ Apr 18
52,300	195,900	Unarco Industries	5	--	--	10½	Sale	13⅛	Sale	10⅛ July 1	13¼ July 31	8⅛ Jan 3	13¼ July 31
67,700	498,100	Unilever Ltd Am dep rcts ord		22⅛	Sale	23	Sale	22⅝	Sale	22⅛ July 18	24⅜ July 5	21½ Jan 29	25½ May 10
69,500	471,500	Unilever N V ord shs	20g	38⅜	Sale	46⅛	Sale	45⅜	Sale	41¾ July 19	47½ July 8	38 Jan 2	49¾ Jun 4
49,600	456,900	Union Bag-Camp Paper	6⅔	34⅝	Sale	35⅞	Sale	35⅝	Sale	34 July 1	36¼ July 12	34 July 1	41½ May 24
125,500	1,011,200	Union Carbide Corp	*	101¼	Sale	102¾	Sale	105¼	Sale	102⅛ July 22	106½ July 31	100¾ Jan 2	112¾ Feb 4
84,700	‡257,700	Union Electric Co com	5	--	--	26¾	Sale	27⅛	Sale	26¾ July 1	27½ July 31	‡26¾ July 1	28½ May 10
1,920	10,050	$4.50 preferred	*	100	Sale	100⅝	Sale	101	Sale	100¼ July 17	102½ July 23	100 Jan 2	102¾ May 17
60	270	$3.70 preferred	*	82½	83½	83½	85½	83½	85½	82½ July 17	82½ July 17	82½ May 23	83½ Jan 7
710	5,010	$3.50 preferred	*	77½	78½	78½	Sale	78	79	77½ July 16	79 July 29	75⅝ Jan 25	82 Mar 14
410	2,680	$4.00 preferred	*	91½	93	92	94½	92	Sale	91½ July 12	93½ July 26	91½ July 12	95 Jan 14
78,900	592,800	Union Oil of California	25	63⅛	Sale	73	Sale	74½	Sale	70⅞ July 22	75⅝ July 11	59⅝ Jan 25	75⅝ July 11
177,500	1,157,600	Union Pacific RR com	10	33¼	Sale	41⅛	Sale	39¼	Sale	37¾ July 23	41¾ July 10	33¼ Jan 2	42 May 21
99,600	379,000	4% preferred	10	8¾	Sale	9¼	Sale	9½	Sale	9⅛ July 1	9⅝ July 29	8¾ Jan 2	9⅝ July 29
56,100	595,700	Union Tank Car Co	*	27¼	Sale	34¼	Sale	32⅝	Sale	31⅝ July 22	35⅛ July 3	26⅝ Jan 2	35⅜ Jun 12
4,100	71,800	Union Twist Drill Co	5	23⅝	Sale	25⅝	Sale	25¼	26½	25⅛ July 30	26½ July 8	23½ Jan 2	32⅝ Jun 4
231,900	1,012,000	United Air Lines Inc	10	32¼	Sale	38¼	Sale	38¼	Sale	36½ July 19	39¼ July 29	31¼ Jan 3	43⅜ Jun 24
68,000	574,300	United Aircraft common	5	51⅜	Sale	45⅞	Sale	44¼	Sale	43½ July 26	47¾ July 19	43½ July 26	53⅞ Jan 8
300	2,700	4% cv pfd (1955 ser)	100	107½	Sale	99	105	99	105	101 July 25	103½ July 10	101 Jun 28	112 Jan 18
3,600	19,800	4% cv pfd (1956 ser)	100	102½	Sale	95	96½	92	Sale	91 July 30	97¼ July 2	91 July 30	102½ Jan 2
136,800	425,500	United Artists Corp	1	28	Sale	25½	Sale	24⅛	Sale	23⅞ July 19	25⅝ July 2	23⅞ July 19	32 Feb 21
41,600	303,600	United Biscuit Co of Amer	*	39¾	40¼	33⅜	Sale	31½	Sale	30½ July 22	33¾ July 2	30¼ May 1	40¾ Jan 10
1,300	125,300	United Board & Carton	*	--	--	20¼	Sale	18⅞	19¾	19¼ July 22	20¼ July 1	18½ Mar 27	31 Jan 10
7,700	133,700	United-Carr Fastener	2.50	30	30½	35¾	Sale	35⅜	Sale	34¾ July 25	37⅞ July 9	29 Jan 28	37⅞ July 9
73,500	712,500	United Corp (Del)	1	8⅛	Sale	8⅛	Sale	8½	Sale	8 July 1	8½ July 31	8 Jan 2	8¾ Feb 8
1,800	24,300	United Electric Coal Cos	5	54¼	Sale	48¾	49¾	48½	Sale	46⅞ July 24	48¾ July 2	46½ Jun 11	59 Jan 21
12,800	139,000	United Eng & Foundry	5	18	Sale	19	Sale	18⅛	Sale	18 July 30	19 July 1	18 Jan 2	20 Jan 30
51,800	653,300	United Financial Corp	1	21⅝	Sale	23¼	Sale	24¾	Sale	23⅛ July 1	25⅝ July 19	20½ Mar 19	27⅞ Apr 15
121,100	989,400	United Fruit Co	*	21⅞	Sale	26⅞	Sale	25⅛	Sale	24⅛ July 23	27¼ July 8	21⅞ Jan 2	30⅛ Apr 22
97,400	732,400	United Gas Corp	10	36¾	Sale	39⅜	Sale	38⅞	Sale	38 July 11	39⅜ July 1	35⅛ Mar 14	39¾ May 3
13,000	123,900	United Gas Improvemt	4.50	21¼	Sale	24¾	Sale	24⅜	Sale	24 July 3	25 July 1	21¼ Jan 2	27⅝ May 23
13,100	138,600	United Greenfield Corp	10	19	Sale	22⅞	Sale	20⅞	Sale	20⅜ July 29	22⅞ July 1	19 Jan 2	23¾ May 16
42,200	465,300	United Merch & Mfgs	1	17¾	Sale	18⅛	Sale	17¾	Sale	17¾ July 17	18⅜ July 3	17⅝ Jan 2	19⅞ Jan 30
23,900	258,700	United Park City Mines	1	1⅛	Sale	1¼	Sale	1¼	Sale	1⅛ July 1	1¼ July 1	1⅛ Jan 2	1½ Apr 5
42,600	256,600	United Shoe Machinery	25	47¼	Sale	49½	Sale	49	Sale	47⅛ July 15	50⅞ July 2	47⅛ July 15	55⅜ Feb 21
1,060	11,490	6% preferred	25	33½	34	33¾	Sale	34	35	33½ July 3	34½ July 2	33¼ Jun 28	36 Mar 18
24,000	249,400	U S Borax & Chem com	1	24¾	Sale	28¼	Sale	29	Sale	28¼ July 1	30 July 30	24¾ Jan 2	32¼ May 23
170	1,770	4½% preferred	100	98¼	99	99¾	Sale	99¼	101	99¼ July 1	100 July 19	98¼ Jan 4	100 July 19
12,700	95,300	U S & Foreign Securities	1	26⅜	Sale	30⅜	Sale	31⅛	Sale	30 July 19	31⅜ July 9	26 Jan 3	32¼ Jun 7
49,000	352,100	U S Freight Co	*	39	Sale	43¼	Sale	41¼	Sale	40 July 19	44 July 3	36¼ Feb 11	46⅜ May 23
61,200	416,400	U S Gypsum common	4	73¾	Sale	82¼	Sale	85¾	Sale	81⅝ July 5	86¾ July 23	73 Jan 2	87 Jun 7
750	2,290	7% preferred	100	160½	162	166	Sale	165	Sale	165 July 1	166 July 1	161½ Jan 4	171 Apr 3
61,100	862,500	U S Industries Inc com	1	13½	Sale	10⅛	Sale	9⅝	Sale	9½ July 30	10⅜ July 3	9½ July 30	15¾ Jan 29
----	3,400	4½% pfd series A	50	45½	48	47¼	50	47	49	-- ------	-- ------	45½ Feb 19	50¼ May 9
16,400	140,300	U S Lines common	1	39¾	40	48½	Sale	44	Sale	40½ July 23	44 July 31	39⅝ Jan 4	49¾ Jun 7
900	5,000	4½% preferred	10	8½	8¾	9¼	9½	9¼	9¾	9¼ July 2	9½ July 8	8⅝ Jan 3	10 May 1
81,600	537,200	U S Pipe & Foundry Co	5	15⅛	Sale	18	Sale	18½	Sale	17¾ July 1	18½ July 11	15⅛ Jan 2	19½ Apr 22
10,200	88,400	U S Playing Card	5	25	Sale	26¼	Sale	25½	Sale	25⅛ July 29	26⅞ July 15	24¾ Jan 4	27⅝ Feb 4
24,300	320,700	U S Plywood Corp com	1	44⅜	Sale	56⅝	Sale	57½	Sale	56¼ July 1	58⅞ July 8	42¾ Jan 3	60⅛ Jun 6
50	960	3¾% pfd series A	100	82½	Sale	88½	Sale	87½	90	87 July 5	88½ July 1	81½ Jan 4	89½ Jun 14
104,200	655,100	U S Rubber Co common	5	40¾	Sale	44½	Sale	45⅛	Sale	44 July 22	46½ July 5	40¼ Jan 2	49½ May 20
3,540	36,520	8% non-cum 1st pfd	100	161¾	Sale	164½	164¾	165¼	Sale	163½ July 9	165¼ July 30	161¾ Jan 2	170 May 9
34,200	84,000	U S Shoe Corp	*	29¼	Sale	30	Sale	30¾	Sale	29¾ July 3	31¼ July 31	26⅞ May 28	32½ Jan 30
634,900	†4,678,100	U S Smelting Ref & Mng	50	48⅞	Sale	74¾	Sale	86	Sale	72¾ July 1	91¼ July 30	48⅛ Jan 2	91¼ July 30
34,800	398,000	7% preferred	50	58½	Sale	68¼	Sale	69½	Sale	66¾ July 9	70½ July 29	56 Jan 10	71½ Feb 20
441,500	5,956,500	U S Steel Corp com	16⅔	44⅛	Sale	48	Sale	46½	Sale	45¼ July 22	48¼ July 1	43½ Jan 2	54 Apr 16
11,300	93,800	7% preferred	100	150	Sale	153⅝	Sale	155	Sale	152¾ July 10	155 July 31	150 Jan 2	157⅜ Mar 28
14,300	156,500	U S Tobacco Co common	*	26⅞	Sale	27⅝	Sale	28⅛	Sale	27⅛ July 24	28¾ July 25	26⅜ Jan 2	31⅝ May 14
1,200	5,780	7% non-cum preferred	25	38½	39	40⅛	41	40⅜	40½	40 July 2	40⅜ July 25	38½ Jan 4	40⅜ Jun 27
13,800	190,900	U S Vitamin & Pharmactl	1	23⅝	Sale	24¾	Sale	24	Sale	24 July 30	26 July 3	23⅛ Feb 25	28½ May 1
25,700	209,100	United Utilities	5	--	--	38⅜	Sale	38¾	Sale	37½ July 18	39 July 8	35¾ Apr 18	41¾ May 7
15,900	107,500	United Whelan Corp	30c	6⅜	Sale	6	Sale	6	Sale	6 July 1	6¼ July 2	6 May 6	8½ Jan 25
32,300	363,900	Universal American Corp	25c	7¾	Sale	7½	Sale	7⅜	Sale	7¼ July 11	7⅞ July 15	7¼ Feb 4	9⅛ Feb 14
1,400	14,700	Conv preferred	5	39	39¾	40⅜	Sale	39⅞	40	39¾ July 29	40⅜ July 1	38½ Jan 28	40⅝ Jun 4
39,700	296,200	Universal Cyclops Steel	1	24¾	Sale	28⅜	Sale	27½	Sale	26⅛ July 25	28⅜ July 1	24¾ Jan 2	33⅞ Apr 15
16,200	112,200	Universal Leaf Tob com	*	37	Sale	35⅞	Sale	37⅛	Sale	35½ July 8	37⅜ July 30	34¾ Mar 1	39 Jan 8
170	2,400	8% preferred	100	160¼	162	164¾	166½	163	165	163½ July 29	166 July 17	160¼ Jan 3	166 July 17
158,100	1,612,500	Universal Match Corp	2.50	13⅞	Sale	18¼	Sale	16⅜	Sale	15¾ July 24	18⅜ July 1	13¼ Apr 4	20⅜ Jun 13
172,700	1,448,000	Universal Oil Products Co	1	39⅛	Sale	35⅜	Sale	33⅝	Sale	33⅝ July 31	38⅛ July 8	28⅜ Apr 3	42¾ Jan 8
79,400	610,000	Upjohn Co	1	32¾	Sale	41½	Sale	40¾	Sale	39⅝ July 25	42⅛ July 5	32¾ Jan 2	42½ May 14
11,300	163,000	Uris Buildings Corp	10c	--	--	22	Sale	20½	Sale	20 July 18	22¾ July 3	16¾ Mar 20	24⅜ Jun 18
30,400	255,100	Utah Power & Light	12.80	38¼	Sale	38¼	Sale	38¼	Sale	38 July 9	38¾ July 8	37⅜ Jan 10	41¾ Apr 4
3,400	70,200	Vanadium-Alloys Steel Co	5	28	28⅝	33¼	Sale	32⅝	Sale	32⅛ July 2	33½ July 25	28⅜ Jan 3	36⅞ Apr 16
23,700	214,400	Vanadium Corp of Amer	1	13⅓	Sale	13¾	Sale	13	Sale	12⅝ July 22	14 July 2	12½ Mar 20	15¼ Feb 14
3,500	56,900	Van Raalte Co	10	28	Sale	28¾	Sale	28½	Sale	28½ July 31	29½ July 5	26⅜ Mar 1	30⅜ Jun 4
166,000	947,600	Varian Associates	1	33½	Sale	22½	Sale	17⅞	Sale	17½ July 23	23½ July 3	17½ July 23	37⅛ Jan 14
85,500	662,600	Vendo Co	1.25	26½	Sale	25⅝	Sale	19¼	Sale	19⅛ July 31	25⅝ July 1	19⅛ July 31	32½ Jan 23
28,400	293,700	Victor Comptometer	1	9	Sale	9⅜	Sale	8¾	Sale	8½ July 22	9⅝ July 2	8½ July 22	11¾ Feb 12
63,100	338,000	Va-Car Chem Corp com	1	40	Sale	58	Sale	67¼	Sale	57½ July 1	67⅞ July 30	39½ Jan 22	67⅞ July 30
7,300	74,100	5% prior preferred	50	40½	Sale	46½	47¼	47¾	Sale	45 July 12	48½ July 29	40⅛ Jan 4	48½ July 29
14,200	67,600	5% conv preferred	50	53	Sale	64	Sale	73½	Sale	63½ July 1	74 July 30	53 Jan 2	74 July 30

For footnotes, see page 29.

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Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	New York Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
75,700	‡206,800	Virginia Elec & Pwr com	*	—	—	43⅛	Sale	41¾	Sale	41⅝ July 30	44½ July 10	‡41⅝ July 30	47 May 13
1,250	8,835	$5 preferred	100	110	Sale	111	Sale	109	Sale	109 July 31	111 July 1	108½ Feb 27	113 Jan 10
380	1,410	$4.04 preferred	100	90	91	93	Sale	93	95½	93 July 1	94 July 8	91 Jan 14	93½ Jun 26
620	2,840	$4.20 preferred	100	94	95	95½	96½	96½	98	94 July 15	97 July 22	94 July 15	99½ May 20
250	1,660	$4.12 preferred	100	92¼	93	95⅝	98	96	98	95⅝ July 8	97 July 17	93 Jan 3	97 July 17
730	4,840	$4.80 preferred	100	104¼	105	106	Sale	105	Sale	105 July 29	106 July 1	104½ Jan 7	106½ Apr 5
8,900	115,700	Von's Grocery Co	1	22	Sale	25⅛	Sale	26½	27	23¾ July 17	25¾ July 8	21 Jan 16	28⅜ May 14
57,100	571,600	Vornado Inc	10c	19	Sale	25½	Sale	22⅞	Sale	22⅝ July 24	25⅞ July 10	18½ Mar 22	29⅜ Jun 11
40,100	504,400	Vulcan Materials Co com	1	10¼	Sale	13¼	Sale	12¾	Sale	11¾ July 22	13¼ July 1	10¼ Jan 2	14¼ Apr 24
120	1,970	6¼% preferred	100	104¼	105	105	Sale	105	106½	104½ July 23	105 July 1	104 Jan 4	107½ Feb 7
930	5,420	Wabash RR 4½% pfd	100	85	Sale	81¼	82	81	Sale	79 July 18	81⅞ July 10	79 July 18	87 Jan 10
21,700	187,100	Wagner Electric Corp	15	20	Sale	23¼	Sale	22⅝	Sale	22⅛ July 17	23¾ July 10	19⅜ Jan 2	25⅜ May 13
7,900	62,000	Waldorf System	*	6⅞	7⅛	8½	8¾	9	Sale	7⅞ July 15	9⅛ July 26	6¾ Mar 6	9⅛ May 24
10,500	81,200	Walgreen Co	10	46½	Sale	42⅞	Sale	44	Sale	42½ July 2	45⅜ July 18	42⅛ Jun 10	49½ Feb 20
10,700	130,400	Walker (Hiram) G & W	*	54⅛	Sale	52½	Sale	51⅛	Sale	50¾ July 29	53⅞ July 5	50¾ July 29	56½ Jun 5
28,100	170,000	Wallace & Tiernan Inc	50c	26½	27	26	Sale	25	Sale	23⅞ July 25	26 July 1	23⅞ July 25	27¾ Jan 7
48,400	347,900	Walworth Co	2.50	7	Sale	7⅛	Sale	7⅛	Sale	6¾ July 10	7⅝ July 22	6¾ Jan 2	8¾ Feb 11
3,400	95,000	Ward Baking Co common	1	7¼	7½	7¾	Sale	7⅝	Sale	7⅝ July 2	8¼ July 10	6¼ May 3	9 May 24
840	11,850	5½% preferred	100	66	Sale	72	73	70¾	72	69⅛ July 9	74½ July 12	60 Apr 23	76⅛ Jun 17
28,500	389,300	Ward Industries Corp	1	4	Sale	2	Sale	—	—	2 July 1	2⅜ July 1	1⅝ Jun 28	6⅜ Mar 8
21,600	106,600	Warner Bros Co	*	—	—	22¼	Sale	23¼	Sale	22 July 8	24¼ July 11	17½ Feb 20	24¼ July 11
37,200	492,500	Warner Bros Pictures	1.25	14	Sale	15	Sale	13⅝	Sale	13½ July 15	15 July 1	12⅞ Mar 20	16¼ Jun 17
10,200	59,000	Warner Co	10	29½	Sale	28½	Sale	27½	Sale	27¼ July 26	31 July 10	25 Mar 11	31 July 10
209,400	1,200,760	Warner Lambert Pharmaceutical com	1	24⅛	Sale	25⅝	Sale	24⅜	Sale	23⅞ July 26	25⅝ July 1	23¼ Jan 2	29¼ Apr 8
2,300	49,200	$4 conv preferred	100	104¾	Sale	106	106½	105¾	Sale	105 July 26	107½ July 15	103 Feb 14	110 May 14
16,100	88,900	Warren (S D) Co	*	33	Sale	36¾	Sale	33½	Sale	33½ July 31	37¾ July 3	32 Jan 3	38½ May 3
5,800	89,400	Washington Gas Light	*	36⅛	Sale	38⅜	Sale	38	Sale	36¾ July 19	38⅜ July 1	33⅜ Mar 4	40⅞ May 28
16,800	139,900	Washington Water Power	*	47½	Sale	49⅜	Sale	50	Sale	47½ July 17	50 July 31	47¼ Jan 2	51 Feb 1
2,600	22,200	Waukesha Motor Co	5	31¾	Sale	37⅝	38⅜	38	38⅞	38 July 3	39⅞ July 15	31¾ Jan 2	40⅜ May 22
2,700	25,800	Wayne Knitting Mills	5	30½	Sale	33⅞	Sale	34⅜	Sale	33⅝ July 2	34⅜ July 31	30⅛ Feb 5	34⅜ July 31
13,700	149,900	Welbilt Corp	1	3	Sale	3	Sale	3⅛	Sale	2⅞ July 16	3⅛ July 5	2⅞ Apr 2	3½ May 8
14,900	112,700	Welch Scientific Co	1	—	—	16	Sale	14⅜	Sale	14 July 30	16¼ July 5	14 July 30	21⅞ Jan 23
3,600	58,400	West Kentucky Coal Co	4	9⅛	9½	12¼	Sale	12¼	Sale	11¼ July 19	12⅝ July 2	9 Mar 11	12⅞ Jun 19
31,500	252,400	Wesco Financial Corp	1	—	—	42¼	Sale	43½	Sale	41⅞ July 2	44⅞ July 10	39¼ Feb 28	53¾ Apr 15
1,140	8,380	West Penn Pwr 4½% pfd	100	102½	Sale	101	Sale	103	Sale	100 July 3	104½ July 29	100 Apr 11	106½ Feb 15
110	910	4.20% pfd series B	100	95	96	95	96½	95½	96¼	95 July 8	96½ July 15	94½ Jan 14	98 Mar 12
70	830	4.10% pfd series C	100	91	92½	93	94½	93	94	94 July 18	93 July 18	91½ Jan 14	94½ May 17
32,700	339,900	West Va Pulp & Paper	5	31	Sale	35½	Sale	33⅛	Sale	31½ July 25	36⅜ July 1	30½ Jan 2	38⅜ May 20
110	3,770	4½% prefrred	100	100	101	102¾	104	101	103	101½ July 18	103 July 10	100½ Jan 4	103 Mar 4
63,200	693,700	Western Air Lines Inc	1	31¾	Sale	51¼	Sale	52	Sale	46⅝ July 24	53⅞ July 31	28 Jan 8	54⅞ Jun 4
67,900	522,700	Western Bancorporation	2	33⅜	Sale	38¼	Sale	39⅝	Sale	38¼ July 1	40¼ July 9	31⅝ Jan 17	40¼ July 9
13,800	172,700	Western Maryland com	*	19	Sale	22¼	Sale	21¾	Sale	20¾ July 30	23¾ July 11	18⅞ Jan 2	24⅛ Jun 25
600	22,700	4% non-cum 2nd pfd	40	28	Sale	30½	Sale	29	30	29½ July 23	30½ July 1	28 Jan 2	32½ Jun 3
12,100	168,900	Western Pacific RR	*	29¼	Sale	35¼	Sale	35	Sale	34¼ July 29	37¼ July 10	29 Jan 2	39⅜ Jun 3
312,700	2,150,100	Western Union Teleg	2.50	26⅝	Sale	25⅞	Sale	27⅜	Sale	25¾ July 1	29 July 11	25⅜ Jun 25	33 Apr 9
44,400	416,000	Westinghouse Air Brake	10	25¼	Sale	31¼	Sale	30⅛	Sale	28¾ July 24	31¾ July 2	25 Jan 2	32 May 16
223,600	2,556,000	Westinghouse Elec com	6.25	32	Sale	35¼	Sale	34¾	Sale	33½ July 23	36⅝ July 9	31⅞ Jan 2	38⅞ Jun 5
1,200	19,900	3.80% preferred ser B	100	88	88¼	88½	Sale	88¾	89¾	87¾ July 5	89¼ July 24	86¾ Apr 19	90¼ Jan 30
—	70	Wheeling & Lake Erie	100	109½	114	115⅝	122	115⅝	119	—	—	110 Feb 15	115 May 10
22,600	242,900	Wheeling Steel common	10	27¼	Sale	30¼	Sale	28⅝	Sale	28⅛ July 22	30¼ July 1	27 Jan 2	35 Apr 15
1,830	13,920	$5 preferred	*	92	92½	98¾	Sale	97¾	98	97½ July 26	100 July 3	92 Jan 3	101½ May 27
122,000	717,000	Whirlpool Corp common	5	35¾	Sale	43¾	Sale	43¾	Sale	40 July 11	44 July 5	35½ Jan 7	51½ Jun 3
900	18,600	4¼% conv preferred	80	77	78	80½	Sale	81	83	79⅝ July 11	81½ July 5	77 Jan 4	85½ Jun 12
3,300	40,900	White Dental Mfg (S S)	20	34	Sale	41	41¾	40⅛	Sale	40 July 29	42 July 9	33⅞ Jan 4	45 Jun 3
27,800	580,500	White Motor Co common	1	41⅛	Sale	59½	Sale	—	—	57⅝ July 2	61 July 5	41⅛ Jan 2	66½ Jun 3
80,500	‡112,200	New common	1	—	—	30⅛	Sale	29⅛	Sale	27¼ July 22	30⅝ July 5	‡27¼ July 22	32½ Jun 7
680	3,350	5¼% preferred	100	101	102½	101⅝	Sale	103	Sale	101⅝ July 1	103 July 12	100 Jun 25	107 Jun 10
9,200	132,500	White Sewing Machine	1	6¾	Sale	8⅞	Sale	9⅝	Sale	8¾ July 2	9¾ July 29	6¾ Jan 2	10⅜ Feb 27
900	6,100	Prior preference	20	21½	Sale	27½	27¾	28	29	26¾ July 11	27¾ July 29	21½ Jan 2	27¾ July 29
200	6,600	$3 conv preferred	50	39	Sale	45	46½	44	45	44½ July 9	45 July 2	39 Jan 2	46 Jun 18
8,800	88,000	White Stores Inc	1	18¼	Sale	14¼	Sale	15	Sale	14¼ July 1	15½ July 5	14 Mar 29	19⅜ Jan 15
9,100	65,400	Wickes Corp	5	36	Sale	36⅛	Sale	35	Sale	44 July 24	36¼ July 5	34 July 24	39¾ Apr 15
31,900	334,100	Wilcox Oil Co	5	26½	Sale	32	Sale	32	Sale	30¼ July 15	33⅝ July 31	25⅜ Mar 6	35¼ Jun 5
24,600	221,300	Wilson & Co common	*	38¼	Sale	42¾	Sale	38¼	Sale	36¾ July 24	42¾ July 1	36¾ July 24	44 Jun 13
200	11,800	$4.25 preferred	*	87	Sale	91	92¼	91⅜	92¼	91½ July 11	91½ July 11	87 Jan 2	93⅛ Feb 12
4,500	78,900	Windsor Industries Inc	10c	6½	Sale	9⅛	Sale	9	9⅛	9 July 23	9¼ July 10	6½ Jan 2	9¾ Mar 28
48,000	401,700	Winn-Dixie Stores Inc	1	27½	Sale	29⅞	Sale	28⅞	Sale	27⅝ July 23	30⅞ July 5	26⅞ Mar 1	31⅞ Apr 22
56,900	‡126,900	Wisconsin Electric Power Common	10	—	—	30	Sale	29⅜	Sale	28¾ July 26	30⅜ July 15	‡28¾ July 26	32¼ May 17
170	1,200	6% preferred	100	129	130	133	Sale	132	133½	132 July 10	134½ July 17	130 Jan 7	136½ Apr 8
13,800	51,700	Wisconsin Pub Serv Corp	10	44¼	Sale	44½	Sale	45¼	Sale	43¼ July 23	45½ July 11	42⅝ Jan 30	47 May 13
49,400	262,300	Witco Chemical Co Inc	5	28	Sale	38	Sale	37¾	Sale	36½ July 29	41¼ July 10	28 Jan 2	41¼ July 10
10,000	94,300	Woodward Iron Co	10	24⅞	Sale	26¾	Sale	26⅞	Sale	26½ July 8	27 July 1	24½ Jan 3	27¼ Jun 7
61,800	646,600	Woolworth (F W) Co	10	64	Sale	69	Sale	68	Sale	67¾ July 29	71¼ July 11	62⅞ Feb 5	75¾ Apr 15
45,000	430,300	Worthington Corp com	10	26⅜	Sale	33⅞	Sale	32⅜	Sale	31¾ July 30	34¼ July 8	26¼ Jan 2	36 May 16
720	4,650	4½% prior preferred	100	84¾	86	91¼	Sale	91½	Sale	89¾ July 8	94 July 18	85 Jan 7	94 July 18
7,900	44,700	Wrigley (Wm) Jr	*	104½	Sale	97	Sale	100	Sale	97 July 1	102¾ July 15	96¼ Jun 28	107 Jan 25
8,000	117,000	Wyandotte Worsted Co	5	9⅞	10⅛	10¾	Sale	10⅜	Sale	10⅛ July 2	11 July 2	9¾ Jun 19	12 Mar 29
334,900	1,641,800	Xerox Corp	1.25	157¾	Sale	195¼	Sale	243½	Sale	195¼ July 1	257½ July 30	146¼ Jan 24	257½ July 30
44,600	416,400	Yale & Towne Mfg Co	10	23	Sale	30¾	Sale	29	Sale	28 July 22	30¾ July 1	23 Jan 2	31¼ May 20
4,400	30,000	Young (L A) Spg & Wire	5	25¼	Sale	30½	31	31½	Sale	30⅝ July 18	32 July 8	25¼ Jan 2	34½ May 21
61,500	554,500	Youngstown Sheet & Tube	*	85¼	Sale	102¼	Sale	102¾	Sale	98⅝ July 18	104⅜ July 31	84¾ Jan 2	106⅛ May 31
36,100	243,400	Youngstown Steel Door	*	18⅝	Sale	26½	Sale	27½	Sale	24¾ July 15	27⅞ July 31	18⅝ Jan 2	27⅞ July 31
199,500	1,784,600	Zenith Radio Corp	1	55⅛	Sale	62¼	Sale	61	Sale	58½ July 22	64⅜ July 8	51 Mar 6	68 Jun 12

*No par value. †Corrected volume. ¶Companies in receivership. §Transferred from ASE to NYSE in 1963. High and low is combination of both Exchanges. Volume shown is Big Board trading only. a Deferred delivery sale. r Cash sale. wd When distributed. wi When issued. x Ex-dividend. y Ex-rights.

‡The volume of trading and range of sale prices published here, is simply the trading and range for the new shares since this issue was either split, or since new stock was issued in connection with a stock dividend. The range and volume for the old shares can be found in the back issues of the BANK AND QUOTATION RECORD, in the month when the issue was removed from trading.

1963 STOCK DIVIDENDS AND/OR SPLITS-UPS

Name of Issue	Basis of Split or Stock Dividend	Date When Admitted to Trading
Amerada Petroleum Corp.	Two-for-one	May 7 wi
American Enka Corp.	Two-for-one	Mar 19 wi
American Sugar Co. Formerly Amer Sugar Refining	Two-for-one	Apr 22 wi
Beatrice Foods Co.	Four-for-three	Feb 25 wi
Buckeye Pipe Line Co.	Two-for-one	May 2 wi
Chrysler Corporation	Two-for-one	Apr 17 wi
Cincinnati Gas & Electric	Two-for-one	Apr 25 wi
Cleveland Electric Illuminating	Two-for-one	May 20 wi
Colgate-Palmolive Co.	Five-for-four	Jun 19 wi
Delta Air Lines, Inc.	50% in stock	Feb 5 wi
Financial Federation	Five-for-four	Mar 12 wi
Gardner-Denver Co.	Three-for-two	Jan 18 wi
General Steel Industries	100% in stock	Feb 5 wi
Hart Schaffner & Marx	25% in stock	Jan 29 wi
Hayes Industries, Inc.	50% in stock	Mar 12 wi
Hoover Ball & Bearing Co.	Two-for-one	July 10 wi
Houston Lighting & Power	Three-for-one	Apr 26 wi
Inspiration Consolidated Copper	Two-for-one	Apr 23 wi
International Mining Corp.	Three-for-one	Jan 25 wi
International Utilities	Two-for-one	May 10 wi
Iowa Electric Light & Power	Two-for-one	May 15 wi
Kansas City Power & Light	Two-for-one	Dec 31 1962 wi
Lockheed Aircraft Corp.	33⅓% in stock	Jun 18 wi
Long Island Lighting Co.	Two-for-one	Apr 17 wi
Magna Copper Co.	Three-for-one	May 14 wi
Nevada Power Co.	Three-for-two	Apr 5 wi
Oklahoma Gas & Electric	Two-for-one	Mar 7 wi
Orange & Rockland Utilities	Two-for-one	May 28 wi
Pendleton Tool Industries	Three-for-two	Apr 24 wi
Potomac Electric Power Co.	Two-for-one	Apr 17 wi
Raybestos-Manhattan, Inc.	Two-for-one	Apr 3 wi
Red Owl Stores, Inc.	Two-for-one	Jan 22 wi
Seagrave Corporation	Two-for-one	May 29 wi
Sealright-Oswego Falls	50% in stock	Jan 28 wi
Singer Company	Two-for-one	Feb 18 wi
Sterling Drug, Inc.	Three-for-one	May 14 wi
Sunshine Biscuits, Inc.	Two-for-one	Apr 16 wi
Union Electric Co.	Two-for-one	Apr 22 wi
Virginia Electric & Power	Three-for-two	Apr 18 wi
White Motor Co.	Two-for-one	Jun 7 wi
Wisconsin Electric Power Co.	Two-for-one	Apr 22 wi

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American Stock Exchange

Monthly and Yearly Record

RANGE OF STOCK AND BOND PRICES FOR JULY

Stock Sales—	1963	1962	Bond Sales—	1963	1962
July (Shares)	23,672,660	20,073,540	July	$5,799,000	$4,430,000
Jan. 1 to July 31 (Shares)	169,069,033	190,767,209	Jan. 1 to July 31	46,303,000	44,334,000

NOTICE—Cash and deferred delivery sales are disregarded in the month's range unless they are the only transactions of the month, and when selling outside of the regular monthly range are shown in a footnote in the month in which they occur. No account is taken of such sales in computing the range for the year.

Aggregate Sales in July Shares	Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY — July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
6,400	42,100	Aberdeen Petroleum cl A	1	2¼	2⅜	2⅛	Sale	2⅛	2¼	2⅛ July 1	2¼ July 16	2⅛ May 28	2¾ Mar 8
10,800	198,500	Acme Hamilton Mfg Corp	10c	⅛	Sale	1	Sale	1	Sale	1 July 1	1⅛ July 8	⅛ Jan 2	1⅝ Jan 10
3,400	50,700	Acme Missiles & Construction Corp cl A	25c	4	Sale	3	Sale	2⅜	2½	2½ July 12	3 July 1	2⅛ May 29	4½ Jan 4
7,900	89,000	Acme Precision Products	1	3	Sale	2⅞	Sale	3	3⅛	2¾ July 1	3⅛ July 15	2¾ Jun 19	4¾ Mar 7
1,400	18,700	Acme Wire Co	10	9⅞	10½	9	Sale	9	9⅛	9 July 1	9 July 1	9 May 21	11⅞ Jan 14
13,400	162,300	Admiral Plastics Corp	10c	7¼	Sale	5⅛	Sale	5⅝	Sale	5⅛ July 1	6⅛ July 23	4⅞ Mar 18	7½ Jan 4
5,400	52,100	Aero Flow Dynamics Inc	1	2⅝	2⅞	2½	Sale	2⅞	Sale	2½ July 1	2⅞ July 31	2⅜ Apr 9	3¼ Jan 17
52,000	269,200	Aerojet-General Corp	1	46¼	Sale	56⅞	Sale	53	Sale	53 July 31	60¾ July 11	45½ Jan 16	65⅜ Apr 15
8,700	71,100	Aeronca Mfg Corp	1	3⅜	Sale	3⅛	Sale	3⅛	Sale	2¾ July 19	3¼ July 3	2¾ July 19	4⅛ Jan 4
145,400	270,400	Aerosol Techniques Inc	10c	10¾	Sale	16¾	Sale	21	Sale	16⅝ July 1	24⅝ July 25	10¼ Jan 8	24⅝ July 25
5,400	63,800	Aid Invest & Discount Inc	1	4¼	4⅜	3¾	4	3¾	Sale	3⅝ July 8	3⅞ July 10	3⅝ July 8	4½ Feb 18
11,100	49,400	Aileen Inc	1	--	--	20⅛	Sale	21	Sale	20 July 1	22¾ July 12	19⅜ Apr 23	23⅞ Apr 30
800	14,600	Airport Parking Corp of America Class A	*	17½	Sale	15¾	Sale	15⅛	Sale	15⅛ July 19	15¾ July 1	13⅜ May 28	17½ Jan 2
225	2,925	Ala Power Co 4.20% pfd	100	88½	90½	92	Sale	91	92	91¼ July 23	92¾ July 8	89⅞ Jan 8	93½ Feb 26
7,800	107,000	Alan Wood Steel Co	10	12¾	Sale	19¼	Sale	18¼	Sale	17½ July 23	20⅜ July 11	12¼ Jan 3	21¾ Jun 19
350	3,666	5% preferred	100	62½	64½	75	76	75	76	76 July 30	79 July 9	62¼ Mar 15	80 May 3
8,000	19,800	Alarm Device Mfg Co Inc	10c	--	--	7⅜	Sale	7⅜	Sale	7 July 18	7¾ July 3	7 Jun 20	8¼ Jun 11
5,800	14,300	Alaska Airlines Inc	1	3½	Sale	3⅞	4	3¾	Sale	3¾ July 29	4⅛ July 8	3¼ Jan 8	5½ Feb 14
3,970	4,850	Algemene Kunstzijde Unie— Amer dep rcts Amer shs		56	Sale	65	Sale	67	Sale	65 July 1	67¼ July 15	56 Jan 2	68½ Jun 7
11,300	52,500	All Amer Engineer'g Co	10c	4½	Sale	4¾	Sale	4½	4⅞	4½ July 8	5⅛ July 15	4½ Jan 2	5¾ Jan 14
27,300	340,100	All-State Properties Inc	1	2½	Sale	2⅜	Sale	2⅜	Sale	2⅛ July 11	2½ July 1	2 Mar 11	3 Jan 14
27,800	399,600	Alleghany Corp warrants		7⅝	Sale	7¼	Sale	7¼	Sale	6¾ July 25	7¾ July 5	6¾ July 25	9⅝ Jan 11
19,100	245,500	Allegheny Airlines Inc	1	5½	Sale	5½	Sale	5⅝	Sale	5¼ July 9	5¾ July 22	5¼ July 9	6⅝ May 9
3,200	10,800	Alliance Tire & Rub A	£1¼	7⅜	7¾	8¾	9	10	Sale	8⅞ July 5	10 July 31	7⅝ Jan 11	10 July 31
40,200	269,500	Allied Artists Pictures	1	3⅛	Sale	3⅝	Sale	2⅞	Sale	2¾ July 30	3¾ July 1	2⅛ May 22	4 Jun 12
900	6,700	5½% conv preferred	10	9½	11	9¾	9⅞	8½	9⅜	9¼ July 17	9¾ July 3	8 May 24	9¾ Jun 12
1,700	35,400	Allied Control Co Inc	50c	7⅝	7⅞	8	Sale	7¾	Sale	7⅝ July 29	8¼ July 8	7½ Jan 23	9½ Feb 27
15,700	228,900	Allied Paper Corp	8	12⅜	Sale	8¾	Sale	8⅜	Sale	8⅜ July 23	8⅞ July 1	8⅜ July 23	14⅜ Feb 4
6,500	53,900	Alloys Unlimited Inc	10c	7⅝	Sale	6⅜	Sale	5¼	Sale	5¼ July 31	6⅝ July 5	5¼ July 31	10 Jan 24
5,800	27,000	Almar Rainwear Corp	1	5¾	6¼	5	Sale	5½	Sale	4⅞ July 9	5⅝ July 29	4⅞ July 9	6⅛ Jan 31
31,400	‡33,100	Alsco Inc new class A	1	--	--	5½	Sale	4½	Sale	3¾ July 10	5½ July 1	‡3¾ July 10	5½ Jun 28
4,750	22,900	Aluminum Co of America— $3.75 preferred	100	84½	85	86½	Sale	86	86⅜	85½ July 5	86½ July 1	84⅛ Apr 22	89 Feb 28
52,100	316,300	Ambassador Oil Corp	1	5⅝	5¾	6¼	Sale	5⅜	Sale	5¼ July 25	6⅜ July 1	5¼ Jan 8	6⅝ Feb 18
12,100	215,900	Amco Industries	1	--	--	4½	Sale	4½	Sale	4⅜ July 25	5⅜ July 9	3¾ Jan 16	6¼ Jan 30
1,900	16,900	American Beverage Corp	1	4⅝	Sale	4½	Sale	4⅜	4⅝	4¼ July 26	5 July 2	4¼ Mar 28	6⅛ Jan 8
1,200	10,000	American Book Co	20	46½	Sale	43¾	Sale	43¼	43½	43½ July 23	44½ July 2	43½ July 23	52 Jan 15
4,800	53,500	American Book-Stratford Press Inc	1	5	Sale	5	Sale	4⅝	4¾	4⅝ July 26	5⅛ July 3	4 Mar 18	6 May 24
3,100	49,400	Amer Business Systems	*	5½	5¾	7⅞	Sale	6¾	Sale	6¾ July 24	7⅞ July 1	5¾ Jan 4	9⅛ Jan 17
26,000	195,000	American Electronics Inc	1	3½	Sale	4⅛	Sale	3⅞	Sale	3⅞ July 31	4¾ July 12	3 Mar 18	5⅛ May 27
34,800	259,100	Amer Inter Aluminum	25c	1¼	Sale	3½	Sale	3⅛	Sale	3⅛ July 3	3⅞ July 17	1¼ Jan 2	4⅛ Jun 3
1,700	28,200	American Israeli Paper Mills Ltd American shares	£1	2¼	2½	2⅝	2⅞	2⅝	Sale	2½ July 16	2⅝ July 5	2½ Jan 22	3¼ Mar 29
20,600	186,200	American M A R C Inc	50c	2⅝	Sale	2½	Sale	2⅜	Sale	2⅜ July 8	2⅝ July 19	2⅜ July 8	3½ Jan 14
2,300	25,700	American Mfg Co	12.50	36	37	46½	Sale	46½	47	46½ July 1	47¼ July 12	37 Jan 4	47¾ May 16
37,900	845,200	Amer Petrofina Inc cl A	1	4⅜	Sale	7⅝	Sale	7⅜	Sale	7¼ July 1	8 July 11	4¼ Jan 2	8⅜ Jun 4
6,100	133,700	Amer Realty & Petroleum	10c	5	Sale	4	Sale	3¾	4	3⅞ July 17	4⅜ July 10	3¾ May 13	5⅝ Feb 4
14,000	162,800	American Seal-Kap Corp	2	12⅝	Sale	12	Sale	11⅞	Sale	11½ July 22	12¾ July 12	11½ July 22	14½ Mar 7
8,100	44,700	American Thread 5% pfd	5	4¼	4½	4¾	Sale	4⅝	Sale	4⅝ July 17	4⅞ July 11	4¼ Jan 3	4⅞ Jun 13
2,100	14,800	Anchor Post Products Inc	2	11¼	11¾	12¾	13¼	12¾	13⅛	12 July 18	13⅛ July 8	11¾ Jan 10	13⅜ May 27
2,100	38,800	Andrea Radio Corp	1	12⅝	Sale	12¼	12⅝	12¾	Sale	11⅝ July 9	12⅞ July 16	11 May 29	16¾ Jan 17
57,600	437,800	Anglo-Lautaro Nitrate Corp "A" shares	2.40	3⅜	Sale	4¼	Sale	4⅜	Sale	4⅛ July 2	4½ July 8	3 Jan 3	4½ July 8
1,200	20,300	Angostura-Wupperman	1	12	Sale	11⅝	Sale	10⅛	10⅝	10¼ July 19	11⅝ July 1	10 Mar 8	12 Jan 2
400	5,300	Ansul Chemical Co	1	24¾	25½	22	Sale	20¾	21	21 July 19	22 July 1	20½ Apr 4	26 Jan 10
2,100	45,500	Anthony Pools Inc	1	2¾	3	3¾	4	3¾	3⅞	3¾ July 29	4 July 16	2¾ Jan 4	4¾ May 2
32,400	139,800	Apollo Industries Inc	5	7¾	Sale	10⅞	Sale	12½	Sale	10⅝ July 1	14⅜ July 16	7⅜ Mar 11	14⅜ July 16
14,500	22,970	Appalachian Power— 4½% preferred	100	97	Sale	98½	Sale	99¼	Sale	98 July 3	99¾ July 1	96¾ Jan 3	101 Jan 30
23,900	280,900	Argus Inc	50c	11⅞	Sale	7	Sale	5¾	Sale	5⅝ July 30	7⅛ July 12	5½ Apr 24	13⅛ Jan 4
87,000	704,200	Arkansas Louisiana Gas	2.50	28⅝	Sale	32¼	Sale	32¾	Sale	32¼ July 1	33⅜ July 12	28⅜ Jan 2	34⅜ Mar 13
2,200	3,175	Arkansas Power & Light— 4.72% preferred	100	99	102½	102¼	104	102½	Sale	101¼ July 16	102½ July 31	100½ Jan 10	103 Feb 12
7,300	56,100	Armour & Co warrants		25	26½	25	Sale	23	Sale	22⅜ July 24	25⅝ July 3	22⅜ July 24	30 Jan 25
26,000	21,500	Arrow Electronics Inc	1	2	2⅜	1¾	1⅞	1¾	2⅛	1¾ July 29	2 July 8	1⅝ Jun 14	2⅜ Jan 3
46,300	629,100	Asamera Oil Corp Ltd	40c	⅞	Sale	⅛	Sale	¾	Sale	¾ July 19	1 July 12	⅝ Mar 29	1¼ Feb 11
18,600	91,200	Associated Baby Services	*	3¼	3½	5⅜	Sale	5¾	Sale	5¼ July 26	6⅜ July 15	3⅜ Jan 3	6⅜ July 15
100	2,500	Associated Elec Industries— Amer dep rcts reg	£1	5	Sale	5¾	6 1/16	5¾	6½	5¾ July 19	5¾ July 19	4½ Jan 21	6 May 15
4,500	36,800	Associated Food Stores	1	2⅞	3	3	Sale	2⅞	3	2⅞ July 1	3 July 1	2¾ Jan 21	3¼ Feb 13
11,300	56,500	Assoc Laundries of Amer	1	1¾	Sale	1⅝	1¾	1¾	2	1⅝ July 3	2 July 25	1⅝ Mar 4	2⅛ Mar 28
352,700	1,479,100	Associated Oil & Gas Co	1c	4⅝	Sale	5	Sale	5⅛	Sale	4¾ July 3	5¾ July 12	4¼ Jan 3	6 Mar 11
12,400	27,800	Associated Products Inc	1	--	--	13⅜	Sale	14	Sale	12½ July 9	14 July 30	12½ July 9	14 May 27
8,500	141,700	Assoc Testing Labator's	10c	7⅜	Sale	7¼	Sale	7¼	Sale	7⅛ July 2	8 July 16	5⅛ Mar 14	9¼ Jun 4
9,900	110,000	Astrex Inc	33⅓c	7	Sale	6½	6¾	6⅝	Sale	6¼ July 25	6⅞ July 17	6¼ July 25	8 Mar 18
18,700	128,300	Atco Chem-Indus Prod	10c	2¾	Sale	2⅜	Sale	2⅜	Sale	2⅜ July 1	2⅞ July 11	2⅛ Apr 29	3½ May 22
4,200	28,700	Atico Financial Corp	1	9	Sale	7½	Sale	7½	Sale	7⅛ July 18	8 July 15	7⅛ July 18	9 Jan 2
2,600	34,200	Atlantic Coast Line Co	*	56⅛	Sale	67¾	68½	65½	Sale	64½ July 22	69¼ July 3	55¾ Jan 2	71¾ Jun 5
21,800	318,700	Atlantic Research Corp	1	13⅛	Sale	11⅝	Sale	10¾	Sale	9¾ July 23	11⅞ July 29	8¾ May 14	14⅝ Feb 18
75,600	327,000	Atlas Consol Mining & Development Corp	10 pesos	6⅞	Sale	10¼	Sale	11¾	Sale	10¼ July 1	12¼ July 11	6⅞ Jan 2	12¼ July 11
59,600	714,800	Atlas Corp warrants		⅞	⅛	1¼	Sale	1⅛	Sale	1⅛ July 2	1⅜ July 9	⅞ Feb 11	1⅜ Jun 11
21,300	243,300	Atlas General Industries	1	13⅜	Sale	14½	Sale	15⅛	Sale	13⅞ July 10	15¾ July 25	13 Jan 2	17½ Feb 21
22,100	164,000	Atlas Sewing Centers Inc	1	1/16	½	⅜	7/16	⅜	1/16	5/16 July 17	⅛ July 26	¼ Feb 27	¾ Jan 18
24,600	222,900	Audio Devices Inc	10c	11⅝	Sale	14⅛	Sale	14¾	Sale	13⅛ July 2	15¾ July 12	10¼ Apr 19	16¼ Jun 19
14,200	201,600	Aurora Plastics Corp	1	13½	13⅞	19¾	Sale	20⅜	Sale	19⅜ July 9	21⅞ July 11	13⅜ Jan 3	23¾ May 22
11,600	70,000	Automatic Radio Mfg Co	1	4⅞	Sale	3¾	Sale	3¾	4	3⅝ July 1	5 July 10	3½ Jun 26	5¾ Jan 9
10,900	27,900	Automatic Steel Products	1	4¾	Sale	7⅛	Sale	5	Sale	4¼ July 23	5⅛ July 8	4¼ July 23	6 Jun 7
2,100	20,700	Non-vot non-cum pfd	1	5⅝	6	5	5⅛	--	--	6⅞ July 5	7⅛ July 1	5⅞ Jan 10	8½ Jun 7
39,200	163,400	Avien Inc	10c	4	Sale	2¾	Sale	3¼	Sale	2⅝ July 1	3⅝ July 18	2½ Mar 25	4⅝ Jan 8
7,300	57,200	Avis Industrial Corp	5	12	12⅜	20	20½	20¼	Sale	17⅞ July 26	20⅞ July 31	11½ Jan 8	22¾ May 15
600	9,700	Avondale Corp	10	--	--	14½	15	14½	15	14¼ July 26	14¾ July 8	11½ Jan 10	15 Mar 14
1,500	13,300	Ayshire Collieries Corp	3	43	Sale	43¾	45½	43⅜	44½	43 July 11	43¾ July 8	40½ Mar 8	48½ Jun 5
2,700	318,800	Bailey & Selburn Oil & Gas Class A	1	8 1/16	Sale	8⅝	Sale	8⅝	9¼	8⅝ July 1	9⅛ July 5	8 1/16 Mar 1	11¼ May 14
1,500	57,600	Baker Industries	1	8	8¼	9¾	10	9¾	Sale	9⅝ July 31	10¼ July 10	8 Jan 7	11⅞ Mar 22
21,100	115,600	Baldwin-Montrose Chemical Common	50c	5	Sale	7¼	Sale	7⅜	Sale	7⅛ July 1	8⅜ July 11	5 Jan 2	8⅜ Mar 1
11,700	88,700	Conv preferred	*	10½	Sale	13¼	Sale	14	Sale	13⅛ July 1	14¼ July 16	10⅜ Jan 7	14¼ July 16
11,000	90,800	Baldwin Securities	1c	3⅝	Sale	4⅛	Sale	4⅛	Sale	4 July 19	4¼ July 5	3⅝ Jan 2	4⅜ Jun 4
23,000	260,600	Banff Oil Ltd	50c	⅛	Sale	1 3/16	Sale	1 3/16	Sale	1 1/16 July 22	1¼ July 5	⅛ Jan 3	1⅜ May 9

For footnotes, see page 96.

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Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
9,800	107,500	Banner Industries Inc	10c	4	Sale	3	3¼	2⅝	Sale	2⅝ July 16	3 July 2	2⅜ Apr 15	4⅛ Jan 2
9,100	94,200	Bargain Town USA Inc	10c	6¾	7	7½	Sale	7⅝	Sale	7¼ July 9	8 July 10	6½ Jan 3	9½ Apr 22
46,100	165,000	Barnes Engineering Co	1	19⅛	Sale	18¼	Sale	17	Sale	14½ July 29	18⅞ July 11	14½ July 29	23⅛ Jan 24
6,300	60,500	Barry Wright Corp	1	11	Sale	10	Sale	10	Sale	9¾ July 31	10¼ July 1	9⅛ Apr 5	12¼ Jan 11
5,900	58,700	Barton's Candy Corp	1	10⅛	Sale	10⅛	Sale	9	9⅜	8¾ July 23	10⅛ July 1	8¾ Mar 14	10⅞ Jan 7
24,500	158,400	Baruch-Foster Corp	50c	⅛	Sale	1	Sale	1⅛	Sale	1 July 1	1⅜ July 10	⅞ Jan 3	1 1/16 Apr 26
79,500	413,600	Bayview Oil Corp	25c	1⅛	Sale	1¼	Sale	1⅛	Sale	1 July 3	1⅜ July 16	⅞ Feb 1	1½ Mar 15
57,300	109,400	Bearings Inc	*	14½	Sale	18½	19	20⅝	Sale	18⅝ July 8	21⅞ July 25	14½ Jan 2	21⅞ July 25
2,800	31,500	Beck (A S) Shoe Corp com	1	8⅛	Sale	6¼	6⅝	6⅝	Sale	6⅜ July 5	7⅛ July 15	6⅜ Jun 28	8⅞ Jan 14
3,200	37,100	Bell Electronic Corp	*	2⅞	3¼	2⅛	2¼	2⅛	Sale	2 July 9	2⅛ July 5	2 May 20	3½ Jan 10
5,500	43,900	Bell Telephone of Canada	25	49⅝	Sale	50¾	Sale	50⅛	Sale	47½ July 19	51⅝ July 11	47½ July 19	53½ May 9
31,500	353,600	Belock Instrument Corp	50c	4	Sale	5½	Sale	5¼	Sale	5⅛ July 10	5¾ July 17	4 Jan 2	6¼ May 9
6,000	112,700	Benrus Watch Co Inc	1	8¼	Sale	8⅞	9⅛	8½	8¾	8½ July 26	9½ July 11	7½ May 24	10⅝ May 31
29,000	154,600	Berkey Photo Inc	1	6⅝	Sale	7⅛	Sale	7¾	Sale	7⅛ July 1	8⅞ July 10	6⅝ Jan 2	9¼ Jan 18
6,500	34,100	Berkshire Frocks Inc	1	8	Sale	7⅞	Sale	8⅜	Sale	7½ July 22	8⅝ July 29	7 Mar 7	9¼ Jan 28
2,700	32,300	Bethlehem Corp (The)	*	2½	2⅞	2½	2⅝	2¼	2½	2¼ July 16	2⅝ July 2	2⅛ Feb 11	2⅞ Apr 16
9,050	16,950	Bickford's Inc	1	26	Sale	22½	22⅞	20⅛	21	19 July 23	22½ July 2	19 July 23	28½ Jan 16
8,200	39,100	Binney & Smith Inc	2.50	--	--	17	17½	18	Sale	16⅞ July 22	18⅛ July 31	16⅞ July 22	20⅝ May 13
8,600	84,200	Birdsboro Corporation	4	4	Sale	3⅝	3⅞	3⅝	Sale	3½ July 16	3⅞ July 23	3½ Jan 21	4⅝ Mar 18
40,100	160,800	Blauner's	3	1¼	1⅜	1¼	Sale	2	Sale	1⅛ July 9	2¼ July 29	⅞ Feb 27	2¼ July 29
21,200	227,400	Bloomfield Bldg Ind cl A	10c	7½	Sale	7⅞	Sale	7½	Sale	7⅜ July 31	8⅛ July 1	7⅜ Jan 2	8½ Jan 28
3,500	21,400	Bloomfield Industries Inc	1	--	--	8¼	Sale	8⅛	Sale	7¼ July 5	8¾ July 12	7¼ July 5	10 Mar 25
5,300	44,700	Blossman Hydratane Gas	1	7	7¼	7¼	7⅜	7¼	7½	7¼ July 2	7⅜ July 2	6⅝ Jan 20	8 Jan 29
6,300	63,500	Bohack (H C) Co common	*	20⅛	Sale	19⅜	Sale	18	Sale	17¾ July 31	19⅜ July 1	17¾ July 31	24½ Jan 22
585	5,305	5½% prior preferred	100	81½	Sale	84¼	Sale	85	86½	83½ July 23	86½ July 23	81½ Jan 2	90 Jan 25
53,400	188,000	Borne Chemical Co Inc	1.50	6⅜	Sale	5¾	Sale	5⅞	Sale	5 July 22	7⅛ July 26	5 July 22	7¼ Jan 3
1,900	12,300	Bourjois Inc	1	12¾	13¼	14	14½	13¼	13½	13½ July 11	14 July 2	13 Jan 3	16 Jan 30
8,800	137,200	Bowling Corp of Amer	10c	1⅜	Sale	1⅜	Sale	1⅜	Sale	1⅜ July 1	1½ July 3	1¼ Jan 2	2 Jan 24
5,100	27,200	Brad Foote Gear Works	20c	2	Sale	1⅞	2⅛	2	Sale	1⅞ July 25	2⅛ July 10	1¾ May 31	2¼ Mar 1
6,200	73,500	Brandywine Raceway	1	16¾	Sale	17½	Sale	18¾	Sale	16¾ July 23	19 July 31	16⅛ Jun 17	23 Apr 26
59,300	1,151,500	Brazilian Tr Lt & Pwr ord	*	2½	Sale	2⅞	Sale	2⅞	Sale	2¾ July 22	3⅛ July 10	2½ Jan 2	4¼ Mar 15
8,800	129,100	Breeze Corp	1	8¾	Sale	8½	Sale	7⅜	7⅝	7⅜ July 26	8⅝ July 2	7⅜ July 26	10⅜ Jan 23
3,050	143,550	Brillo Mfg Co	1	20¾	Sale	27⅞	Sale	28⅞	Sale	27¼ July 25	28⅞ July 31	20¾ Jan 2	29½ Jun 18
7,400	113,700	British American Oil Co	*	27¾	Sale	25⅝	Sale	25⅛	Sale	24⅞ July 22	26⅛ July 11	24⅞ July 22	28¼ Jan 16
		British Amer Tob Ltd—											
700	11,000	Am dep rcts ord bear	10s	8 1/16	9	7⅜	7 1/16	8¼	Sale	7¾ July 18	9¼ July 31	7¼ Jun 14	9⅞ Apr 5
1,000	17,500	Am dep rcts ord reg	10s	8 1/16	9	7¼	7½	8¼	Sale	8 July 22	8¾ July 26	7 3/16 Jun 14	10 Mar 7
39,600	319,000	British Columbia Power	*	18½	Sale	19¼	Sale	20⅛	Sale	19 July 19	20¾ July 29	18¼ Feb 26	21½ Jan 24
		British Petroleum Co Ltd—											
242,400	1,314,200	American dep rcts reg	£1	6 1/16	Sale	7⅜	Sale	8⅛	Sale	7½ July 2	8 5/16 July 30	6⅜ Jan 2	8 5/16 July 30
7,800	64,400	Brooks Instrument Co	25c	3	Sale	3½	3¾	3½	Sale	3½ July 2	4⅜ July 11	2½ Apr 23	5 Jun 17
71,100	545,200	Brown Company	1	10⅛	Sale	13⅛	Sale	12½	Sale	12⅜ July 31	13¾ July 3	10⅛ Jan 2	13¾ July 3
		Brown Forman Distillers—											
700	10,300	Class A common	30c	22½	23¼	26⅝	27⅛	27¼	27¾	26⅛ July 8	27⅜ July 23	22⅝ Jan 3	28¾ May 17
10,500	93,900	Class B common	30c	22½	Sale	24⅛	Sale	24⅛	Sale	23¾ July 8	24¾ July 29	22½ Jan 3	28⅜ May 17
4,200	45,100	4% preferred	10	7¾	Sale	7⅞	8	8	Sale	7⅞ July 26	8¼ July 10	7⅝ Jan 7	8¼ Jun 14
34,500	308,400	Bruce (E L) Co Inc	1	9⅞	Sale	11⅞	Sale	11⅝	Sale	11 July 2	12¾ July 16	8½ May 7	12⅞ Jun 21
22,000	224,600	BSF Company	66⅔c	4⅛	4½	7	Sale	6⅞	Sale	6⅝ July 31	7⅜ July 1	4⅜ Jan 3	8⅛ Jan 21
11,300	123,800	Budget Finance Plan com	50c	13⅝	Sale	14⅞	Sale	14⅞	Sale	14½ July 17	15⅝ July 10	13¼ Jan 18	16¼ Jun 4
2,000	23,900	6% serial preferred	10	10¼	Sale	10¼	10½	10¼	10½	10¼ July 8	10⅜ July 9	10⅛ Jan 21	10⅞ Feb 4
1,600	23,200	Buell Industries Inc	1	5⅛	Sale	4⅛	4½	3¾	4⅛	3⅞ July 12	4⅛ July 8	3⅞ July 12	6¼ Jan 14
102,500	385,600	Bunker Hill (The) Co	2.50	8¾	Sale	17⅝	Sale	18⅛	Sale	17½ July 1	19⅞ July 26	8½ Jan 3	19⅞ July 26
3,600	12,700	Burgmaster Corp	1	—	—	13¾	14⅛	12	Sale	11½ July 24	13¾ July 3	11½ July 24	14 Jun 10
		Burma Mines Ltd—											
37,300	98,900	Amer dep rcts ord	3s 6d	⅛	Sale	⅛	Sale	⅛	Sale	⅛ July 1	3/16 July 3	⅛ Jan 2	3/16 Jan 2
4,900	44,900	Burnell & Company Inc	25c	4	4¼	4⅞	Sale	4⅛	4⅜	4⅛ July 30	5⅛ July 16	3⅛ May 9	5½ Jun 24
8,000	‡18,800	Burroughs (J P) & Son	1	--	--	5⅝	5⅞	6⅛	Sale	5⅝ July 2	6½ July 11	‡5⅝ May 21	6⅞ Apr 9
4,400	68,400	Butler's Shoe Corp	1	8⅜	Sale	6⅝	6¾	6⅝	Sale	6½ July 31	6⅞ July 22	6½ July 31	9⅞ Jan 17
61,000	427,100	B V D Co Inc	1	16¾	Sale	18	Sale	18⅛	Sale	17⅝ July 2	18½ July 25	16⅛ Apr 10	19⅛ Jan 28
11,800	102,966	Calgary & Edmonton Ltd	*	20½	20⅞	18	Sale	17¾	Sale	17½ July 15	19⅜ July 18	17½ July 15	22½ Feb 28
35,500	321,600	California Electric Power	1	23⅜	Sale	28¼	Sale	28⅜	Sale	27 July 18	28½ July 30	22⅞ Feb 4	29½ May 23
900	5,100	$3.00 preferred	50	63½	65	74	74¾	73¾	74¾	73½ July 15	75 July 8	63½ Jan 8	75 May 8
50	2,300	$2.50 preferred	50	52	53	52¼	53¼	52⅛	53	52¼ July 9	52¼ July 9	52 Jan 9	55 Jun 3
1,700	8,360	6% preferred	50	57½	58	55	Sale	56	Sale	54⅝ July 10	56⅜ July 31	53¾ Jun 20	60¼ Mar 5
		Cameo-Parkway Records Inc											
11,800	185,300	Class A	10c	11¼	Sale	8	Sale	7⅛	Sale	7⅛ July 30	8¼ July 2	7⅛ July 30	12¼ Jan 15
		Campbell Chibougamau											
32,400	387,900	Mines Ltd	1	3½	Sale	4	Sale	3 1/16	Sale	3 1/16 July 19	4¼ July 3	3½ Jan 2	4¾ May 16
5,900	37,800	Campbell Machine Inc	1	4⅝	4¾	6	Sale	6	Sale	5⅞ July 17	6¼ July 2	4⅝ Feb 1	7½ Jun 3
----	----	Canada Bread Co Ltd	*	5	8	4⅜	6½	4	6½	-- ------	-- ------	-- ------	-- ------
300	5,700	Canada Cement Co Ltd	*	26½	26⅝	34	36	33½	35	34 July 22	34¼ July 24	27¼ Jan 3	36¾ Apr 18
----	----	1.30 preferred	20	24	26½	25	27½	25	27½	-- ---- --	-- ------	-- ------	-- ------
102,300	966,300	Canada Sou Petroleum vtc	1	4 1/16	Sale	3⅝	Sale	3⅞	Sale	3 1/16 July 1	4¼ July 3	3¼ Mar 8	4⅝ Jan 2
25	1,675	Canadn Dredge & Dock Co	*	7¼	8	6⅝	7⅞	6	7	6½ July 2	6½ July 2	6½ July 2	8¼ Jan 11
		Canadian Export Gas &											
14,600	230,500	Oil Ltd	16⅔c	1⅛	Sale	1 1/16	Sale	⅞	1 1/16	⅞ July 1	1 July 11	⅞ Jun 3	1⅛ Jan 2
22,500	115,500	Can Homestead Oils	10c	1	Sale	¾	⅞	¾	⅞	¾ July 16	⅞ July 11	¾ July 16	1 1/16 Feb 27
10,800	100,800	Canadian Indus Gas	2.50	8⅜	Sale	7⅝	Sale	7¾	Sale	7½ July 19	8¼ July 9	7½ July 19	9¼ Jan 8
521,300	2,390,500	Canadian Javelin Ltd	*	8⅜	Sale	17¼	Sale	14¼	Sale	12½ July 25	17½ July 1	8⅜ Jan 2	18¼ Jun 21
21,200	176,500	Canadian Marconi Co	1	3⅝	3¾	3¾	Sale	3⅞	Sale	3¾ July 1	4¼ July 16	3⅝ Jun 27	4⅝ Jan 29
1,000	12,300	Canadian Petrofina pfd	10	9¾	Sale	10⅛	10½	10⅛	10⅜	10 July 19	10½ July 9	9¾ Jan 2	10⅞ Feb 7
9,000	61,100	Canadianwide Props Ltd	1	5⅜	Sale	4⅝	5	4¾	5	4¾ July 10	5⅜ July 18	4⅛ Feb 14	6⅛ Jan 18
6,600	41,600	Can Williston Minerals	6c	5 1/16	⅜	5 1/16	⅜	5 1/16	7 1/16	5 1/16 July 2	⅜ July 17	¼ Feb 6	1/16 Jan 4
7,500	82,450	Canal-Randolph Corp	1	14½	Sale	14	Sale	14½	Sale	14 July 1	14¾ July 16	13⅞ Apr 15	17⅜ Apr 8
19,200	260,800	Canaveral Internat'l	50c	6⅜	Sale	6⅝	Sale	5¾	Sale	5 July 26	6⅝ July 1	4⅛ May 23	7⅜ Jan 22
39,700	245,800	Capital Cities Broadcast	1	17	Sale	21⅛	Sale	22¼	Sale	19¼ July 22	22⅜ July 31	16⅞ Jan 2	24⅛ Apr 23
600	8,060	Capital City Products	1	17½	Sale	17⅞	18¼	17⅞	18⅜	17⅞ July 25	18¼ July 18	16½ Mar 20	19 Jan 10
2,100	40,300	Carey Baxter & Kennedy	1	4	4½	4⅝	4¾	4½	Sale	4⅜ July 8	4⅞ July 8	4¼ Jun 21	6½ Mar 7
4,500	48,200	Carnation Co	5.50	88	Sale	93	Sale	89	90	88½ July 25	94 July 3	83 Mar 12	98½ Jun 10
560	2,750	Carolina Pwr & Lt $5 pfd	*	107½	109	109½	Sale	108¼	109	108 July 30	109½ July 1	107¼ Jan 7	110 Jan 24
		Carreras Ltd—											
7,600	78,000	Amer dep rcts B ord		⅛	Sale	¾	Sale	¾	Sale	¾ July 1	⅞ July 15	1 1/16 Mar 25	⅞ Feb 11
1,700	18,300	Carter (J W) Co common	1	5¼	5¾	4½	Sale	4¼	Sale	4¼ July 11	4½ July 1	4 Mar 26	6 Jan 11
2,200	26,800	Castle (A M) & Co	10	10⅛	Sale	13½	Sale	13⅜	13¾	13⅛ July 9	13½ July 1	10⅛ Jan 2	14⅜ Mar 8
12,400	102,700	Catalin Corp of America	1	3¼	Sale	4	4⅛	4⅛	Sale	3¾ July 22	4¼ July 5	3⅛ Jan 3	4¾ Jun 3
4,500	9,600	Central Charge Service	1	—	—	9½	9⅝	8⅜	Sale	8⅜ July 29	9¾ July 2	8⅜ July 29	10¼ May 31
26,200	336,000	Central Hadley Corp	1	1 1/16	¾	1 1/16	Sale	1 1/16	Sale	¾ July 10	15/16 July 29	⅝ Feb 25	1⅛ Apr 15
		Cent Maine Power Co—											
530	3,440	3.50% preferred	100	72	73	74½	75½	75	75¾	73½ July 9	76 July 26	72½ Jan 4	76 July 26
125	900	Cent Pwr & Lt 4% pfd	100	84¼	86¾	87⅜	88½	86½	88	88 July 29	88½ July 5	85¾ Jan 17	88½ July 5
11,600	76,800	Central Securities Corp	1	17¼	Sale	18¾	Sale	18¾	Sale	18¼ July 22	19⅛ July 11	17⅛ Jan 2	20⅜ Apr 11
900	12,200	Conv pref $1.40 series B	*	28	28½	31	Sale	30½	31	30¾ July 2	32 July 15	28 Jan 4	32 Apr 15
5,825	15,420	Conv pref $1.50 series	*	34	35¼	37¼	38	--	--	36⅝ July 23	38⅜ July 10	34¼ Jan 8	40¾ Apr 22
1,000	12,700	Century Electric Co	10	7	7⅜	7½	7⅞	7½	7⅞	7⅝ July 2	8 July 11	7⅜ Jan 3	9 Feb 18
4,300	68,800	Century Geophysical Corp	1	4⅜	Sale	4	Sale	3½	Sale	3½ July 30	4 July 1	3⅜ Jun 18	6⅞ May 2
2,700	8,600	Chamberlin Co of Amer	2.50	5	5¼	6½	6¾	6½	6⅝	6½ July 8	6½ July 8	5 Jan 8	9 Feb 18
6,000	166,000	Charter Oil Co Ltd	1	1	Sale	1 5/16	Sale	1¼	1⅜	1¼ July 19	1 7/16 July 17	1⅛ Feb 5	1 9/16 Jun 17
4,100	65,400	Cherry-Burrell Corp	5	10¾	Sale	13½	Sale	12⅝	Sale	12¼ July 18	13½ July 1	10½ Feb 1	13⅝ Jun 25
1,800	16,700	Chicago Rivet & Machine	2	22¾	23¼	26	Sale	26¼	27¼	26 July 1	27½ July 18	22½ Jan 22	29 May 27
20,400	410,700	Chief Consol Mining Co	1	1¼	Sale	2	Sale	2	Sale	2 July 1	2¼ July 2	1⅛ Jan 4	3 Feb 20
27,600	291,300	Christiana Oil Corp	1	5⅛	Sale	7½	Sale	6⅜	6½	6¼ July 18	7⅝ July 1	5⅛ Jan 2	8⅜ Jun 21
50,400	789,900	Chromalloy Corp	10c	12½	Sale	18	Sale	17¾	Sale	17 July 22	20 July 24	12⅛ Jan 8	22½ Apr 15
84,100	1,363,200	Cinerama Inc	1c	14	Sale	14⅛	Sale	13⅞	Sale	13⅝ July 22	15⅝ July 10	13½ Jan 3	17⅜ Mar 26
23,700	129,500	Circuit Foil Corp	25c	19⅝	Sale	24¾	Sale	28	Sale	24⅛ July 3	29½ July 31	19 Mar 1	29½ July 31
25,300	154,700	C K P Development Ltd	*	13¼	Sale	12	Sale	13¼	Sale	12 July 1	13⅞ July 17	10¼ Mar 19	13⅞ July 17
10,100	55,100	Clark Cable Corp	10c	5⅜	5¾	5½	Sale	5	Sale	5 July 31	5¾ July 11	4⅞ Mar 12	6¼ Mar 18

For footnotes, see page 96

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Aggregate Sales in July Shares	Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY — July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
6,800	77,400	Clarostat Mfg Co Inc	1	7¾	Sale	6⅝	6⅞	6	Sale	5¾ July 23	6⅝ July 2	5¾ July 23	7⅞ Jan 10
31,500	208,100	Clary Corporation	1	5	Sale	8	Sale	8¼	Sale	7⅞ July 1	9 July 15	4½ Mar 25	9⅛ Jun 13
500	10,400	Clayton & Lambert Mfg	4	13	13½	15¼	15¾	14¼	15	14¾ July 23	15¼ July 9	12⅝ Apr 11	15¾ Jun 7
4,100	48,000	Clopay Corporation	1	3	Sale	2⅞	3⅛	2⅝	2¾	2⅝ July 26	3 July 2	2⅝ July 26	3½ Jan 31
13,200	178,900	Coburn Credit Co common	1	--	--	11½	Sale	11¼	Sale	10⅜ July 23	11¾ July 8	9⅛ Mar 29	12⅞ Apr 26
1,850	28,220	6% preferred	20	--	--	24⅝	Sale	22¾	23½	22 July 11	24⅝ July 1	20¼ Mar 18	26¼ Apr 22
134,000	277,500	Rights		--	--	9/32	Sale	--	--	⅛ July 2	9/32 July 1	⅛ July 2	1⅝ Jun 21
38,900	272,900	Cohu Electronics Inc	1	3¾	Sale	5⅛	Sale	4¾	Sale	4⅝ July 22	5¼ July 5	3½ Apr 11	5¼ July 5
21,100	51,900	Coleman Company Inc	5	--	--	33¼	Sale	36¼	Sale	32⅝ July 2	37¾ July 11	29¾ Apr 30	37¾ July 11
6,700	107,000	Colonial Sand & Stone Co	1	13⅞	Sale	16¾	Sale	15⅜	Sale	15¼ July 24	17 July 2	13⅞ Jan 2	18⅝ Feb 11
1,200	16,000	Commercial Metals Co	5	4	Sale	6	6½	5¼	5⅝	5⅜ July 29	6½ July 8	4 Jan 2	6½ Jun 24
79,300	342,000	Com'ty Discount Centers	10c	1⅛	Sale	1	Sale	1⅝	Sale	1 July 1	1¾ July 30	1 Jun 14	1¾ Jan 23
11,800	88,600	Community Pub Service	10	43½	Sale	41½	Sale	43¾	Sale	41 July 2	44½ July 18	38½ May 31	46 Feb 20
		Compo Shoe Machinery—											
4,500	92,700	Vtc ext to 1965	1	10¼	Sale	8⅝	Sale	8⅛	Sale	8⅛ July 29	9 July 8	7⅝ May 7	14⅜ Jan 31
15,500	514,300	†Compudyne Corp	25c	3	Sale	1½	Sale	1¼	Sale	1⅛ July 2	1½ July 1	⅝ May 23	3⅝ Jan 24
4,100	42,200	Connelly Containers	50c	4½	4¾	5	Sale	5	Sale	5 July 1	5¼ July 12	4⅜ Mar 19	5¼ Apr 17
9,000	74,200	Consol Diesel Elec Corp	10c	4⅞	Sale	4⅜	Sale	4⅜	Sale	4⅛ July 17	4⅝ July 11	4⅛ Apr 18	5⅛ Jan 4
2,700	53,700	Consol Mng & Smelt Ltd	*	21⅜	Sale	24	Sale	24½	Sale	23 July 19	24⅝ July 11	21¼ Jan 4	25¼ Apr 16
37,800	259,600	Consolidated Oil & Gas	20c	3¾	4	4	Sale	3¾	Sale	3⅝ July 9	4 July 1	3⅝ Jun 14	4¾ Feb 6
6,100	32,600	Consolidated Royalty Oil	*	8⅝	Sale	8⅞	Sale	9	Sale	8⅞ July 1	9¼ July 2	8⅜ Jan 15	10¼ Feb 15
31,400	338,800	Consolidated Sun Ray Inc	1	⅞	Sale	⅞	Sale	⅞	Sale	¾ July 24	1/16 July 30	¾ Mar 12	1⅛ Mar 27
1,200	28,300	Construction Products A	1	1⅞	2⅛	1¼	Sale	1¼	1⅜	1¼ July 1	1⅜ July 17	1¼ May 7	2¼ Jan 3
2,800	34,200	Cont Aviation & Eng Corp	1	7	Sale	x8⅛	Sale	7¾	Sale	7⅛ July 23	8⅜ July 3	7 Jan 2	8⅝ Feb 20
1,600	16,300	Cont Commercial Corp	1	5⅜	Sale	5¼	5⅜	5¼	Sale	5¼ July 18	5¼ July 18	5⅛ Apr 23	5⅞ Feb 8
18,000	60,900	Cont Connector class A	50c	7⅛	Sale	8	Sale	9¼	Sale	8 July 1	10 July 12	6¾ Mar 27	10 July 12
26,500	186,700	Cont Materials Corp	10c	1/16	Sale	⅝	Sale	⅝	Sale	⅝ July 1	11/16 July 5	⅝ Jan 2	⅞ Jan 16
52,100	60,700	Continental Telephone Co	1	--	--	11⅝	Sale	11¾	Sale	11⅛ July 11	11⅞ July 5	11⅛ July 11	12⅛ Jun 21
2,500	19,900	Cook Paint & Varnish	15	17¼	Sale	18⅝	19	19½	Sale	19 July 2	20¼ July 15	17⅛ Jan 2	20¼ July 15
3,100	41,900	Cooper-Jarrett Inc	1	5¾	Sale	6⅜	Sale	6¼	Sale	6¼ July 31	6⅞ July 18	5¾ Jan 2	7⅞ May 20
		Corby H Distillery Ltd—											
200	1,000	Class A voting	*	14¾	16	16	17½	16	18	17½ July 3	17½ July 3	15⅞ Jan 15	17½ May 8
----	400	Class B nonvoting	*	14⅝	16	16	17	15¾	17½	-- ------	-- ------	16 Apr 26	17 May 8
5,700	48,900	Coro Inc	5	6⅞	7¼	8⅝	9	8¾	Sale	8¼ July 25	8⅞ July 9	7¾ Jan 10	9¾ Jan 22
1,900	9,900	Corroon & Reynolds com	1	20⅛	20½	21	21⅛	21¼	21½	21 July 2	21⅜ July 5	20 Jan 4	22¾ Feb 20
200	4,200	$1 preferred A	*	20¼	20¾	20⅜	20¾	20¾	21	20¾ July 2	20¾ July 2	20⅜ Apr 5	21½ Apr 22
5,800	63,800	Cott Beverage Corp	1.50	6	Sale	6⅝	Sale	6⅞	Sale	6⅜ July 11	6⅞ July 31	5½ Feb 6	7⅜ Jun 14
		Cott Bottling Co of											
6,200	101,700	New England Inc	1	6½	Sale	7	Sale	6⅝	Sale	6½ July 8	7⅛ July 2	6⅜ Jan 11	8 Feb 18
		Courtaulds Ltd—											
500	4,100	Am dep rcts ord reg	£1	7½	7⅝	9⅞	10	9 5/16	9⅝	9⅜ July 26	9 11/16 July 2	7 5/16 Feb 6	9 11/16 July 2
56,300	696,700	Crane Carrier Indust	50c	2¼	Sale	2¾	Sale	2½	Sale	2½ July 2	2¾ July 1	2¼ Jan 2	3 Jan 11
142,200	688,000	Creole Petroleum Corp	5	36⅝	Sale	40⅛	Sale	42	Sale	39⅞ July 8	44¾ July 15	35⅝ Mar 11	44¾ July 15
2,200	36,900	Crestmont Consolidated	1	3¾	4⅛	5	5¼	4½	4⅝	4⅜ July 29	5¼ July 9	3⅞ Jan 9	5¾ Jun 6
600	15,600	Crose-United Corp	25c	2½	2⅞	2¾	Sale	2¾	3	2¾ July 1	2¾ July 1	2½ Apr 18	3⅝ Jan 21
200	9,200	Crowley Milner & Co	1	7	7⅛	7½	7¾	7½	7¾	7⅝ July 10	7⅝ July 10	6¾ Jan 18	8⅜ Apr 22
9,400	83,500	Crown Alum Industries	25c	3	Sale	4⅛	Sale	3¾	Sale	3½ July 17	4¼ July 2	3 Jan 2	5¼ Jan 11
6,500	40,200	Crown Cent Petrol (Md)	5	13⅛	Sale	13⅜	Sale	13½	Sale	13¼ July 9	14⅜ July 29	12½ Jan 7	14¾ May 2
7,200	52,600	Crown Drug	25c	2⅝	Sale	2⅛	2¼	2⅛	Sale	2 July 2	2⅜ July 25	2 Jun 18	2⅞ Feb 7
800	18,300	Crystal Oil & Land Co	10c	6¾	7¼	5⅞	6	5⅝	5⅞	5⅝ July 22	5⅞ July 8	5½ Apr 2	6⅞ Jan 9
33,200	354,500	Cubic Corporation	*	10¼	Sale	8⅛	Sale	7½	Sale	7½ July 31	9¼ July 11	6⅝ Apr 25	12⅜ Jan 18
----	2,000	Curtis Mfg Co class A	4	8⅛	8⅜	8⅛	8½	8⅛	8½	-- ------	-- ------	7⅞ Jan 21	8½ May 15
		Cutter Laboratories Inc—											
50,000	363,700	Class A common	1	11⅞	Sale	14⅝	Sale	15	Sale	14⅛ July 1	16¼ July 15	11⅜ Jan 3	16¼ July 15
8,100	50,400	Class B common	1	11¼	Sale	13⅝	14⅛	14½	Sale	13⅝ July 2	15½ July 15	11¼ Jan 2	15½ July 15
28,900	194,800	Daitch Crystal Dairies	50c	4¼	Sale	5½	Sale	6½	Sale	5½ July 1	6⅝ July 24	4¼ Jan 2	6⅞ Apr 17
3,600	200,600	Daryl Industries Inc	50c	3½	Sale	2½	2¾	2½	Sale	2½ July 2	2¾ July 3	2½ Jun 25	4⅛ Jan 14
1,197,400	1,291,300	Data-Control Systems	10c	--	--	17¾	Sale	25	Sale	16⅜ July 2	30⅞ July 25	12½ Jun 26	30⅞ July 25
10,000	77,700	Davidson Brothers Inc	1	4¼	4½	4½	Sale	4	Sale	4 July 22	4½ July 1	4 July 22	5⅝ Apr 4
20,800	97,800	Day Mines Inc	10c	5⅜	Sale	5¼	Sale	5⅝	Sale	5 3/16 July 1	5¾ July 12	5 May 2	6⅛ Mar 13
1,120	5,570	Dayco Corp class A pref	35	29¾	30½	34¾	Sale	34¼	35	34⅜ July 17	35 July 2	30 Jan 8	35 Jun 13
2,300	22,900	D C Transit System cl A	20c	11⅛	Sale	10⅝	10⅞	10¾	11	10⅝ July 2	11 July 23	10½ Apr 2	11⅜ Jan 23
1,700	26,200	Defiance Industries class B	1	5⅞	Sale	6⅝	Sale	6	6¼	6 July 10	6⅝ July 1	5¾ Apr 11	8½ May 20
15,800	127,500	Dennison Mfg Co class A	5	19	Sale	28¾	Sale	25⅞	Sale	25⅞ July 31	28⅞ July 1	18⅞ Jan 3	31 May 31
120	930	8% debenture stock	100	143	Sale	157	160	153	155¾	155 July 18	157 July 12	142½ Jan 2	158½ Jun 24
10,600	79,400	Desilu Productions Inc	1	7⅝	Sale	6¾	Sale	6¾	Sale	6½ July 11	7 July 16	6½ July 11	8¼ Feb 20
9,600	124,700	Detroit Gasket & Mfg Co	1	8½	Sale	14⅜	Sale	14	Sale	13¾ July 10	15 July 18	8½ Jan 2	15⅞ May 27
11,300	195,100	Detroit Industrial Prod	1	5½	Sale	5⅛	Sale	4¾	Sale	4⅜ July 23	5⅝ July 3	4⅜ July 23	7⅜ Jan 16
14,400	119,700	Devoe & Raynolds Co Inc	1	24¼	Sale	28½	Sale	28⅞	Sale	28⅛ July 17	29¾ July 2	24⅛ Jan 3	29¾ Jun 6
26,500	271,300	Devon-Palmer Oils Ltd	25c	1/16	¾	⅝	Sale	9/16	Sale	9/16 July 1	⅝ July 1	9/16 Jun 7	⅞ Jan 23
21,300	302,300	Dialight Corp	1	10⅞	Sale	14⅝	Sale	14½	Sale	14½ July 17	14¾ July 1	10½ Jan 8	14¾ May 24
		Dielectric Products											
2,700	31,700	Engineering Co Inc	1	2½	2⅞	2¼	2⅜	2⅝	Sale	2¼ July 5	2⅝ July 31	2⅛ May 2	3½ Jan 24
		Dilbert's Quality											
15,700	133,100	Supermar'ts Inc com	10c	¾	⅞	½	Sale	¾	⅞	7/16 July 3	1 July 9	⅜ Jun 26	1½ Jan 10
4,800	31,700	7% 1st preferred	10	1	Sale	¾	Sale	1¼	Sale	¾ July 1	1⅜ July 17	⅝ Apr 2	1½ Jan 11
		Distillers Co Ltd—											
4,000	10,500	Am dep rcts ord reg	10s	4½	4⅝	4¼	Sale	4¾	4⅞	4 3/16 July 3	4¾ July 18	4 3/16 July 3	4¾ July 18
700	13,600	Diversey (The) Corp	1	10⅛	Sale	10⅛	10½	10⅛	10½	10¼ July 9	10¼ July 9	10 May 16	11¾ Feb 12
5,000	94,900	Dixilyn Corp com	10c	2¼	Sale	2	2⅛	2⅛	2¼	2 July 16	2½ July 31	1¾ Apr 11	2½ Apr 22
1,100	114,000	Class A	4	--	--	2½	2¾	2½	Sale	2⅛ July 25	2⅝ July 9	2⅛ Jan 4	2⅞ Feb 14
78,100	296,500	Dome Petroleum Ltd	2.50	12	Sale	12¼	Sale	13	Sale	12 July 5	13¼ July 11	10⅝ Jun 14	13⅞ Apr 18
----	4,900	Dominion Bridge Co	*	17½	18½	17	19¾	15½	17½	-- ------	-- ----	17⅛ Jan 3	21⅝ May 6
3,000	45,200	Dominion Steel & Coal ord	*	9⅛	9⅜	11¼	11⅝	10⅝	11	10½ July 29	12⅛ July 15	9⅜ Jan 7	14¼ Apr 23
17,000	99,800	Dominion Tar & Chem Ltd	*	16¼	Sale	16⅜	Sale	15⅞	Sale	15½ July 19	17 July 9	15½ July 19	18½ May 10
----	2,300	Dominion Textile Co Ltd	*	15¼	16	18⅝	20	18¼	20½	-- ------	-- ------	16 Jan 7	19⅛ Jun 18
28,600	169,200	Dorr-Oliver Inc com	7.50	12¼	Sale	11¾	Sale	12	Sale	11¾ July 1	13 July 16	11¾ July 1	13⅞ Feb 1
750	5,450	$2 preferred	32.50	34½	35¼	37½	Sale	37	38	36 July 25	37½ July 1	35¼ Jan 4	41 Jan 29
21,300	125,000	Dorsey (The) Corp	1	7⅜	7⅝	8¼	Sale	8⅛	Sale	7⅞ July 5	8¾ July 26	7⅜ Jan 3	9 Feb 13
19,900	170,200	Draper Corp	*	38¼	Sale	34½	Sale	34⅝	Sale	33⅝ July 1	36¾ July 8	33⅝ July 1	40½ Feb 7
61,700	591,500	Drilling & Exploration Co	1	17½	Sale	16⅞	Sale	17⅛	Sale	16⅞ July 1	17⅛ July 30	15¾ Feb 19	18⅝ Jan 9
2,500	27,800	Driver Harris Co	5	14⅜	15	20⅛	Sale	19⅜	19⅞	19 July 3	21⅛ July 11	14⅝ Jan 8	25⅝ May 24
5,600	51,600	Drug Fair-Community Drug	1	6	Sale	5¾	6	6	6⅛	5⅞ July 2	6½ July 8	5½ Mar 26	7 Jan 14
		Dunlop Rubber Co Ltd—											
800	10,200	Amer dep rcts ord reg	10s	4	Sale	4 5/16	4⅜	4½	4¾	4⅜ July 5	4½ July 17	4 Jan 2	4 11/16 Feb 28
1,200	18,900	Duraloy (The) Company	1	3	Sale	2⅝	2¾	2⅜	2⅝	2⅜ July 23	2⅝ July 11	2⅜ May 20	3½ Feb 19
8,200	102,400	Duro Test Corp	15c	7⅜	Sale	6⅜	Sale	6½	Sale	6⅜ July 1	6⅞ July 5	6¼ Jun 21	7½ Jan 3
6,100	38,600	Du Val Corp	*	--	--	36	Sale	34¼	Sale	33½ July 24	36 July 1	31⅞ Jan 18	36¾ Jun 14
34,800	264,700	Dynalectron Corp	10c	2¼	Sale	2⅛	Sale	2⅜	Sale	2 July 1	2⅜ July 29	2⅛ Jan 2	3⅛ Feb 1
1,400	13,800	Eastern Air Devices	1	2⅜	Sale	1⅞	2⅛	--	--	1¾ July 25	2 July 11	1⅝ May 1	3⅛ Feb 11
4,800	31,500	Eastern Can Co class A	1	7¼	7¾	8⅜	Sale	7⅞	Sale	7¾ July 10	8½ July 5	7⅛ Mar 19	9 Jan 21
650	†10,750	Eastern Company	25	41¾	Sale	42¼	43¼	42¾	Sale	42 July 29	43 July 3	38 May 8	51 May 21
24,600	110,100	Eastern Freight Ways	20c	4⅜	Sale	5	Sale	4⅞	Sale	4¾ July 10	5⅝ July 2	4 Mar 22	5⅝ July 2
6,100	68,800	Eastern States Corp com	1	19¼	Sale	29⅜	Sale	28	Sale	27¾ July 25	29½ July 8	19¼ Jan 2	31¾ Jun 3
50	790	$7 preferred series A	*	178¼	190	185¼	Sale	186½	189½	185 July 3	187¾ July 2	175¼ Mar 6	193½ Jun 26
30	280	$6 preferred series B	*	163½	167¾	175⅛	180½	172½	176½	174 July 29	178 July 11	165 Jan 11	181¾ Jun 26
15,400	195,800	Edo Corporation	1	10	Sale	14½	Sale	13⅜	Sale	12¾ July 26	15 July 11	10 Jan 2	16⅛ Jun 4
18,600	18,600	Elco Corporation	25c	--	--	--	--	7¾	Sale	7¾ July 23	9⅜ July 2	7¾ July 23	9⅜ July 2
32,300	185,700	Elder-Peel Ltd	1	1/16	Sale	⅞	Sale	¾	Sale	¾ July 22	1 July 2	¾ July 22	1⅛ Feb 7
2,100	24,800	Electro-Voice Inc	2	5	5½	5⅞	Sale	5¾	Sale	5¾ July 31	6 July 5	5 Apr 15	6⅜ Jan 11
7,900	32,400	Electrographic Corp com	1	15	Sale	19	Sale	21	Sale	18⅝ July 8	21⅜ July 30	15 Jan 2	21⅜ July 30
73,500	446,300	Electronic Assistance	10c	4¼	Sale	6⅞	Sale	7¼	Sale	6½ July 1	8⅜ July 10	3⅞ Mar 22	8½ Jun 21
43,800	158,600	Electronic Communications	1	12⅝	Sale	12½	Sale	13	Sale	11¾ July 8	14⅝ July 12	10½ Apr 15	14⅞ Jan 30
		Electronic Research Assoc—											
16,000	59,400	Class A	10c	4⅝	Sale	5½	5¾	5¾	6	5 July 1	7⅛ July 12	4⅝ Jan 2	7⅛ July 12

For footnotes, see page 96.

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Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
7,600	74,100	Electronic & Missile Facilities	25c	4⅝	4⅞	3¼	Sale	2½	2¾	1⅞ July 24	3¼ July 1	1⅞ July 24	6¼ Feb 21
32,800	97,000	Electronics Corp of Amer	1	5⅜	Sale	5	Sale	6⅛	Sale	5¼ July 9	7⅝ July 15	4⅝ Mar 6	7⅝ July 15
10,200	70,000	El-Tronics Inc	*	1⅞	Sale	1⅞	Sale	1⅞	Sale	1¾ July 30	2⅛ July 8	1¾ July 30	3⅛ Jan 14
900	23,800	Emenee Corporation	1	4⅞	Sale	4	4⅜	3¾	3⅞	3¾ July 18	4⅛ July 2	3¾ May 13	5½ Jan 4
120	710	Empire Dist Elec 5% pfd	100	102	105	102½	104	103¼	105	104 July 10	104 July 10	98 Jan 9	105 Feb 7
198,600	645,600	Equity Corp common	10c	3¼	Sale	3½	Sale	3⅜	Sale	3¼ July 2	4 July 17	3 Mar 6	4 July 17
2,500	8,100	$2 conv preferred	1	44	44¾	48¼	48¾	48¾	Sale	48 July 15	55 July 17	44¾ Jan 3	55 July 17
12,600	105,000	Erie Forge & Steel Corp	1	2⅛	Sale	1¾	Sale	1⅝	Sale	1⅝ July 19	1⅞ July 10	1⅝ July 19	2⅜ Jan 3
800	18,800	6% conv 1st preferred	10	5⅛	5⅝	4⅞	5⅜	4⅝	4¾	4⅝ July 22	5⅛ July 9	4¼ Jun 6	5⅞ Jan 10
5,300	26,100	Ero Manufacturing Co	1	4⅜	Sale	4⅛	Sale	4	4⅛	4 July 22	4¼ July 8	4 July 22	4⅞ Jan 14
3,700	39,500	ERT Corp	1	4⅜	Sale	4	4¼	4¼	Sale	4 July 3	4¼ July 12	3⅞ Mar 7	4¾ Jan 7
3,000	18,100	Espey Mfg & Electronics	1	7⅛	7½	6½	7	6⅛	Sale	6⅛ July 31	7½ July 15	6⅛ July 31	9½ Jan 28
2,500	53,500	Esquire Inc	1	6¾	Sale	9⅛	9⅜	8½	Sale	8½ July 5	9⅛ July 2	6¾ Jan 2	11¾ Mar 22
7,000	41,700	Esquire Rad & Electron	10c	2⅛	2⅜	3⅞	Sale	4	Sale	3⅞ July 1	4⅜ July 11	2⅛ Feb 6	4½ Jun 21
43,300	487,600	Essex Chemical Corp	*	3⅞	Sale	6⅜	Sale	6⅛	Sale	5½ July 25	6⅞ July 5	3½ Apr 15	7¼ May 20
3,700	34,300	Evans Rule Co	1	6⅛	6½	5⅞	6¼	5¾	Sale	5¾ July 2	6⅛ July 12	5¾ July 2	7⅞ Feb 18
15,000	291,000	Exquisite Form Indus	10c	3⅝	Sale	4	Sale	3⅞	Sale	3⅞ July 2	4⅜ July 11	3⅛ Jan 11	5⅛ Feb 13
5,300	57,600	Fairmont Chemical Co	1	3½	3¾	3⅜	Sale	3½	3¾	3⅜ July 1	3¾ July 15	3¼ Jun 7	5⅝ Jan 21
171,100	223,900	Falcon Seaboard Drilling	1½	4⅜	4⅝	6⅝	6¾	11⅝	Sale	6⅜ July 8	12⅛ July 17	4½ Jan 15	12⅛ July 17
17,500	27,300	Family Record Plan Inc	1	—	—	9¼	Sale	7¾	Sale	7½ July 9	9½ July 1	7⅝ Jun 27	9½ July 1
21,900	131,300	Famous Artists Schools	2c	11¾	Sale	12⅛	Sale	12½	Sale	11⅜ July 8	12¾ July 31	11⅛ Jan 8	14¾ Feb 4
10,500	58,800	Fanny Farmer Candy Shops	1	26¼	Sale	24½	Sale	28½	Sale	24⅜ July 3	28¾ July 26	22⅛ Feb 25	28¾ July 26
37,799	227,300	Faraday Uran Mines Ltd	1	1⅝	Sale	1 5/16	Sale	1¼	Sale	1⅛ July 22	1⅝ July 18	1⅛ July 22	1⅝ Jan 2
83,900	559,200	Fargo Oils Ltd	1	2½	Sale	2 1/16	Sale	2	Sale	1 15/16 July 29	2⅛ July 8	1 15/16 July 29	2 11/16 Jan 8
2,800	29,000	Federated Purchaser A	10c	7	Sale	5	Sale	4¾	4⅞	4⅞ July 25	5⅛ July 15	4⅞ July 25	8¼ Jan 10
22,900	443,200	Felmont Petroleum Corp	1	5¼	Sale	7⅛	Sale	6⅞	Sale	6⅝ July 25	7⅛ July 1	5¼ Jan 2	8 Jun 4
7,500	49,700	Fields Plastics & Chem	1	7½	7¾	7¼	Sale	6½	Sale	6½ July 8	7¼ July 1	6½ July 8	8⅞ Apr 18
16,200	100,000	Filmways Inc	25c	5	Sale	6¾	Sale	6⅞	Sale	6½ July 5	7½ July 15	4¾ Jan 4	7½ July 15
12,000	166,600	Financial General Corp	10c	14¾	Sale	15¾	Sale	15⅜	Sale	15⅛ July 26	16⅜ July 9	14½ Jan 2	18 Feb 13
8,300	44,400	First National Realty & Construction com	10c	3	3¼	2¾	Sale	3¼	Sale	2⅞ July 1	3⅜ July 17	2⅞ Jun 6	3⅞ Apr 22
1,300	12,700	60c conv preferred	8	10	10½	10	10¾	11	11½	10⅛ July 8	11⅜ July 16	9¾ Mar 28	12⅛ Apr 19
5,900	63,000	Warrants		1	1¼	1	1⅛	1	1⅛	1 July 8	1⅛ July 12	1 Feb 26	1⅜ Feb 5
17,900	360,700	Firth Sterling Inc	2.50	5⅝	Sale	5½	Sale	5	Sale	5 July 23	5⅝ July 1	5 July 23	7⅜ Feb 6
27,100	125,700	Fisher & Porter Co	1	14⅞	Sale	18½	Sale	18⅛	Sale	16⅜ July 22	19⅛ July 25	13½ Mar 13	19⅜ Jun 24
1,400	10,800	Fishman (M H) Co Inc	1	12⅜	Sale	9½	Sale	9⅛	9¼	9¼ July 11	9¾ July 2	9¼ July 11	12¾ Jan 14
19,500	110,200	Florida Capital Corp	1	—	—	3¾	Sale	3⅞	Sale	3⅝ July 9	3⅞ July 2	3⅝ May 23	4⅜ Apr 9
27,100	331,000	Flying Tiger Lines Inc	1	14⅝	Sale	11⅛	Sale	11½	Sale	11¼ July 1	12¾ July 10	11⅛ Apr 16	16¼ Feb 13
460	11,540	Ford Motor of Canada	*	162	Sale	168	171	163	Sale	161 July 22	172 July 2	159 Feb 4	186½ Jun 11
4,900	38,600	Forest City Enterprises	1	5¼	Sale	5¾	Sale	5⅛	5⅜	5⅛ July 25	5¾ July 1	5⅛ July 25	6½ Feb 27
25,800	295,400	Fotochrome Inc	1	2⅜	2⅝	3⅛	Sale	2⅝	Sale	2⅜ July 11	3⅛ July 1	1⅞ Mar 28	4¾ May 23
14,300	67,700	Fresnillo (The) Company	1	4⅞	Sale	6	Sale	6⅜	6½	6 July 1	6⅝ July 25	4⅞ Jan 2	6⅝ July 25
5,300	92,000	Friendly Frost Inc	10c	3⅛	Sale	3¾	Sale	3	Sale	3 July 26	3¾ July 1	2¼ May 14	4⅛ Jun 27
2,400	34,900	Fuller (Geo A) Co	5	31½	Sale	31⅜	Sale	31⅜	31⅞	31¼ July 1	31⅞ July 9	30½ Mar 15	36½ Apr 25
15,900	149,700	Garan Inc	1	10½	11	17⅝	Sale	16⅝	Sale	14½ July 26	18⅜ July 3	10½ Jan 3	20¼ Jun 19
5,100	9,400	Gateway Sporting Goods	2.50	—	—	13⅞	Sale	14⅛	Sale	12¼ July 11	14⅛ July 31	12¼ July 11	14⅜ Jun 25
200	25,400	Gatineau Power Co com	*	31⅛	Sale	31¾	32½	31½	32½	32⅛ July 18	32⅛ July 18	30⅝ Jan 3	32⅜ Apr 24
----	20	5% preferred	100	90	94	90	95¾	90	92	-- ------	-- ------	91¼ Jan 7	91¾ Apr 5
4,100	33,600	Genl Acceptance warrants		6½	7	5⅝	5⅞	5½	Sale	5 July 22	5⅝ July 2	5 July 22	7¾ Jan 15
4,900	31,700	General Alloys Co	1	2	Sale	1¾	2	1⅝	Sale	1½ July 26	1⅞ July 8	1½ July 26	2⅜ May 13
41,400	316,200	Gen Battery & Ceramic	1	8½	Sale	8½	Sale	8¾	Sale	8 July 8	8¾ July 16	7⅜ Apr 30	9¾ Jan 10
15,300	99,000	General Builders Corp	1	3	Sale	3	Sale	2⅞	3	2¾ July 30	3⅛ July 11	2⅝ Feb 13	3½ Mar 21
58,400	741,800	General Development Corp	1	5¾	Sale	6¼	Sale	6	Sale	6 July 11	6½ July 15	5⅛ Apr 3	7⅞ Jan 14
400	2,700	Genl Elec Co of Gt Britain Amer dep rcts ord reg	£1	5⅜	5⅞	6¾	7	7 3/16	7⅝	7 July 15	7¼ July 18	5¼ Jan 16	7¼ July 18
6,700	63,500	General Fireproofing	5	29⅛	Sale	25	Sale	25¾	Sale	24⅞ July 2	25¾ July 19	24⅞ July 2	34½ Feb 27
12,800	85,100	General Foam Corp	1	8½	Sale	9½	Sale	8	Sale	8 July 24	9¾ July 1	7⅝ Jun 17	10⅛ Jan 24
27,400	300,000	General Gas Corp	2.50	12¾	Sale	15¼	Sale	15⅜	Sale	15⅛ July 1	15¾ July 17	12¾ Jan 2	15⅞ Jun 10
179,700	1,523,400	General Plywood Co	50c	19⅜	Sale	13½	Sale	17½	Sale	13¼ July 1	19¼ July 29	13 Jun 20	24¾ Feb 15
10,600	115,000	General Stores Corp	1	⅛	1	1⅛	Sale	1⅛	Sale	1⅛ July 1	1¼ July 18	⅛ Jan 4	1⅜ Jan 16
2,400	36,200	Genung's Incorporated	1	12⅜	Sale	11⅝	Sale	11⅝	Sale	11½ July 10	11⅞ July 2	11½ Jan 15	12¾ Apr 16
100	350	Georgia Power $5 pfd	*	102	105	102	103	106	110	103 July 2	108 July 23	102 Jan 11	109 Feb 11
1,250	5,375	$4.60 preferred	*	98	99¾	99⅝	100¾	99½	100½	99¾ July 23	100⅝ July 8	98¼ Jan 16	101¾ Feb 8
68,900	345,400	Giannini Controls	50c	15	Sale	12½	Sale	12⅝	Sale	12 July 1	15⅜ July 11	11 Apr 24	16½ Jan 14
3,800	35,600	Giant Food Inc class A	1	12⅝	Sale	11½	Sale	11⅛	Sale	10½ July 25	11½ July 1	10¼ Apr 19	13⅝ Feb 6
233,500	794,000	Giant Yellowknife Mines	1	10¼	Sale	11¾	Sale	11¾	Sale	11¼ July 19	12¼ July 12	10 Jan 11	12¼ July 12
22,100	64,700	Gilbert (A C) Co	*	15	15⅞	24¼	Sale	31½	Sale	24¼ July 1	32¾ July 15	13¾ Jan 18	32¾ July 15
100	13,100	Gilchrist Co	*	20¾	Sale	14¼	14¾	13⅞	14⅜	14¼ July 10	14¼ July 10	11¾ Apr 11	22⅛ Jan 3
19,200	342,400	Glass-Tite Industries	4c	4⅛	Sale	4⅛	Sale	4⅜	Sale	3¾ July 23	4⅜ July 31	3½ Feb 1	5¼ Apr 16
4,200	82,100	Glenmore Distilleries cl B	1	16	16⅝	17⅛	Sale	16⅛	16½	16¼ July 30	17¼ July 2	16¼ Apr 10	23 Jan 25
13,600	101,500	Globe Security Systems	*	13⅛	14	15⅛	Sale	14⅝	Sale	13⅝ July 19	15⅜ July 5	12½ Apr 23	16¼ Jan 24
19,400	80,500	Gloray Knitting Mills Inc	1	10½	11	16⅞	Sale	17⅞	Sale	16½ July 2	20½ July 11	11 Jan 3	20½ July 11
8,400	62,100	Gluckin (Wm) Co Ltd	£1	10	Sale	9¾	10	9½	Sale	9¼ July 19	10¼ July 17	9¼ Jan 8	11⅜ Apr 15
77,900	905,500	Goldfield Corp	1	—	—	2	Sale	1⅞	Sale	1¾ July 11	2⅛ July 1	1⅛ Jan 2	2¼ Jun 25
2,000	43,000	Goodman Mfg Co	16⅔	26½	Sale	25½	Sale	24½	25¼	24¾ July 25	25½ July 1	24⅝ Jun 10	33¼ Feb 8
8,300	79,200	Goodway Printing Co Inc	*	5⅝	Sale	4¾	5⅛	4⅞	Sale	4⅜ July 24	5⅛ July 8	3⅞ Apr 4	7 Jan 8
6,200	24,300	Gordon Jewelry class A	1	9¼	9½	9½	Sale	10⅜	Sale	9⅜ July 10	10½ July 12	9⅛ Mar 15	10½ July 12
8,900	71,900	Gorham Corporation	4	21	Sale	23¾	Sale	22⅝	22⅞	22⅝ July 30	23⅞ July 5	21 Jan 2	26¼ Feb 15
13,800	89,700	Gray Manufacturing Co	5	3⅜	3¾	5¼	5⅜	6½	Sale	5⅛ July 10	6⅞ July 19	3¾ Jan 3	7 May 22
48,700	580,900	Great Amer Industries	10c	1¼	Sale	1⅛	Sale	1⅛	Sale	1⅛ July 1	1¼ July 1	1 Mar 19	1⅝ Jan 8
407,200	1,825,600	Great Basins Petrol Co	20c	3½	Sale	5⅜	Sale	4¾	Sale	4½ July 26	5⅝ July 5	2¾ Apr 9	5⅞ Jun 11
700	17,900	Great Lakes Bowling Corp	1	5	5½	5⅛	5⅜	4¾	5	4¾ July 29	5⅝ July 3	4½ May 6	5¾ Jun 20
42,900	406,500	Great Lakes Chemical	1	2⅛	Sale	2¼	Sale	2⅛	Sale	2⅛ July 1	2½ July 8	2⅛ Jan 2	3⅜ Jan 10
6,200	53,800	Great Western Producers	60c	6⅛	Sale	7¼	7⅜	8	Sale	7½ July 2	8 July 22	6 Mar 4	8 July 12
300	2,650	6% pfd series A	30	23½	25	24¼	Sale	24½	25	24¼ July 1	24⅞ July 22	24¼ July 1	26 Feb 21
38,400	101,000	Greer Hydraulics Inc	50c	2¾	Sale	2⅛	2¼	2¾	Sale	2¼ July 2	2¾ July 31	2 Apr 8	3¼ Jan 28
1,600	5,700	Griesedieck Company	1	12⅜	12⅝	13½	Sale	13¾	14	13½ July 1	13⅞ July 22	12⅜ Jan 8	14½ Feb 11
600	3,400	Grocery Store Products	5	34¼	36	34½	35	33½	35	34 July 19	34½ July 16	34 July 19	39 May 3
17,600	138,000	Grow (The) Corp	10c	2¼	Sale	2½	2¾	2⅞	Sale	2¼ July 10	3 July 24	1⅞ May 3	3 Jun 14
3,000	27,800	Guardsman Chemical Coatings Inc	1	9¾	10¼	11¼	11⅜	10¾	11	11 July 26	11¾ July 5	10¼ Jan 3	14½ Mar 14
22,100	108,500	Guerdon Industries	*	3½	Sale	6⅞	Sale	8¼	Sale	6½ July 16	8⅜ July 30	3½ Jan 2	8⅜ July 30
88,000	1,001,100	Gulf American Land Corp	1	6	Sale	5⅛	Sale	4⅝	Sale	4⅜ July 31	5¼ July 9	4⅜ July 31	6⅝ Jan 7
8,400	52,400	Gulf Sts Land & Indus	50c	14¾	Sale	16	Sale	15⅝	Sale	14 July 23	17⅜ July 5	13½ Jun 10	20⅛ Jan 16
18,200	130,300	Gulf & Western Indus	1	26½	Sale	29	Sale	30⅞	Sale	28 July 16	31¼ July 25	26½ Jan 2	35¼ Apr 22
25,600	170,800	Gulton Industries Inc	1	33¼	Sale	28	Sale	26⅞	Sale	26½ July 30	30½ July 10	26½ July 30	36⅞ Jan 29
17,400	384,500	H & B Corporation	10c	2⅜	Sale	3	Sale	3⅛	3¼	2⅞ July 5	3¼ July 19	2 Feb 27	4 Jun 11
1,300	45,200	Hall (C M) Lamp Co	2	4	Sale	3¾	Sale	—	—	3⅝ July 5	3⅞ July 11	3⅜ May 29	5⅞ Feb 13
241,400	241,400	Hanson-Van Winkle-Munning	3.50	—	—	—	—	14	Sale	13⅝ July 10	18½ July 11	13⅝ July 10	18½ July 11
13,900	215,900	Hardeman (Paul) Inc	25c	16⅛	Sale	12⅜	Sale	12¼	Sale	12 July 18	13⅝ July 3	11¾ Jun 21	17¼ Jan 10
9,000	114,500	Harn (The) Corp	1	7	Sale	7¼	Sale	7	Sale	6⅝ July 18	7¾ July 8	6⅝ July 18	9 May 28
4,700	34,000	Harnischfeger Corp	10	16⅝	Sale	16⅛	Sale	16½	Sale	16⅛ July 22	16⅞ July 1	16 Mar 7	18⅞ Apr 11
7,000	73,200	Hartfield Stores Inc	1	6¼	Sale	5¾	6	5⅝	Sale	5⅝ July 31	6⅛ July 5	5⅝ July 31	8⅛ Jan 31
5,100	35,100	Hartford Electric Light	25	40½	Sale	43	Sale	44	Sale	42 July 8	44 July 31	40½ Jan 2	44¼ May 8
3,600	38,500	Harvard Industries Inc	1	2½	Sale	1⅞	Sale	1¾	1⅞	1⅞ July 1	2 July 8	1⅞ Apr 9	2⅞ Jan 9
4,800	54,900	Harvey Radio Co Inc	1	3⅝	Sale	4	Sale	3½	Sale	3¼ July 10	4 July 1	3¼ July 10	4⅞ May 22
2,200	27,100	Harvey's Stores class A	1	4½	Sale	4	4⅛	3⅜	4	3⅞ July 10	4⅛ July 3	3⅞ July 10	5¼ Jan 9
8,400	72,200	Hastings Mfg Co	2	7½	Sale	7	Sale	6⅞	Sale	6⅞ July 2	7⅛ July 8	6¾ Mar 15	8¼ Feb 1
34,700	361,000	Hazel Bishop	10c	5⅛	Sale	4⅛	Sale	4⅜	Sale	4⅛ July 1	4⅞ July 16	3⅞ May 16	6 Jan 3
6,700	65,600	Hebrew National Kosher Foods	50c	5⅛	Sale	5¼	Sale	5¼	Sale	5⅛ July 5	5⅜ July 11	5 Mar 13	6⅜ Jan 14
60,400	302,900	Hecla Mining Co	25c	13⅜	Sale	19½	Sale	19⅝	Sale	18½ July 15	21 July 25	13⅜ Jan 2	21 July 25
8,700	112,400	Heinicke Instrument	16⅔c	9⅜	Sale	6⅞	Sale	6⅜	Sale	6⅜ July 23	7⅛ July 11	6⅛ May 7	9⅝ Jan 7
2,400	47,400	Helena Rubinstein Inc	*	28	Sale	36	Sale	36¼	Sale	35 July 25	37 July 10	27⅞ Jan 4	38¾ May 6
43,500	287,100	Heli-Coil Corp	*	26⅛	Sale	33¼	Sale	30	Sale	30 July 31	35½ July 12	26⅛ Jan 2	35½ July 12
120	660	Heller (W E.) & Co— 5½% preferred	100	103	105	102¾	Sale	105	106½	102⅝ July 1	104½ July 11	102 Jan 17	107 Jan 10
----	340	4% preferred	100	79	80	81	85	81	85	-- ------	-- ------	76 Jan 14	85 May 1

For footnotes, see page 96.

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Aggregate Sales in July Shares	Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
5,000	48,400	Henderson's Portion Pak	1	14¾	Sale	12¾	13⅛	11⅛	11⅝	11⅜ July 26	12¾ July 3	11⅜ July 26	15½ Jan 18
20,800	146,800	Hercules Galion Prod	10c	4	Sale	4⅛	Sale	4⅝	Sale	4 July 8	4⅝ July 26	3¾ Jan 28	5 Apr 25
4,400	26,800	Higbie Mfg Co	1	13½	14	18¾	Sale	18½	Sale	18⅜ July 10	19 July 1	13¾ Jan 11	19 July 1
		Highway Trailer Indus—											
12,800	117,200	Common	1.25	7	Sale	5⅞	Sale	5⅜	Sale	5¼ July 26	5⅞ July 1	5¼ July 26	9⅝ Feb 13
2,700	28,900	5% conv preferred	10	5⅜	5¾	5½	5⅞	5½	5¾	5½ July 2	5¾ July 2	5¼ Jun 5	7⅝ Feb 13
1,500	21,000	Hill's Supermarkets Inc	50c	13	Sale	16⅜	Sale	16⅛	Sale	16⅛ July 19	16½ July 3	13 Jan 2	18 May 7
14,200	129,800	Hilton Hotels Corp warrants		6⅞	Sale	5½	5⅝	5	Sale	5 July 19	5¾ July 9	5 July 19	7⅞ Jan 4
6,700	47,400	Hoe (R) Co Inc common	1	1¾	Sale	1⅞	Sale	1⅝	Sale	1⅝ July 8	1⅞ July 1	1⅝ Jan 3	2⅝ Jan 17
6,200	59,300	Class A	2.50	7	Sale	7½	Sale	7⅞	Sale	7½ July 1	7⅞ July 31	7 Jan 2	9¼ Jan 17
3,200	164,400	Hoffman International	1	3¾	4	1⅞	Sale	1¾	Sale	1½ July 29	1⅞ July 1	1 May 16	4⅜ Jan 14
3,100	40,300	Hofmann Industries Inc	25c	⅝	Sale	⅝	11/16	⅝	Sale	⅝ July 9	11/16 July 3	1/16 Mar 22	11/16 Jan 21
4,500	64,900	Hollinger Cons G M	5	19½	Sale	25	Sale	24⅜	Sale	23¾ July 19	25¾ July 5	19½ Jan 2	27¼ Jun 12
7,500	222,750	Holly Corporation	50c	1⅛	Sale	1⅛	1¼	1	Sale	1 July 8	1⅛ July 2	1 Feb 4	1⅝ Mar 20
11,400	97,100	Holly Stores Inc	1	5¼	5½	5⅜	Sale	6⅛	Sale	5¼ July 1	6⅛ July 31	4⅜ Mar 8	6½ Jan 29
2,400	18,900	Holophane Co Inc	*	32½	Sale	35	Sale	34¾	35	34¾ July 1	35⅜ July 12	32½ Jan 2	37½ Feb 27
6,600	†49,050	Holyoke Shares Inc	5	28⅝	Sale	31¼	Sale	28½	29½	29 July 26	31¼ July 1	28½ Jan 3	31¾ Jun 19
1,300	26,100	Home Finance Group Inc	1	12⅝	13	12¾	13	12½	12¾	12¾ July 5	13 July 9	12¾ Apr 4	14⅜ Jan 25
8,300	97,600	Home Oil Co Ltd class A	*	10⅞	Sale	10⅜	10⅞	10	Sale	9⅝ July 29	11 July 8	9⅝ July 29	13½ May 23
3,900	70,300	Class B	*	10¾	11	10½	10¾	11⅛	Sale	10⅜ July 24	11⅝ July 10	10⅜ July 24	13½ May 22
825	12,975	Hormel (Geo A) & Co	7.50	28	Sale	29½	29⅞	28¼	28¾	28¼ July 22	29⅞ July 2	28 Jan 2	34¼ Feb 4
460	4,480	Horn & Hardart Baking	*	110	111½	110	Sale	106⅝	Sale	106 July 29	111 July 16	106 July 29	124 Jan 10
5,200	46,000	Horn & Hardart common	*	19⅞	Sale	19	Sale	18⅛	18⅜	18¼ July 23	19¼ July 1	18¼ July 23	23 Jan 10
210	1,810	5% preferred	100	94¾	96	99½	100	99½	100¾	99¼ July 2	100¾ July 22	95¼ Jan 15	100¾ July 22
1,300	10,250	Hoskins (The) Mfg Co	2.50	27⅜	28	33	Sale	33⅞	Sale	33 July 1	34 July 26	28 Jan 4	35¼ May 8
1,900	15,100	Howell Elec Motors Corp	1	4¾	Sale	5⅜	Sale	5¼	5¾	5⅜ July 1	6 July 15	4⅝ Jan 2	6⅝ May 13
		Hubbell (Harvey) Inc—											
6,000	26,400	Class A common	5	17⅜	17⅞	18⅜	Sale	18	Sale	17¾ July 17	18⅞ July 8	17⅜ Jan 4	20 Apr 16
4,900	31,400	Class B common	5	17¼	17¾	18½	Sale	18	Sale	17¾ July 5	18½ July 1	17 Jan 4	20⅛ Apr 8
		Hudson & Manhattan Corp											
8,000	59,400	Class A	10	29¼	Sale	30½	Sale	30½	Sale	30¼ July 8	31¼ July 16	26¾ Feb 20	31½ Jan 23
7,500	64,900	Hudson Vitamin Products	1	13½	Sale	12	Sale	12	Sale	11⅝ July 15	12⅛ July 3	11½ Jun 10	14½ Jan 3
8,600	93,100	Hughes and Hatcher Inc	1	—	—	13½	Sale	13½	Sale	12⅝ July 19	13½ July 5	12⅜ Jan 2	15¼ May 10
31,900	221,300	Husky Oil Canada Ltd	1	—	—	5 1/16	Sale	5 2/16	Sale	5 5/16 July 19	6¼ July 9	5 5/16 July 19	6⅞ May 20
99,700	679,300	Hycon Mfg Company	10c	2⅜	Sale	3⅜	Sale	3⅛	Sale	3⅛ July 22	3⅝ July 3	2⅜ Jan 2	3¾ Apr 19
1,800	35,700	Hydromatics Inc	1	5⅛	Sale	3⅛	Sale	2¾	3¼	2⅝ July 26	3¼ July 8	1⅝ Apr 19	5½ Jan 10
135,100	361,600	Hydrometals Inc	2.50	5¼	Sale	5½	Sale	7	Sale	5⅜ July 8	7½ July 26	5⅛ Jan 2	7½ July 26
6,100	81,000	Hygrade Food Products	5	15⅞	Sale	19¾	Sale	18¾	Sale	18 July 26	20⅜ July 10	15⅞ Jan 2	22⅛ Apr 15
7,500	44,400	IMC Magnetics Corp	33⅓c	4¼	Sale	5⅝	Sale	5⅜	5½	5⅛ July 9	5⅝ July 1	4 Mar 28	6¾ Jun 10
		Imperial Chem Indus Ltd—											
24,100	205,600	Amer dep rcts ord reg	£1	8 1/16	8 3/16	8½	Sale	8 2/16	Sale	8 7/16 July 19	8⅞ July 26	7½ Jan 28	8⅛ Jun 6
22,900	139,100	Imperial Oil (Canada)	*	40¾	Sale	37⅛	Sale	38⅝	Sale	36⅝ July 19	39¼ July 11	36⅝ July 19	42⅛ May 17
8,100	194,300	Imperial Tobacco of Can	5	13⅛	Sale	12¼	12¾	13	Sale	12⅜ July 2	13¼ July 15	12 Jun 21	14¾ May 7
900	9,100	Imp Tob of Gt Brit & Ire	£1	7 11/16	8⅛	8⅝	8¾	8⅞	9¼	8⅝ July 16	9 3/16 July 23	8⅜ Jan 17	9 3/16 Jun 6
8,500	120,900	Independent Telephone	1	8⅝	Sale	8⅞	9⅛	8¾	Sale	8½ July 22	9⅛ July 10	8½ July 22	10¾ Feb 18
		Indianapolis Pwr & Light—											
640	2,820	4% preferred	100	88¼	90¼	90	Sale	89	92	88¼ July 19	91 July 24	88 Apr 8	92¾ Jun 4
		Industrial Electronic											
2,800	25,400	Hardware Corp	50c	3	3¼	3¾	Sale	3⅜	Sale	3¼ July 29	3¾ July 1	3⅛ Jan 7	3⅞ Mar 13
2,100	17,300	Industrial Plywood Co	25c	3¼	3½	3½	Sale	3	3⅜	3 July 26	3½ July 1	3 July 26	4¾ May 24
15,400	59,600	Inland Credit Corp cl A	1	16	Sale	11⅛	Sale	10	Sale	9¼ July 15	11⅛ July 1	9¼ July 15	17½ Feb 1
1,300	19,300	Inland Homes Corp	1	9½	9⅞	10⅛	10½	10	10½	10 July 30	10½ July 8	9½ Feb 28	11¼ May 24
41,200	241,300	Insur Co of North Amer	5	94¼	Sale	94½	Sale	91½	Sale	91½ July 31	94½ July 1	91½ July 31	102½ May 1
4,900	65,800	International Breweries	1	3⅜	Sale	3⅞	Sale	3½	Sale	3½ July 22	4 July 8	3⅜ Jan 2	5¼ Feb 4
5,700	47,300	Internat'l Holdings Corp	1	33	Sale	33	Sale	33⅜	Sale	32½ July 9	33⅜ July 5	31 Feb 15	36 May 17
47,600	294,100	Internatl Oil & Gas Corp	1	5	Sale	5	Sale	6	Sale	5 July 1	6⅛ July 31	4⅛ May 15	6⅛ July 31
1,400	55,200	International Products	5	2⅞	Sale	4⅛	4⅝	4⅜	4⅝	4⅛ July 2	4⅝ July 12	2⅞ Jan 2	5⅞ Feb 1
68,400	260,800	Internat'l Stretch Prods	1	8⅛	Sale	10¾	Sale	14¼	Sale	10⅝ July 1	14¾ July 31	7⅛ Feb 11	14¾ July 31
2,800	54,100	Intex Oil Company	33½c	6	6¼	7¼	Sale	7¼	Sale	7 July 8	7¾ July 11	6 Jan 3	9 Jun 5
2,500	61,600	Investmt Prop Builders	10c	1¼	Sale	1⅛	Sale	1	1¼	1 July 8	1¼ July 5	1 May 6	1¾ Jan 18
		Investors Funding Corp											
1,700	15,600	(N Y) class A	5	11⅜	Sale	10⅞	11	11⅛	11⅜	10⅞ July 2	11⅝ July 15	10¼ Feb 7	15¼ Feb 28
3,300	61,700	Investors Royalty Co	1	3¼	Sale	3½	Sale	3½	3⅝	3½ July 1	3¾ July 10	3¼ Jan 2	3¾ Jun 17
		Iowa Public Service Co—											
----	370	3.90% preferred	100	82¾	85½	85	88	85½	87	-- ------	-- ------	83¾ May 20	86½ Jan 22
16,200	197,800	Ipco Hospital Supply Corp	1	9⅞	Sale	12¾	Sale	11⅞	Sale	11½ July 22	13⅜ July 9	9⅝ Jan 7	13⅜ July 9
27,000	135,900	Irving Air Chute	1	19¼	20½	31¾	Sale	33	Sale	29⅜ July 29	34¼ July 3	20½ Jan 7	34⅞ Jun 13
111,100	2,269,400	Israel-American Oil Corp	10c	3/16	Sale	¼	Sale	¼	Sale	¼ July 1	5/16 July 1	⅛ Mar 22	⅜ Mar 28
9,100	75,600	Jeannette Glass Co	1	8¼	Sale	9¾	Sale	9½	Sale	9¼ July 24	11 July 19	8 Jan 2	12⅝ May 2
9,400	230,000	Jefferson Construction	1	3⅝	Sale	4¾	Sale	4⅜	Sale	4¼ July 18	4⅞ July 5	3⅝ Jan 2	6⅛ Apr 19
3,100	40,900	Jefferson Lake Asbestos	1	10½	Sale	7⅜	Sale	7¼	7⅜	7⅛ July 12	7¾ July 18	6¾ May 8	10⅞ Jan 9
		Jefferson Lake											
7,400	58,000	Petrochemicals Ltd	1	4½	4⅝	5⅜	Sale	5¾	Sale	5⅛ July 29	6⅛ July 5	4⅜ Jan 9	6⅛ Apr 26
5,800	45,600	Series B warrants		1⅞	2⅛	2¼	Sale	2 1/16	2¼	2 July 26	2 5/16 July 5	1⅛ Jan 10	2⅛ Apr 23
6,500	70,800	Jetronic Industries Inc	10c	2⅜	2½	2¼	2⅜	2¼	Sale	2⅛ July 12	2⅜ July 2	2⅛ Apr 16	3¼ Jan 16
7,100	85,600	John's Bargain Stores	25c	--	--	13⅛	Sale	11¼	Sale	11 July 26	13¼ July 11	11 July 26	15⅞ May 8
5,800	95,500	Jupiter Corp (The)	75c	4¼	Sale	4⅛	4¼	4	Sale	4 July 5	4⅛ July 2	4 Jan 16	5 Mar 25
86,500	921,500	Kaiser Industries Corp	4	6½	Sale	7½	Sale	6⅞	Sale	6½ July 22	7⅞ July 5	6¼ Mar 1	8½ Apr 16
16,800	137,400	Kaltman (D) & Co	50c	1½	Sale	1⅞	Sale	1½	Sale	1½ July 30	1⅞ July 1	1½ Jan 2	2⅛ Feb 8
60	360	Kansas G & E 4½% pfd	100	97⅜	--	98	100	98	100	97 July 15	99 July 19	97 Jun 6	100 Apr 2
14,900	86,600	Katz Drug Company	1	11	Sale	12⅜	Sale	13¼	13⅜	12 July 1	14½ July 10	10⅝ Jan 7	15⅝ Mar 12
20,000	261,100	Kaufman & Broad Bldg Co	1	14⅛	Sale	27¾	Sale	27	Sale	26¾ July 5	28¾ July 15	13⅞ Jan 4	29⅞ Jun 26
5,500	148,800	Kavanau Corporation	1	9¼	Sale	6¼	Sale	6	Sale	5¾ July 22	6¼ July 1	4⅞ May 23	10 Jan 4
31,000	191,400	Kawecki Chemical	25c	23¾	Sale	26⅛	Sale	24⅝	Sale	24⅛ July 29	27⅝ July 11	20¾ Feb 19	29⅜ Jun 12
5,300	35,900	Kay Jewelry Stores Inc	1	7⅜	Sale	6¾	7	6½	Sale	6½ July 31	7¼ July 5	6¼ Mar 29	7⅞ Jan 14
1,600	35,000	Kidde (Walter) & Co	2.50	12¼	Sale	13¼	Sale	12¾	Sale	12⅝ July 8	13½ July 2	12 Jan 3	15 Feb 8
13,400	148,900	Kilembe Copper Cobalt Ltd	1	2⅜	Sale	2⅝	Sale	2⅞	2 1/16	2½ July 1	3 July 9	2⅜ Jan 2	3¼ Apr 22
27,700	172,000	Kin-Ark Oil Company	10c	1⅝	Sale	1⅛	Sale	1⅜	Sale	1⅛ July 1	1½ July 15	1⅛ Apr 29	2 Jan 14
26,100	247,600	Kingsford Company	1.25	1⅛	Sale	1⅜	Sale	1¼	Sale	1¼ July 3	1½ July 18	1 Mar 7	1⅝ May 21
7,000	203,400	Kingston Products	1	3	3¼	3⅞	Sale	3¾	Sale	3¾ July 10	4⅛ July 2	3⅛ Jan 3	5 Apr 17
47,000	135,500	Kinney Service Corp	1	14⅛	Sale	18¼	Sale	20⅜	Sale	18 July 1	22⅞ July 11	14 Feb 25	22⅞ July 11
46,700	284,300	Kirby Petroleum Co	1	19½	Sale	28¼	Sale	33⅛	Sale	28⅛ July 1	34¼ July 31	18⅛ Mar 6	34¼ July 31
12,000	115,200	Kirkeby-Natus Corp	1	15⅜	Sale	19⅞	Sale	20⅝	Sale	19⅝ July 1	20⅝ July 31	15⅛ Jan 2	20¾ Jun 12
20,000	220,400	Kirkland Minerals Ltd	1	5/16	Sale	3/16	Sale	3/16	¼	5/16 July 1	¼ July 1	1/16 May 28	1/16 Jan 14
1,500	27,200	Kleer-Vu Industries Inc	10c	2½	2¾	2⅝	2⅞	2⅝	2⅞	2⅝ July 10	2¾ July 5	2⅜ Apr 22	3¾ Jan 22
16,000	139,000	Klein (S) Dept Stores Inc	1	13⅛	Sale	12¾	Sale	11⅝	Sale	11⅝ July 26	12¾ July 1	11⅝ July 26	14⅞ Mar 13
1,200	16,600	Kleinert (I B) Rubber	2.50	12	12⅜	11¾	12	11¾	12	11¾ July 11	11⅞ July 5	11½ May 31	14 Feb 6
12,500	200,000	Klion (H L) Inc	25c	4½	Sale	4⅜	Sale	4	Sale	3¾ July 15	4⅜ July 1	3⅛ May 20	5⅝ Jun 21
2,400	9,200	Knott Hotels Corp	5	17	Sale	16½	17⅛	18⅞	19⅝	16½ July 9	19⅞ July 25	15⅝ Mar 28	19⅞ July 25
500	8,200	Kostin Corp	7.50	14¾	15	16	16¾	16⅛	16¾	16¼ July 8	16½ July 24	14¾ Jan 3	16½ July 24
159,000	1,945,300	Kratter (The) Corp cl A	1	15⅜	Sale	9	Sale	9⅜	Sale	9 July 1	11⅛ July 11	7⅝ May 1	17⅛ Jan 18
7,700	124,100	Kropp (The) Forge Co	33⅓c	1⅝	1¾	2¼	Sale	1¾	2	1¾ July 22	2¼ July 1	1⅝ Jan 18	2¾ Feb 21
		Kulka Smith Electronics—											
21,400	66,800	Common	10c	4⅝	Sale	4¼	4½	4⅞	5⅛	4¼ July 2	5⅛ July 11	4 Jun 28	5⅜ Jan 28
1,200	40,200	L'Aiglon Apparel Inc	1	9¾	Sale	9⅞	10⅜	9⅛	9⅝	9⅜ July 25	10 July 8	9⅛ Apr 25	12 Jun 5
13,100	143,800	Lafayette Rad & Electron	1	9¾	Sale	13	Sale	12¼	Sale	11½ July 22	13⅜ July 11	9¾ Jan 2	14⅜ Jun 13
8,100	63,700	Lake Shore Mines Ltd	1	2⅜	Sale	2	Sale	2⅛	2¼	2 July 1	2¼ July 2	1⅞ Jun 20	2¾ Jan 29
4,000	21,800	Lakey Foundry Corp	1	1¾	Sale	2	Sale	1¾	2	2 July 1	2⅛ July 24	1¾ Jan 2	2⅛ Jan 15
5,100	42,200	Lamb Industries Inc	3	3⅜	Sale	2⅞	3⅛	2⅝	Sale	2⅜ July 31	3⅛ July 3	2⅜ July 31	4¼ Jan 22
3,500	43,100	Lamson Corp of Del	5	11½	Sale	12¾	13	13⅜	Sale	13 July 3	13¾ July 17	11¼ Jan 3	14⅜ Feb 14
9,100	38,200	Lamson & Sessions Co	10	14½	14⅞	17⅝	Sale	18⅛	Sale	17¼ July 3	18½ July 29	14⅞ Jan 3	18½ July 29
2,600	24,400	Lanston Industries Inc	5	2¾	Sale	2½	2⅝	2½	Sale	2½ July 15	2⅝ July 5	2½ Jun 27	3¾ Mar 7
1,600	34,000	Larchfield Corp	1	5	Sale	5¼	5½	5⅜	5⅝	5⅜ July 3	5¾ July 18	5 Jan 2	5⅞ Jan 29
17,800	191,600	Lease Plan Interna'l Corp	1	22⅞	Sale	31¾	32¼	31	Sale	30 July 26	34½ July 17	22¾ Jan 2	36⅞ Jun 7
1,700	15,300	Lee Filter Corp	1	2⅞	3⅛	3⅛	Sale	3	Sale	2⅞ July 11	3⅛ July 1	2¾ Mar 22	3⅞ Jan 25
1,900	19,800	Lee Motor Products cl A	1	2	2¼	1⅝	1¾	1¾	1⅞	1½ July 22	1¾ July 3	1½ July 22	2⅝ Feb 5
156,900	1,168,400	Lefcourt Realty Corp	25c	½	Sale	1/16	Sale	5/16	⅜	1/16 July 15	7/16 July 1	1/16 July 15	½ Jan 2
13,900	155,000	Leslie Fay Inc class A	1	9½	Sale	10¼	Sale	8⅞	Sale	8½ July 26	10¼ July 1	8½ July 26	11⅜ Mar 11
1,000	9,000	Levine's Inc	4	10¾	11½	10½	10¾	10½	10¾	10½ July 8	10¾ July 11	10¼ Apr 15	12⅛ Feb 1
15,100	15,100	Levitt and Sons Inc	70c	--	--	--	--	5⅛	Sale	4¾ July 22	5⅞ July 8	4¾ July 22	5⅞ July 8
		Lewis (Tillie) Foods	See Tillie Lewis Foods										
46,200	249,200	Liberty Fabrics of N Y	1	22½	Sale	13¾	Sale	13⅞	Sale	12½ July 9	15¾ July 11	12½ July 9	23⅜ Jan 4
600	3,250	5% preferred	10	7¾	8	7¾	Sale	8	Sale	7¾ July 1	8⅜ July 17	7⅝ Mar 13	8⅜ May 27

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
20,000	219,300	Lithium Corp of America	1	6⅞	Sale	7	Sale	6¾	Sale	6¾ July 22	7½ July 2	6¾ Jan 2	9¼ Mar 27
36,700	36,700	Lithonia Lighting Inc	*	—	—	—	—	11½	Sale	11¼ July 25	14⅞ July 22	11¼ July 25	14⅞ July 22
287,100	678,900	Livingston Oil Co	10c	8⅞	Sale	11⅞	Sale	13	Sale	11⅜ July 8	13½ July 31	8¼ Feb 18	13½ July 31
5,500	24,500	Locke Steel Chain	2.50	13¾	Sale	8⅞	Sale	8⅝	8¾	8½ July 2	9⅛ July 12	8½ July 2	15⅛ Jan 23
4,200	30,400	Lockwood Kessler & Bartlett class A	25c	3⅝	Sale	3½	Sale	3⅛	Sale	3⅛ July 25	4 July 2	2¾ May 29	4⅝ Jun 12
4,800	124,200	Lodge & Shipley (The) Co	1	1⅛	1¼	1⅛	Sale	1⅛	1¼	1⅛ July 1	1¼ July 8	1 Mar 20	1⅜ Jan 14
1,300	17,100	Longines-Wittnauer Watch	1	9⅛	9½	9¾	Sale	9¼	9½	9¼ July 19	9¾ July 1	8¾ Feb 15	10¼ Jun 5
3,800	3,800	Louis Lesser Enterprises— Class A	10c	—	—	—	—	9½	Sale	9½ July 31	10¼ July 30	9½ July 31	10¼ July 30
2,300	32,000	Louis Sherry Preserves	1	2¾	Sale	2⅝	2⅞	2½	Sale	2½ July 15	2⅞ July 9	2½ July 15	4¼ Mar 12
5,300	88,000	Louisiana Gas Service	10	18	Sale	21⅜	Sale	20⅞	Sale	20⅝ July 31	21½ July 15	17¾ Jan 2	22½ May 31
28,800	255,000	Louisiana Land & Explor	30c	71¾	Sale	85⅜	Sale	85¼	Sale	83⅛ July 18	85¾ July 31	70½ Jan 2	90 Apr 19
77,600	280,200	Lucky Friday Silver-Lead Mines Company	10c	25¾	Sale	34¼	Sale	34	Sale	34 July 31	38⅜ July 25	25⅝ Jan 2	38⅜ July 25
20,900	97,300	Lundy Electronics & Systems Inc	10c	4⅝	Sale	4½	Sale	4¾	Sale	4½ July 1	5¾ July 16	4¼ Apr 16	5⅞ Feb 8
2,050	†15,350	Lunkenheimer (The) Co	2.50	25⅛	25⅝	27⅞	Sale	27⅞	Sale	27 July 26	28¼ July 5	25⅝ Jan 3	29¾ Feb 20
20,200	137,100	Lynch Corp	2	7¾	Sale	8¾	9	9	Sale	8¼ July 12	9¼ July 24	7⅝ Jan 2	10 Feb 8
18,200	181,800	MacFadden-Bartell Corp	50c	1¾	Sale	3⅝	Sale	3⅞	Sale	3½ July 1	4 July 30	1¾ Jan 2	4⅜ May 28
10,900	161,400	Mack Trucks Inc warrants		18	Sale	21	Sale	19⅞	Sale	19¼ July 8	21¾ July 2	17¼ Mar 6	26¾ Apr 15
6,400	39,000	Macke Vending Co class A	1	23⅛	Sale	23½	Sale	22⅜	Sale	22 July 22	23½ July 1	21 Jan 29	24¼ Jun 20
19,800	403,300	Mackey Air Lines Inc	33⅓c	⅞	1	2⅜	Sale	2⅜	Sale	2⅛ July 12	2¾ July 8	⅞ Jan 10	3½ May 16
5,800	72,000	Macoid Industries Inc	*	2¾	3	x3⅛	Sale	3⅛	Sale	3 July 19	3¼ July 8	2¾ Feb 5	3¾ Apr 26
41,400	656,900	Magellan Petroleum Corp— Voting trust ctfs	1c	1⅜	Sale	⅞	Sale	1⅛	Sale	¾ July 19	15/16 July 1	¾ Jun 27	1⅜ Jan 9
24,700	191,500	Magna Oil Corporation	50c	5¾	Sale	4½	Sale	4⅞	Sale	4⅛ July 18	5⅛ July 26	4⅛ Jun 5	6⅜ Mar 14
4,900	28,700	Maine Public Service	7	21¾	Sale	21⅛	Sale	21⅜	Sale	20⅞ July 30	21⅝ July 22	20⅞ July 30	22½ Jan 8
7,400	113,900	Majestic Specialties Inc	*	13	Sale	15⅝	16	14½	Sale	14½ July 30	16⅜ July 10	12⅛ Mar 14	18⅝ May 16
2,000	20,700	Mallory Randall Corp	10c	4	Sale	3½	3¾	2¾	3⅛	3 July 30	3½ July 3	3 July 30	4½ Apr 26
26,300	147,400	Mangel Stores Corp	1	20⅝	Sale	17	Sale	16½	Sale	16⅜ July 17	17¼ July 5	16⅜ July 17	22½ Jan 10
24,500	158,100	Mansfield Tire & Rubber	2½	6⅝	6¾	7⅞	Sale	8⅛	Sale	7¾ July 2	8½ July 12	6⅝ Jan 4	8⅝ May 24
----	----	Marconi Internat Marine American dep rcts	£1	3¾	4¼	4 7/16	4¾	4 5/16	4¾	— ------	— ------	— ------	— ------
5,100	82,100	Marlene Industries Corp	10c	—	—	5⅞	Sale	5¾	Sale	5¾ July 8	6⅛ July 8	4⅞ Mar 7	7⅛ Jan 17
16,400	124,100	Martin-Marietta "wts"		28½	29¼	23	Sale	21	Sale	19¾ July 25	24⅜ July 5	19¾ July 25	29⅜ Jan 4
8,300	46,800	Mary Carter Paint com	1	—	—	7⅝	Sale	7⅝	Sale	6¾ July 12	8⅜ July 19	6¾ July 12	10½ May 27
30,700	98,000	Class A	1	—	—	6⅜	Sale	5¼	Sale	4⅞ July 3	6½ July 5	4⅞ July 30	8 May 28
8,000	103,200	Maryland Cup Corp	1	27¾	Sale	31¾	Sale	32	Sale	31 July 29	32½ July 18	27¾ Jan 2	35 May 9
26,800	‡38,300	Masco Corp new common	1	—	—	19	Sale	17¾	Sale	17⅜ July 24	19⅜ July 11	‡17⅜ July 24	20⅛ May 28
163,700	571,900	Massey-Ferguson Ltd	*	11⅝	Sale	13¼	Sale	12¾	Sale	12 July 19	14¼ July 12	11⅜ Feb 13	14¼ July 12
6,300	52,700	Maule Industries Inc	3	4½	Sale	7	Sale	7	Sale	7 July 1	7⅛ July 5	4½ Jan 2	7⅛ Apr 29
105,500	1,166,600	McCrory Corp warrants		4½	Sale	3¼	Sale	3⅛	Sale	3⅛ July 2	3⅝ July 12	3 Apr 29	5¼ Feb 6
10,700	‡31,900	McCulloch Oil new com	50c	—	—	9¼	Sale	8½	Sale	8½ July 30	9½ July 3	8½ July 30	10⅛ Jun 3
164,700	1,700,000	Mead Johnson & Co	1	22	Sale	24⅞	Sale	22⅝	Sale	21⅛ July 26	25⅜ July 3	17⅞ Feb 18	28¼ Jun 5
5,000	28,100	Medco Inc class A	10c	—	—	6¾	Sale	6⅛	6½	6 July 2	7 July 17	5¾ Apr 9	8¼ Apr 15
8,500	93,800	Melnor Industries Inc	1	—	—	10	Sale	9¾	Sale	9⅜ July 2	10¼ July 16	9⅜ July 2	12 Jan 23
34,400	517,600	Menasco Mfg Co	1	4½	Sale	5⅜	Sale	5⅞	Sale	5¼ July 1	6 July 12	4⅜ Jan 3	6½ Feb 7
600	9,800	Merchants Refrigerating	1	19½	20½	23⅞	24⅜	23⅛	24	23½ July 26	24⅜ July 9	20¼ Jan 14	24⅞ Apr 4
4,100	39,600	Merrill Island Mining Ltd	1	5/16	⅝	7/16	Sale	7/16	½	7/16 July 1	⅝ July 9	1/16 Jun 26	⅝ Jan 3
1,000	14,400	Miami Extruders Inc	10c	4½	4⅝	5	Sale	4¾	Sale	4⅝ July 8	5 July 1	4½ Jan 3	5½ Feb 27
5,700	74,900	Michigan Chemical Corp	1	11	Sale	12⅜	Sale	12¼	Sale	11⅝ July 22	12¾ July 11	11 Jan 2	13⅞ Feb 25
79,000	1,219,000	Michigan Sugar common	1	2¾	2⅞	7¼	Sale	5¾	Sale	5¾ July 22	7¼ July 1	2⅝ Jan 28	10½ May 21
11,400	157,500	6% preferred	10	11⅝	Sale	14	Sale	13	Sale	13 July 15	14 July 1	11⅜ Jan 4	15¼ May 23
6,900	54,700	Micromatic Hone Corp	1	7¾	8¼	9¼	Sale	9¾	Sale	8½ July 16	10⅛ July 30	7⅞ Jan 23	10½ Jun 13
31,600	235,100	Microwave Associates Inc	1	13¼	Sale	10½	Sale	10¾	Sale	10⅜ July 1	12⅞ July 15	9⅝ Apr 25	15 Jan 24
4,400	45,900	Mid-West Abrasive Co	50c	13	13¼	14⅝	Sale	13½	Sale	13½ July 31	14⅝ July 1	13¼ Jan 3	16¼ Apr 18
900	8,800	Midwest Investment Co	5	19⅝	20	20¼	21	20¾	Sale	20 July 30	20¾ July 31	19⅝ Jan 3	20¾ July 31
36,900	373,000	Midwestern Financial	50c	7⅛	Sale	6½	Sale	6	Sale	6 July 30	6⅞ July 9	5½ Jun 3	8¼ Jan 4
6,400	47,500	Mill Factors Corp	2.50	15⅞	Sale	15½	Sale	15	Sale	15 July 17	15⅞ July 5	15 July 17	16⅞ Feb 15
8,800	42,200	Miller-Wohl Co common	50c	4	Sale	3⅝	Sale	3⅞	Sale	3⅝ July 1	4¼ July 24	3⅜ Jun 25	4⅜ Jan 11
150	1,375	4½% conv preferred	50	31	32	34	35	33	33¾	33⅛ July 16	34 July 3	31¼ Jan 15	36¼ Jun 12
10,000	57,400	Milo Electronics Corp	1	7⅝	Sale	6¾	Sale	6⅞	Sale	6½ July 8	8 July 12	6½ July 8	8½ Jan 14
5,700	20,600	Mining Corp of Canada	*	12⅞	Sale	14½	14¾	16½	Sale	14¾ July 8	17¼ July 1	12⅞ Jan 2	17¼ July 10
175	1,725	Minnesota P&L 5% pfd	100	102	104	102	104	103½	105	102¼ July 8	103½ July 16	102 Jan 10	107 May 21
900	11,000	Mirro Aluminum Co	10c	24⅜	24⅝	25⅜	25⅞	25	25½	24¾ July 25	25⅜ July 2	22½ Apr 4	26¼ Jun 25
8,100	63,800	Missouri-Kansas-Texas ctfs		4¼	Sale	5½	5⅞	5⅝	Sale	5½ July 10	6 July 3	4¼ Jan 2	6⅞ Feb 14
23,000	340,100	Mohawk Airlines Inc	1	4½	Sale	5⅝	Sale	5½	Sale	5¼ July 30	5⅞ July 1	4¼ Jan 24	6⅝ May 3
10,400	86,800	Molybdenite Corp of Can	1	7/16	½	7/16	Sale	7/16	½	⅜ July 8	7/16 July 1	⅜ July 8	11/16 Feb 15
28,800	236,100	Molybdenum Corp of Amer	1	22⅜	Sale	24½	Sale	24⅝	Sale	23⅝ July 23	26 July 9	22 Jan 2	29⅜ May 31
26,000	643,300	Warrants		9¼	Sale	5⅝	Sale	3½	Sale	3⅛ July 12	5⅞ July 2	3⅛ July 12	11⅝ Jan 9
14,900	172,500	Monogram Indus Inc	1	1¾	Sale	1½	Sale	1½	Sale	1⅜ July 2	1⅝ July 12	1⅜ Apr 8	2 Jan 22
620	3,750	Monongahela Power Co— 4.40% cum pfd	100	94	95	96	96¾	96½	Sale	95⅛ July 12	97¼ July 8	94 Jan 8	99 Apr 10
170	1,640	4.80% cum pfd ser B	100	102	103	104½	105½	103¾	105	104 July 17	104¾ July 3	101½ Jan 10	106 May 21
20	450	4.50% cum pfd ser C	100	96	97½	100¼	101¼	103	104	101¼ July 25	103 July 29	97½ Jan 16	103 July 29
810	8,690	Montgomery Ward & Co A	*	155	Sale	159½	160½	161	Sale	159¼ July 15	161 July 31	155 Jan 2	164 Mar 14
18,400	50,900	Morse Electro Products	25c	3⅞	4	2⅜	Sale	2¼	Sale	1¾ July 1	2⅜ July 1	1¾ July 1	4⅜ Jan 9
25,600	158,600	Mt Clemens Metal Products	1	5⅞	Sale	8⅝	Sale	8	Sale	7⅝ July 30	9¼ July 11	5⅛ Feb 1	9⅝ Jun 17
----	1,400	6% preferred	4	3⅞	4	3⅞	4⅛	3⅞	4	— ------	— ------	3⅞ Jan 11	4 Apr 11
3,000	13,200	Mount Diablo Company	1	5¾	Sale	6¼	Sale	7½	7⅞	6¼ July 1	8 July 23	5⅝ Jan 3	8 July 23
2,800	18,900	Mount Vernon Mills Inc.	2.50	13	Sale	16⅛	Sale	16	Sale	15¼ July 22	16⅜ July 3	13 Jan 2	17⅜ May 20
21,800	170,100	Mountain Sts Tel&Tel	12½	26⅝	Sale	28⅝	Sale	27¾	Sale	27⅜ July 26	29⅜ July 8	26¼ Jan 2	31⅞ Apr 19
5,900	23,300	Movielab Inc class A com	1	9¾	Sale	9½	10	10½	Sale	9⅞ July 11	11⅞ July 17	9 May 13	11⅞ July 17
7,700	34,200	Movie Star Inc class A	50c	3½	3¾	3⅝	3⅞	4	Sale	3⅝ July 11	4⅜ July 22	3⅝ Jan 17	4⅜ Apr 2
31,600	99,000	MPO Videotronics class A	1	5¾	Sale	9	Sale	11⅛	11⅜	8⅞ July 5	13 July 11	5¾ Jan 2	13 July 11
38,600	228,100	Muntz TV Inc	1	4⅞	Sale	4¾	Sale	4⅝	Sale	4¼ July 12	4¾ July 1	4¼ July 12	5¾ Feb 11
6,300	68,100	Murray Ohio Mfg Co	2.50	26⅛	Sale	34¾	Sale	35½	Sale	34¾ July 1	35¾ July 31	26 Jan 2	37¼ Jun 3
53,300	209,500	Muskegon Piston Ring	2.50	12⅛	Sale	13⅞	Sale	15⅛	Sale	13½ July 2	15⅞ July 25	12⅛ Jan 2	15⅞ July 25
500	7,100	Muskogee Co	10	44⅜	44¾	47	48	48	Sale	47 July 18	48 July 29	45 Jan 7	49½ Jan 22
13,700	82,100	Muter Company	50c	4	4¼	4½	Sale	4	Sale	4 July 31	4½ July 1	4 Jan 3	5⅛ Mar 11
1,900	33,500	Nachman Corp	5	4⅞	5⅞	5	5¼	5⅛	Sale	5 July 5	5⅛ July 15	4⅞ Feb 19	5⅝ Jan 10
31,500	356,500	Napco Industries Inc	1	6⅝	6¾	7¾	Sale	7⅛	Sale	6⅞ July 23	8⅛ July 5	6⅝ Jan 4	9½ May 24
5,900	99,900	Nat Nast Inc class A	25c	5⅜	Sale	1½	Sale	1⅞	Sale	1½ July 1	1⅞ July 8	1½ Apr 8	5¾ Jan 4
19,300	120,700	Nat Alfalfa Dehydrating & Milling Company	3	9	Sale	9⅛	Sale	10⅞	Sale	9⅛ July 1	11⅜ July 8	7⅝ Feb 13	11⅜ July 8
40,400	271,600	National Bellas Hess	1	7⅜	Sale	6½	Sale	6⅛	Sale	6 July 25	6⅞ July 9	6 July 25	8¼ May 23
6,700	74,300	National Bowl-O-Mat Corp	1	1⅜	1⅝	1	1⅛	1	1⅛	1 July 8	1⅛ July 2	1 Feb 21	1⅝ Jan 10
500	4,900	Natl Brewing Co (Mich)	1	4	Sale	3¼	3½	3¼	Sale	3¼ July 23	3¼ July 23	3¼ July 23	4 Jan 2
1,150	16,850	National Casket Co	5	22	23	24⅛	Sale	23½	24	23¾ July 26	25 July 12	22 Jan 31	28½ Feb 13
3,000	46,800	National Company Inc	1	7	Sale	6¾	Sale	6½	Sale	6½ July 19	7½ July 16	6½ Feb 19	8 Apr 4
2,200	23,100	Nat Elec Welding Mach	1	9	9⅜	12¼	Sale	11⅛	11½	11¼ July 30	12½ July 2	9¼ Jan 3	12½ Jun 25
17,900	127,900	National Equipment Rental	1	11⅜	Sale	11⅞	Sale	11	Sale	10¾ July 26	12⅝ July 9	10 May 1	14¾ Feb 8
214,900	515,900	National Petroleum Ltd	25c	2 1/16	Sale	1¾	Sale	2¼	Sale	1¾ July 1	2⅞ July 15	1 11/16 May 6	2⅞ July 15
4,100	33,500	Nat Presto Industries Inc	2	15⅜	Sale	16	Sale	16⅛	16¾	15⅞ July 23	16⅞ July 9	15⅛ Feb 12	18 Jan 24
14,100	124,100	National Rolling Mills Co	1	5⅝	Sale	11	Sale	10½	Sale	10½ July 31	12⅜ July 16	5⅝ Jan 2	14⅜ Jun 6
7,400	‡40,400	National Rubber Mach	5	—	—	21⅝	Sale	22	Sale	21¼ July 16	22⅜ July 3	‡21 Apr 29	25 May 3
14,600	108,100	Nat Telefilm Associates	10c	1/16	Sale	½	Sale	—	—	⅜ July 3	½ July 1	⅜ Jun 25	1/16 Jan 31
800	10,900	National Transit Co	1	3⅝	3¾	4¼	4⅝	4⅝	Sale	4½ July 2	4⅝ July 31	3¾ Jan 3	4⅝ July 31
15,300	92,600	Natl Union Elec Corp	30c	2⅛	2⅜	2⅜	Sale	2⅛	Sale	2⅛ July 16	2⅜ July 1	2 May 8	2⅞ Jan 15
70,300	791,700	National Video class A	50c	6¾	Sale	13⅞	Sale	13¼	Sale	12½ July 26	14⅞ July 12	6¾ Jan 2	15⅜ Jun 25
12,000	67,800	Nedick's Stores Inc	20c	8⅞	Sale	10⅜	Sale	9⅞	Sale	9⅞ July 31	10⅞ July 3	8⅝ Jan 7	11 Jun 21
5,700	40,100	Needham Packing Co Inc	*	8	Sale	6⅛	Sale	5½	5⅞	5½ July 25	6¼ July 3	5½ May 23	8⅛ Jan 7
4,000	35,800	Nelly Don Inc	2	10⅞	Sale	12¾	Sale	11¾	12	11¾ July 30	12¾ July 1	10⅞ Jan 2	14½ May 17
7,300	73,700	Nestle Le Mur Co	1	12⅜	12¾	14½	Sale	13¾	14	14 July 9	15¼ July 25	10¾ Feb 8	16⅜ Jun 4
23,800	229,700	New Idria Mining & Chemical Co	50c	1/16	Sale	1/16	Sale	½	Sale	½ July 17	⅝ July 3	½ Apr 29	¾ Jan 7
16,000	98,800	New Jersey Zinc	25	31⅛	Sale	29	Sale	31⅜	Sale	29 July 1	31⅞ July 31	28¼ Mar 6	32¼ Apr 9
11,100	131,100	New Mexico & Ariz Land	1	10	Sale	14½	Sale	12⅜	Sale	12 July 23	14½ July 1	9¾ Mar 20	15⅝ Jun 21
230,500	803,000	New Park Mining Co	1	2⅜	Sale	2½	Sale	3¼	Sale	2½ July 1	3¼ July 2	1⅝ Mar 14	3¼ July 2
19,325	62,890	New Process Co	*	38⅞	Sale	58⅛	Sale	77½	Sale	58⅛ July 1	81⅞ July 19	32½ Jan 14	81⅞ July 19
1,500	8,000	N Y Auction Co	*	33½	34	30¼	31	31¼	Sale	30¼ July 2	31¼ July 31	29½ Mar 26	34 Jan 3
7,150	51,143	N Y & Hond Rosario	3.33⅓	36¾	37½	54	Sale	60¼	Sale	53¾ July 15	60¼ July 31	37½ Jan 3	60¼ July 31

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Aggregate Sales in July Shares	Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
14,900	263,500	Noma Corp	1	6⅜	Sale	7¾	Sale	7¼	Sale	7⅛ July 15	7¾ July 1	5⅜ Jan 25	8⅞ Apr 16
16,800	161,300	Noramco Inc	1.25	2	Sale	1⅞	2	2	Sale	1⅞ July 2	2⅛ July 17	1⅞ May 24	3 Feb 7
3,400	85,600	Norfolk Southern Ry Co	1	7½	Sale	8½	8⅞	8¼	8½	8⅛ July 22	8⅝ July 11	7½ Jan 2	10¼ Feb 14
3,100	21,300	North Amer Royalties Inc	1	1⅝	1⅞	1⅝	1¾	1⅞	2	1⅝ July 3	2 July 29	1⅝ Jan 8	2 Mar 15
29,200	225,700	North Canadian Oils Ltd	25	1 1/16	Sale	1 5/16	Sale	1 5/16	Sale	1¼ July 5	1 9/16 July 11	1 1/16 Jan 2	1 11/16 Apr 16
134,500	243,400	Northeast Airlines	1	2¾	Sale	2⅝	Sale	3	Sale	2⅝ July 1	4⅝ July 25	2½ Apr 15	4⅝ July 25
490	3,290	North Pennsylvania RR	50	57	58	64⅛	65	66¼	67	65 July 2	66½ July 11	57½ Jan 16	66½ July 11
520	6,870	North Ind PS 4¼% pfd	100	93½	Sale	93¼	Sale	93¾	94¾	93 July 17	95 July 24	92 Jan 11	96 Mar 6
83,700	701,100	Nor Rankin Nickel Mines	1	3 1/16	¼	5 16	Sale	¼	Sale	¼ July 11	⅜ July 1	¼ Jan 4	1 16 Jan 7
14,800	93,100	Novo Industrial Corp	1	5⅞	Sale	8⅝	Sale	9½	Sale	8¼ July 9	9¾ July 25	5⅞ Jan 2	9¾ July 25
52,700	377,900	Nuclear Corp of Amer	10c	2¼	Sale	1⅝	Sale	1⅝	Sale	1½ July 26	1⅞ July 24	1½ Apr 8	2⅜ Jan 3
12,300	89,000	Oak Manufacturing Co	1	13⅜	Sale	15½	Sale	14½	Sale	14 July 30	16¾ July 11	13 Jan 3	17¼ May 17
219,800	1,918,900	Occidental Petroleum	20c	20⅜	Sale	28½	Sale	28¼	Sale	26⅝ July 23	30 July 5	19⅝ Jan 30	30¼ Jun 17
34,400	445,700	Ogden Corp	50c	5	Sale	5⅝	Sale	5¼	Sale	5 July 26	5⅝ July 1	4¾ Mar 20	6⅜ May 20
17,650	73,050	Ohio Brass Co	1	23¼	Sale	29½	Sale	33	Sale	29⅜ July 1	33 July 30	23¼ Jan 2	33 July 30
870	6,180	Ohio Power 4½% pfd	100	98	Sale	100	Sale	99¾	101	100 July 1	101 July 8	98 Jan 2	101 May 16
4,100	52,900	Old Town Corp common	1	11⅛	11½	9	Sale	9	Sale	8⅝ July 12	9⅛ July 9	7¾ Apr 18	11⅝ Jan 25
1,100	41,100	40c preferred	7	5	5¼	5⅛	Sale	4¾	Sale	4¾ July 25	5⅛ July 1	4¾ Jan 14	6⅛ Jan 25
5,400	44,600	O'okiep Copper Co Ltd— American shares	10c	51	Sale	70¼	Sale	66¾	Sale	63⅞ July 22	73½ July 10	51 Jan 2	74¾ May 14
7,700	31,000	O'Sullivan Rubber Corp	1	6⅞	Sale	5½	5⅝	5	Sale	4⅞ July 29	5⅝ July 9	4⅞ July 29	7⅜ Feb 14
1,400	10,900	Overseas Securities Co	1	10¾	Sale	13⅝	Sale	13½	13¾	13⅜ July 11	13⅞ July 23	10⅜ Jan 4	14¼ Jun 3
3,200	39,500	Oxford Electric Corp	1	3⅝	3¾	4¼	Sale	4	Sale	4 July 11	4¼ July 1	3⅝ Jan 14	4½ Jan 24
13,800	‡70,400	Oxford Mfg Co class A	1	--	--	20¼	Sale	20½	Sale	20⅛ July 1	21⅝ July 10	‡17⅝ May 17	22⅝ Jun 5
2,400	23,800	Pacific Clay Products	8	25½	Sale	34¾	Sale	34¾	Sale	33⅜ July 29	37¼ July 9	25½ Jan 2	37¼ July 9
26,200	119,200	Pacific Coast Co common	1	10	Sale	10	Sale	10	Sale	9⅝ July 26	10¼ July 18	9⅝ July 26	13¼ Feb 27
----	2,345	5% conv preferred	25	20	Sale	20¼	21	20¼	21	-- ------	-- ------	20 Jan 2	22 Mar 19
----	1,300	6% conv 2nd pfd A	25	18¾	19¾	22	23	22	23	-- ------	-- ------	19¾ Jan 8	23 May 6
107,100	358,700	Pacific Coast Props Inc	1	7⅜	Sale	10½	Sale	11	Sale	9⅞ July 11	11½ July 31	7¼ Jan 4	11½ July 31
15,000	116,600	Pacific G&E 6% 1st pfd	25	33⅛	Sale	33⅝	Sale	33⅛	Sale	33⅛ July 24	34⅛ July 3	32⅝ Feb 8	35 Jan 17
3,500	24,100	5½% 1st preferred	25	29⅛	29⅜	30½	Sale	30	Sale	29¾ July 12	30⅝ July 3	29¼ Jan 9	31¼ Jun 4
2,300	16,300	5% 1st preferred	25	27¼	Sale	28	Sale	27⅞	28⅝	27 July 18	29 July 3	26¾ Apr 25	29⅜ Jun 21
9,500	57,200	5% red 1st preferred	25	27¼	Sale	26⅞	Sale	27	Sale	26¾ July 2	27⅜ July 19	26½ Apr 17	27⅜ Feb 1
2,900	20,700	5% red 1st preferred A	25	27	27½	27¼	27½	27⅜	27¾	27 July 18	27⅝ July 30	26¾ Jan 23	27¾ May 2
5,400	33,700	4.80% red 1st preferred	25	26¾	Sale	26⅝	27	26½	27	26⅝ July 23	27⅝ July 11	26 Feb 6	27⅝ July 11
4,000	23,800	4.50% red 1st preferred	25	24¾	25¼	25⅛	Sale	25	25¼	25 July 1	25¼ July 23	24⅝ Feb 15	26 Apr 17
1,700	14,500	4.36% red 1st preferred	25	24⅛	24½	24⅜	24¾	24¼	24¾	24⅛ July 11	24⅝ July 25	24⅛ Jan 9	25⅛ Jan 28
25,000	126,600	Pacific Industries Inc	2	4	Sale	3¾	Sale	4¼	Sale	3⅝ July 5	4¾ July 16	3½ May 2	5⅛ Jan 9
3,450	18,790	Pacific Lighting $4.50 pfd	*	99⅝	Sale	99½	Sale	100	Sale	99 July 8	101 July 25	98¾ Jun 19	101 Jan 30
490	3,220	$4.40 div cum pfd	*	96	96¾	98	Sale	97½	Sale	96½ July 8	98¼ July 5	96¼ Jan 7	99¼ Jun 13
770	7,340	$4.75 div preferred	*	102	102¼	102	102¾	102	102¾	102 July 5	103 July 26	101¼ Mar 15	104½ Jan 28
30	1,340	Conv $4.75 div pfd	*	156	162	146	153	149¼	153¼	148 July 19	149¼ July 17	140 May 7	163½ Jan 24
970	6,530	$4.36 div preferred	*	95¼	95¾	96½	97¼	96½	Sale	95¾ July 19	96¾ July 5	95⅛ Jan 11	98⅜ Apr 3
9,300	81,300	Pacific Northern Airlnes	1	3⅛	Sale	3½	Sale	3½	Sale	3¼ July 16	3½ July 1	3 Jan 22	4 May 27
39,200	225,500	Pacific Northw't Bell Tel	11	23¾	Sale	23⅞	Sale	24	Sale	23½ July 8	24 July 3	22⅝ Jun 19	26¾ Feb 19
205,300	2,852,100	Rights		--	--	31 32	Sale	--	--	1 8 July 1	1 July 1	1 8 Jun 19	1 1/16 May 31
22,700	207,800	Pacific Petroleums Ltd "wts"		6⅛	Sale	6¾	Sale	6	6⅛	5¾ July 19	7 July 2	5¾ Feb 28	8⅝ May 10
400	7,660	Pacific Pwr & Lt 5% pfd	100	103	103⅞	104¾	Sale	104¾	105¼	103¼ July 22	104¾ July 1	102½ Feb 5	106¾ May 29
900	10,100	Packer's Super Markets	1	3¾	3⅞	3⅞	4⅛	4¼	4½	3⅞ July 8	4¼ July 12	3¾ Jan 3	4⅝ Mar 6
50,700	272,100	Paddington Corp cl A	50c	56	Sale	56	Sale	57¼	Sale	51⅜ July 24	59 July 30	51⅜ Mar 1	66½ May 22
5,300	51,900	Page-Hersey Tubes Ltd	*	19⅜	Sale	18¾	19⅛	18⅜	Sale	18 July 19	19⅜ July 5	18 July 19	21¾ Jan 8
6,100	61,100	Pall Corp class A	1	36⅝	Sale	38¼	Sale	36	36⅜	35½ July 24	38⅝ July 5	35½ July 24	42½ Jun 3
27,100	264,300	Pancoastal Petroleum vtc 2B		½	Sale	7 16	½	7 16	Sale	7 16 July 3	½ July 3	7 16 Jan 3	11 16 Jan 8
6,700	55,000	Pantasote Co	1	3⅝	Sale	3⅞	Sale	3⅜	Sale	3¼ July 16	3⅞ July 1	3⅛ Apr 26	4⅜ Jan 24
1,300	22,400	Park Chemical Company	1	5⅞	Sale	7½	7¾	7⅛	7⅜	7⅜ July 19	7¾ July 5	5⅞ Jan 2	9 Feb 18
9,000	37,200	Park Electrochemical A	10c	8	8½	8½	Sale	8⅞	Sale	8 July 2	9½ July 11	6½ May 9	9½ July 11
5,000	13,800	Parker Pen Co class A	2	19½	19¾	24	Sale	24⅞	Sale	24 July 1	24⅞ July 31	19¾ Jan 3	24⅞ July 31
14,500	34,700	Class B	2	19	19½	23⅝	Sale	24½	Sale	23⅝ July 1	24⅞ July 29	19¼ Jan 7	24⅞ July 29
31,700	207,800	Parkersburg-Aetna Corp	1	8¾	9	9¾	Sale	10½	Sale	9¾ July 1	10⅞ July 24	8¾ Jan 8	11 Mar 8
21,200	43,200	Parvin Dohrmann Co— New common	50c	--	--	15	Sale	14⅜	Sale	14 July 10	15⅜ July 24	11½ Jun 25	16 Jun 27
175	600	New $2.50 conv pfd	2.50	--	--	56	Sale	56	57	56 July 1	57 July 10	54¾ Jun 24	57 Jun 28
15,400	79,500	Pato Cons Gold Dredging	1	3 1/16	Sale	3 3/16	Sale	3	3⅛	3 July 24	3¼ July 2	3 Jan 15	3⅝ Jan 31
1,900	12,900	Penn Traffic Co	2.50	7⅛	7½	7	7⅛	6¾	7	6⅞ July 5	7 July 22	6⅞ Apr 1	7½ May 17
27,500	539,000	Pentron Electronics Corp	1	2⅛	Sale	2⅛	Sale	2	Sale	1¾ July 10	2⅛ July 1	1½ Apr 9	2½ Jan 9
3,100	29,800	Pep Boys (The)	1	11⅞	12¼	12	Sale	11¾	12	11⅝ July 26	12⅜ July 11	11½ Apr 4	13½ Apr 26
3,900	23,400	Pepperell Mfg Co (Mass)	20	71¾	72½	80	Sale	83¾	Sale	79½ July 3	84 July 23	72¼ Jan 3	84 July 23
4,500	23,200	Pepsi-Cola Bottling Co of Long Island Inc	25c	9¾	Sale	8½	8¾	9½	Sale	8¼ July 8	10 July 17	8¼ Mar 12	10 Jan 10
1,100	69,300	Perfect Circle Corp	2.50	28¾	Sale	43⅜	Sale	--	--	43¼ July 1	43⅜ July 1	28¼ Jan 3	44¼ Jun 28
24,200	648,000	Perfect Photo	*	5	Sale	5	Sale	4⅜	Sale	4⅜ July 30	5 July 1	4⅜ July 30	7⅛ Jan 21
39,900	506,200	Permian Corporation	10c	12⅞	Sale	14¾	Sale	13⅛	Sale	12⅝ July 24	14¾ July 1	12¼ Feb 19	16 Apr 15
18,000	182,700	Peruvian Oils & Minerals	1	¾	Sale	1 16	¾	1 16	Sale	⅝ July 3	¾ July 2	⅝ Feb 7	⅞ Apr 8
219,500	383,800	Phillips-Eckardt Elec	1	5⅝	Sale	5⅝	Sale	8	Sale	5⅝ July 1	8⅝ July 30	5⅜ Apr 10	8⅝ July 30
57,500	102,500	Phillips Electronics & Pharmaceutical Industries	5	25	Sale	25¼	Sale	31⅞	Sale	24¾ July 1	34 July 25	23½ Apr 11	34 July 25
3,700	19,300	Philippine Long Dist Tel	5	4	Sale	4½	Sale	4¾	Sale	4½ July 1	4¾ July 31	3¾ Jan 9	4¾ July 31
1,900	19,800	Phillips Screw Company	10c	3⅞	4	4⅛	4⅜	4¼	Sale	4 July 16	4¼ July 22	3⅞ Jan 4	4⅞ May 29
50,000	198,700	Phoenix Steel Corp (Del)	4	11⅜	Sale	11⅜	Sale	13½	Sale	10⅝ July 15	13⅞ July 31	9½ Apr 4	13⅞ July 31
4,000	29,600	Piasecki Aircraft Corp	1	6⅜	Sale	6⅞	Sale	--	--	6¼ July 8	6⅞ July 1	5⅞ Jan 16	8¾ Apr 30
2,500	56,100	Pierce Industries Inc	1	7	7¼	6⅞	Sale	6⅝	6⅞	6⅝ July 25	7 July 3	6½ Apr 30	8½ Feb 18
2,800	40,000	Pioneer Plastics Corp	1	9⅜	Sale	8⅞	Sale	8⅞	Sale	8¾ July 5	9⅛ July 8	8¾ Mar 25	10 Jan 10
2,350	‡21,250	Pitts & Lake Erie RR	50	104½	106½	114	Sale	112½	Sale	112 July 26	115 July 5	105 Jan 7	116½ May 31
31,500	225,700	Pittsburgh Railways Co	*	23¼	Sale	29½	Sale	29½	Sale	29⅛ July 31	32¾ July 18	21½ Jan 17	32¾ July 18
26,000	68,200	Plant Industries Inc	50c	---	—	2½	Sale	3⅛	Sale	2⅜ July 2	3⅞ July 25	2¼ Jun 21	5 Jan 11
3,000	30,600	Plastic Materials & Polymers Inc	10c	3½	Sale	3¼	3½	3¼	Sale	3⅛ July 3	3⅜ July 10	2⅞ Apr 26	4⅛ Feb 19
9,800	51,200	Plume & Atwood Mfg Co	*	8⅜	8⅝	8⅞	Sale	9⅞	Sale	8¾ July 2	10¼ July 17	7⅝ Apr 3	10⅜ Apr 10
200	5,900	Pneumatic Scale Corp	10	34¼	35¾	38¾	40	37	38	38 July 8	38¾ July 5	33 Apr 15	41 Jun 10
27,800	216,300	Polarad Electronics	50c	4½	Sale	4	4¼	4⅛	Sale	4 July 2	4⅞ July 16	4 Apr 2	6 Jan 23
23,800	42,100	Poloron Products class A	1	1½	1¾	2⅜	2½	2⅝	Sale	2⅛ July 12	2⅞ July 16	1½ Jan 7	2⅞ July 16
1,700	57,900	Polycast (The) Corp	2.50	4¾	Sale	3¾	Sale	3¼	3½	3⅜ July 30	3¾ July 1	3 Jun 20	6⅞ Feb 27
1,700	9,700	Polychrome Corp	1	--	--	6⅝	Sale	6	6¼	6 July 24	6¾ July 5	6 July 24	7⅞ Apr 29
3,800	33,400	Polymer (The) Corp cl A	1	12⅞	Sale	13	13¼	12⅜	Sale	12⅜ July 31	13½ July 15	11⅛ Apr 10	13⅞ May 27
300	5,000	Powdrell & Alex'er (Del)	2½	9¼	10¼	13½	14½	14½	15	14⅛ July 12	15 July 30	9½ Jan 15	15 July 30
7,400	72,800	Power Corp of Canada	*	--	--	8 7/16	Sale	8 9/16	Sale	7½ July 19	8⅞ July 5	7½ July 19	9⅞ May 17
10,900	247,200	Prairie Oil Royalties Ltd	1	2 1/16	Sale	2⅝	Sale	2⅝	Sale	2 1/16 July 1	2⅞ July 12	2½ Jun 20	3⅞ Feb 15
1,300	13,000	Pratt & Lambert	*	31	Sale	33	Sale	31¼	31¾	31¾ July 30	33½ July 2	30¼ Jan 10	35½ Jun 10
4,900	47,500	Precision Microwave Corp	1	2½	Sale	1½	Sale	1¼	1½	1¼ July 24	1⅝ July 3	1¼ July 24	3⅛ Jan 24
1,200	13,200	Precisionware Inc	1	3¼	Sale	3½	Sale	3½	Sale	3½ July 1	3⅝ July 9	3⅛ May 1	3⅞ Feb 18
26,200	139,700	Prentice-Hall Inc	66⅔c	34½	Sale	31½	Sale	31¾	Sale	30¼ July 19	31⅞ July 1	29 Jun 6	37 Jan 17
1,800	30,400	Presidential Realty— Class A	10c	8⅜	Sale	8	Sale	7⅝	7⅞	7¾ July 19	8 July 1	7⅝ Apr 5	8¾ Jan 18
7,600	58,700	Class B	10c	8⅛	Sale	8	Sale	7½	7¾	7⅛ July 29	8 July 1	7⅛ July 29	8⅝ Jan 18
9,400	137,800	Preston Mines Ltd	*	6⅜	Sale	8⅛	Sale	7 13	Sale	7⅝ July 19	8⅛ July 1	6 5/16 Jan 3	9¼ Jun 3
10,900	130,800	Proctor-Silex (The) Corp	1	3⅞	Sale	5	Sale	4½	4¾	4⅝ July 2	5 July 1	3⅝ Jan 21	5⅝ Jun 25
15,400	163,800	Progress Mfg Company Inc	1	10⅛	Sale	14	Sale	14¾	Sale	13¾ July 5	15¼ July 15	10⅛ Jan 2	15½ May 16
400	7,600	$1.25 conv preferred	20	20⅛	21¾	23⅜	24⅛	23⅝	Sale	23⅜ July 3	23½ July 10	21¾ Jan 17	23¾ Mar 29
4,700	48,200	Prophet (The) Company	1	23¾	24	22¾	Sale	22½	23	22½ July 9	23¾ July 11	22¼ Jun 27	25⅝ Feb 27
3,200	45,100	Providence Gas Co	*	12½	Sale	13⅝	14	13⅝	Sale	13⅝ July 8	14 July 23	12¼ Jan 21	14⅜ Apr 18
650	5,420	Public Service of Colorado— 4¼% cum preferred	100	93¾	95	95¾	Sale	94¾	95½	94⅛ July 23	96 July 2	92½ Mar 1	96 July 2
2,900	44,800	Puerto Rico Telephone	20c	49¼	50	66½	67	65¾	Sale	65¼ July 31	68¾ July 5	49¼ Jan 4	69¾ Jun 12
4,900	29,100	Puritan Sportswear Corp	*	9	Sale	12⅛	Sale	11¾	12	11⅞ July 26	13¾ July 10	9 Jan 2	13¾ July 10
72,700	351,700	Pyle-National Co	5	26⅛	Sale	34¼	Sale	38¼	Sale	33⅝ July 1	39¼ July 31	23⅛ Mar 19	39¼ July 31
10,500	131,500	Quality Importers Inc	1	8¾	Sale	13	Sale	11⅜	Sale	10½ July 25	13⅛ July 5	8½ Feb 26	14¼ May 16
7,700	40,800	Quebec Lithium Corp	1	2¼	2⅜	2¼	2⅜	2 1/16	Sale	2 1/16 July 30	2 5/16 July 5	2 1/16 July 30	3⅛ Jan 21
----	3,025	Quebec Power Company	*	32¾	Sale	32¾	36	32½	36½	-- ------	-- ------	32½ Jan 3	34 Feb 28

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Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
141,800	438,700	Radiation Inc	25c	8½	Sale	11½	Sale	14⅜	Sale	11¼ July 1	16 July 8	8½ Jan 2	16 July 8
400	7,900	Ramco Enterprises Inc cl A	*	10¾	Sale	10⅞	11	10⅝	11	10⅝ July 25	10⅝ July 25	10½ Feb 11	11¼ Jan 8
9,700	214,500	Ramer Industries Inc	20c	8¾	Sale	7¼	Sale	6⅛	6¼	6⅛ July 29	7¼ July 1	5⅛ May 1	9¼ Jan 8
13,700	319,800	Ramo Inc class A	1	6¾	7	11	Sale	10½	Sale	10⅜ July 1	11¾ July 3	6¾ Jan 3	16 Feb 19
24,100	649,700	Rapid American Corp	1	18	Sale	7⅝	Sale	7¼	Sale	7¼ July 17	8 July 11	6⅛ May 16	19⅝ Feb 6
6,700	85,000	Rath Packing Co	10	11⅛	Sale	12	Sale	10½	10¾	10⅛ July 23	12 July 1	10⅛ July 23	14½ Feb 25
185,100	461,100	Rayco Inc	40c	23¼	Sale	48¼	Sale	50¾	Sale	46⅜ July 1	58⅛ July 8	23 Mar 1	58⅛ July 8
6,800	108,500	Real Estate Investment Trust of America	1	20¼	Sale	22¾	Sale	21⅛	Sale	21 July 19	22¾ July 1	19⅜ Jan 22	23⅜ May 16
8,600	175,900	Real Properties Corp of America class A	1	9¼	Sale	6¾	Sale	6¾	Sale	6⅝ July 9	6⅞ July 1	5⅞ Apr 24	9¼ Jan 2
2,200	49,500	Realty Equities of N Y	1	7⅛	7⅜	6⅜	6⅝	6⅛	6¼	6¼ July 2	6½ July 2	6¼ Jun 11	7⅝ Jan 4
2,000	29,300	Warrants		1⅝	1¾	1⅜	1½	1⅛	1¼	1¼ July 9	1⅜ July 8	1¼ July 9	2 Feb 1
600	5,700	Reda Pump Company	1	27	28	28⅝	29¼	28¼	Sale	28¼ July 31	29 July 19	27 Jan 21	30½ May 21
232,200	327,400	R. E. D. M. Corp	25c	—	—	7	Sale	7¾	Sale	6½ July 3	9⅜ July 10	5⅜ May 13	9⅜ July 10
9,100	70,000	Reeves Broadcasting & Development Corp	1	2⅛	2⅜	3½	Sale	2¾	2⅞	2½ July 26	3½ July 11	2⅛ Jan 3	3⅝ Jun 5
149,900	430,100	Reeves Industries Inc	5c	3⅜	Sale	3½	Sale	4	Sale	3 July 17	4½ July 29	2⅞ May 27	4½ July 29
4,400	78,400	Reis (Robert) & Co	1	⅝	Sale	1⅛	Sale	⅝	1⅛	⅝ July 2	¾ July 3	⅝ Jan 2	1⅛ Jan 8
30,500	‡144,800	Reliance Insurance	5	—	—	43½	Sale	43⅝	Sale	42⅜ July 24	46⅛ July 12	‡41 Apr 19	46⅛ July 12
10,100	121,100	Remington Arms Co Inc	1	11	Sale	12	12¼	12	Sale	12 July 17	12¼ July 2	11 Jan 2	13¾ Apr 3
10,200	26,900	Republic Foil Inc	1	15½	15¾	14½	Sale	18½	Sale	14½ July 1	19½ July 31	14 Mar 11	19½ July 31
46,600	270,700	Republic Industrial Corp	1	3¾	Sale	5¼	Sale	5⅝	Sale	5 July 25	5⅝ July 31	3⅝ Jan 3	5⅝ July 31
5,400	69,400	Republic-Transcon Indus	*	4⅛	Sale	4½	4¾	4⅜	Sale	4⅛ July 31	5 July 3	4 Apr 4	5⅜ Jan 14
18,100	91,100	Resistoflex Corp	1	14¼	Sale	14⅝	Sale	16	Sale	14½ July 5	16¾ July 15	14¼ Jan 2	18¾ Jan 30
16,200	131,600	Restaurant Assoc't's Inc	10c	8½	Sale	8½	Sale	7¼	Sale	7¼ July 31	8½ July 1	6⅜ Jun 10	9⅛ Jun 20
167,700	3,191,900	RIC Group Inc	1	—	—	12½	Sale	11½	Sale	10½ July 30	12⅝ July 3	4⅜ Jan 2	14½ Jun 4
2,500	16,700	Rico Argentine Mining	50c	1⅝	1⅞	2½	2¾	2⅝	Sale	2½ July 9	2⅝ July 11	1⅝ Jan 16	2¾ Jun 3
----	17,200	Ridgeway Corp	1	6¼	6¾	7¼	8	7½	8¼	-- ------	-- ------	6⅝ Jan 8	8¾ Mar 11
43,300	238,900	Rio Algom Mines Ltd	*	10¾	Sale	12¾	Sale	12⅜	Sale	11 July 19	13 July 5	10⅝ Jan 2	14 May 9
18,200	348,800	Warrants series A		⅜	1/16	1/16	½	⅜	Sale	⅜ July 8	7/16 July 2	⅜ Jan 3	½ Jan 22
42,600	217,000	Rio Grande Valley Gas— Vtc extended	1	4⅞	Sale	5⅛	Sale	6½	Sale	5⅛ July 1	6⅝ July 31	4⅞ Jan 2	6⅝ July 31
7,900	45,500	Ritter Finance Co Inc— Class B common	1	4⅝	Sale	5	Sale	5⅛	Sale	4⅞ July 1	5¼ July 23	4⅝ Jan 2	5⅞ Jan 25
8,100	107,100	Robinson Technical Prod	20c	8¾	Sale	6⅝	Sale	6⅜	Sale	6¼ July 30	7 July 11	6¼ July 30	9⅞ Jan 8
580	4,040	Rochester Gas & Electric— 4% preferred F	100	85⅛	Sale	88½	Sale	87¾	Sale	87¼ July 15	88¾ July 1	85 Jan 3	89½ Jan 23
900	10,100	Rodney Metals Inc	1	4⅛	4⅜	4	4¼	4	4⅛	4 July 29	4 July 29	4 Apr 22	5¼ Jan 21
3,600	24,000	Rogers Corporation	*	11¾	12	11¾	12¼	12⅛	12½	11⅝ July 9	13 July 11	11½ Apr 2	14¼ Apr 29
4,500	35,600	Rollins Broadcasting Inc	1	14	Sale	17½	Sale	16⅞	Sale	15½ July 17	17¾ July 8	13¼ Jan 24	17¾ Apr 16
1,400	6,700	Rolls-Royce Ltd— American dep rcts reg	£1	3½	3⅞	4⅛	4¾	5	Sale	4⅛ July 2	5 July 31	3¾ Jan 21	5 July 31
1,500	26,300	Roosevelt Field Inc	1.50	5	Sale	4	4⅜	3⅞	4	3⅞ July 8	4 July 3	3¼ Jun 6	6 Jan 15
11,600	‡36,600	Roosevelt Raceway	1.20	—	—	13¾	Sale	13⅝	Sale	13½ July 1	13⅞ July 11	‡13½ July 1	16 Apr 18
6,200	46,200	Rosenau Brothers Inc	1	7⅝	8	8⅜	Sale	9¼	Sale	8¼ July 8	9¼ July 15	7¼ Mar 22	9¼ July 15
10,200	145,300	Ross Products Inc	1	4⅛	4⅜	6⅛	6⅜	5⅝	Sale	5⅜ July 23	6⅜ July 11	3⅝ Mar 1	8 Jun 10
4,300	34,300	Rowland Products Inc	5	8¾	Sale	9⅝	Sale	8⅞	Sale	8¾ July 18	10 July 2	7 Feb 11	10⅜ Jan 7
2,400	38,700	Roxbury Carpet Co	1	11	Sale	10¼	10½	9¾	10	10 July 8	10¼ July 3	10 Mar 5	12⅜ Feb 19
36,100	174,300	Royal American Indus	50c	2⅛	Sale	2⅛	Sale	1¾	Sale	1⅝ July 25	2⅛ July 1	1⅝ July 25	3⅛ Mar 25
21,100	76,800	Royal School Laboratories	1c	11⅞	Sale	10⅝	Sale	9	Sale	9 July 31	10⅞ July 15	9 Jun 10	12⅞ Jan 10
4,400	49,800	Royalite Oil Co Ltd	*	13½	Sale	10	10½	10⅛	Sale	9¾ July 22	10½ July 3	9¾ July 22	13½ Jan 2
23,600	287,800	Rusco Industries	1	3¾	Sale	4	Sale	3⅞	Sale	3¾ July 8	4 July 1	3⅝ Jan 2	5¼ May 13
48,400	259,400	Russeks Fifth Ave Inc	50c	2¼	Sale	3	Sale	3¼	Sale	3 July 1	3¾ July 12	2¼ Jan 2	4 May 31
33,300	247,400	Russ Togs Inc class A	1	15⅛	Sale	16¼	Sale	15⅝	Sale	15½ July 30	17⅜ July 11	14⅞ Jan 2	17⅝ May 8
8,500	91,400	Ryan Consol Petroleum	1	3⅛	Sale	2½	Sale	2⅞	Sale	2½ July 1	2⅞ July 1	2 Jun 26	3½ Jan 27
12,800	38,000	Ryerson & Haynes	1	3½	3¾	4	Sale	4⅛	Sale	4 July 1	4⅜ July 3	3 Mar 18	4½ Jun 21
4,600	16,300	St Lawrence Corp Ltd	*	20⅝	20⅞	20⅝	20¾	19⅞	20½	20⅛ July 25	20⅝ July 2	20⅛ July 25	21 Mar 19
4,700	48,600	Salem-Brosius Inc	2.50	2⅝	Sale	2⅝	Sale	2⅜	Sale	2¼ July 18	2⅝ July 1	2¼ July 18	3¼ Jan 9
7,800	185,000	San Carlos Milling Co Ltd	16 pesos	7¼	7½	17½	Sale	14⅛	Sale	13⅜ July 22	18 July 3	7⅜ Jan 7	24 May 21
2,300	12,400	San Diego Gas & Elec Co— Cum pfd 5% series	20	21⅞	22	21½	Sale	21½	21⅞	21½ July 1	22¼ July 18	21½ Mar 20	23 Apr 9
900	5,000	Cum pfd 4½% series	20	19¼	20	20½	20⅞	20	20⅞	19½ July 19	19¾ July 8	19½ Jan 28	20⅜ May 16
300	5,800	Cum pfd 4.40% series	20	19¼	20	19¾	20⅜	19½	20	20½ July 2	20½ July 2	19½ Jan 4	22½ Apr 5
13,400	126,400	Sarcee Petroleums Ltd	50c	⅞	1⅛	1	1⅛	1	Sale	1/16 July 9	1 1/16 July 2	1/16 Jan 4	1 5/16 Jan 28
6,800	62,800	Savage Arms Corp	*	5	Sale	8¾	Sale	--	--	8⅝ July 5	9⅜ July 11	5 Jan 2	9⅜ July 11
10,500	101,900	Savoy Industries Inc	25c	8⅛	8⅜	10⅞	Sale	10⅜	Sale	10¼ July 19	10⅞ July 1	8⅛ Jan 3	11¾ Apr 22
5,500	32,800	Saxon Paper Corp com	25c	5⅛	5½	5⅜	Sale	5¼	Sale	5 July 25	5½ July 3	4⅞ May 17	5⅞ Mar 8
2,800	30,700	6% conv preferred	10	9⅝	Sale	10	Sale	10	Sale	9¾ July 19	10¼ July 25	9¼ Mar 27	10½ May 15
12,300	154,000	Sayre & Fisher Co	1	3⅞	Sale	4¼	Sale	4¼	Sale	3⅞ July 25	4⅝ July 8	3⅞ Jan 2	5½ Mar 4
8,300	140,300	Screen Gems Inc	1	17¼	18	22¾	Sale	21⅜	Sale	20¾ July 24	23 July 9	16¾ Feb 28	25⅜ May 8
157,900	1,091,750	Scurry-Rainbow Oil Ltd	3.50	9¼	Sale	14⅜	Sale	16⅛	Sale	13⅛ July 24	16¾ July 31	9¼ Jan 2	16¾ July 31
2,000	48,300	Seaboard Allied Mill'g Cp	1	6⅛	6½	7¾	Sale	7⅝	Sale	7⅛ July 15	7⅞ July 2	6¼ Jan 9	8¾ Apr 23
4,600	45,600	Seaboard Plywood & Lum	1	2⅞	3	2⅝	Sale	2½	2⅝	2½ July 2	2⅝ July 1	2½ Jun 6	4½ Feb 21
135,600	1,380,700	Seaboard World Airlines	3	5⅝	Sale	5⅞	Sale	5⅜	Sale	5⅛ July 17	5⅞ July 1	4¾ Mar 11	6½ Jan 22
12,300	60,600	Sealectro Corp	25c	6⅞	7	6⅛	Sale	6⅛	6½	5⅞ July 8	7½ July 15	5¾ Jun 14	9⅛ Jan 28
5,000	55,600	Season-All Industries Inc	1	—	—	7½	Sale	7⅞	Sale	7½ July 1	7⅞ July 10	7 Mar 21	12 Jan 16
6,100	40,000	Security Freehold Petrol	*	6⅜	Sale	6¾	7	6⅝	Sale	6⅜ July 19	6⅞ July 11	6 Feb 13	7 11/16 Apr 29
57,100	659,200	Seeburg (The) Corp	1	13¼	Sale	18¾	Sale	18⅝	Sale	18⅛ July 25	20¼ July 11	13 Jan 2	21¼ Jun 24
71,000	457,200	Seeman Bros	3	9¾	Sale	9	Sale	8¼	Sale	7¾ July 26	10½ July 5	7¾ July 26	11¾ Jan 24
14,600	65,300	Seligman & Latz Inc	1	13½	Sale	16½	Sale	16	Sale	16 July 26	18⅞ July 10	12½ Feb 28	18⅞ July 10
23,200	229,600	Servo Corp of America	1	4¼	Sale	6	Sale	5⅛	Sale	5⅛ July 31	6¾ July 5	4 Mar 13	7¾ Jun 25
5,500	89,100	Servomechanisms Inc	20c	4	Sale	4⅛	Sale	3⅞	Sale	3¾ July 15	4⅛ July 1	3½ Mar 20	5¼ May 1
8,100	38,530	Seton Leather	*	11¼	11¾	15 5/16	Sale	14½	Sale	12⅞ July 11	15⅞ July 1	10⅝ Apr 19	16¼ Jun 26
8,400	36,200	Shaer Shoe Corp	1	—	—	7⅜	Sale	7⅛	Sale	7⅛ July 31	8¼ July 15	6⅞ Jun 7	9½ Mar 14
88,800	243,600	Shattuck Denn Mining	5	5	Sale	7⅝	Sale	8⅞	Sale	7⅝ July 1	9 July 15	5 Jan 2	9 July 15
500	365,100	Shawinigan Water & Pwr	*	27⅜	Sale	25	27⅞	22	28	26¼ July 29	27⅝ July 9	26¼ July 29	28 Feb 27
17,700	149,500	Sherwin-Williams Co	12.50	80¼	Sale	82	Sale	79⅝	Sale	78⅛ July 30	85¾ July 11	74¾ Feb 12	89½ Jun 3
190	1,210	4% preferred	100	94¾	96	97½	99	98	98½	97½ July 15	98¼ July 8	96 Jan 11	100 Jun 7
25	2,275	Sherwin-Williams of Can	*	21¾	23	23	23⅞	22¼	23¼	23¼ July 3	23¼ July 3	23 Mar 26	25 Jan 25
23,800	191,700	Siboney-Caribbean Pet	10c	¼	Sale	¼	5/16	1/16	Sale	1/16 July 26	5/16 July 16	1/16 May 29	⅜ Apr 1
148,400	1,291,600	Signal Oil & Gas class A	2	26¼	Sale	26⅞	Sale	27⅝	Sale	26⅛ July 15	28¾ July 26	25 Mar 6	31⅞ May 22
600	2,375	Class B	2	26¾	28	27¾	28½	28	28¾	27 July 15	28½ July 26	26¼ Mar 7	32½ May 22
14,000	62,900	Silicon Transistor Corp	20c	4⅜	Sale	4¼	4½	4⅜	Sale	4⅛ July 8	5⅛ July 12	3⅝ May 7	5⅛ July 12
240,600	640,400	Silver Creek Precision	10c	¾	Sale	7/16	Sale	½	Sale	⅜ July 1	¾ July 26	⅜ July 1	11/16 Jan 18
6,400	71,900	Silvray Lighting Inc	25c	1⅝	1⅞	2⅞	Sale	2⅜	Sale	2¼ July 29	2⅞ July 1	1¾ Jan 14	3⅛ Jun 20
400	7,000	Simca Automobiles— Amer dep receipts	100f	44½	46	29	36	30	34	31 July 11	34 July 2	31 July 11	49¼ Jan 22
700	7,000	Simmons-Boardman Publish Corp $3 conv preferred	*	14¼	Sale	17½	Sale	15¾	17	15 July 3	18¼ July 11	12½ Mar 25	21 Jun 19
		Simpson's Ltd common	*	27⅜	27⅞	30¾	31	30½	31	30½ July 19	32¼ July 10	28 Jan 3	32½ Jun 12
3,500	35,700	Sinclair Venezuelan Oil	1	41¼	Sale	51¼	52¼	54	Sale	51¼ July 2	54¼ July 15	41¼ Jan 2	60 Apr 29
2,590	36,600	Singer Mfg Ltd—											
1,100	5,700	Am dep rcts ord reg shs	£1	5½	5⅞	5½	5¾	5⅛	5⅜	5 July 25	5½ July 11	5 July 25	6 Mar 28
45,000	138,200	Skyline Homes Inc cl A	50c	—	—	22⅝	Sale	32½	Sale	22⅝ July 1	38½ July 25	11 Jan 18	38½ July 25
8,900	100,300	Slick Airways Inc	*	6⅛	6½	5¼	Sale	4⅝	Sale	4½ July 26	5¼ July 1	4½ July 26	7⅛ Jan 8
4,100	36,300	Sonotone Corp	1	7½	Sale	6½	6⅞	6⅛	Sale	6⅛ July 24	6⅞ July 2	6⅛ July 24	8¼ Jan 14
6,000	65,200	Soss Manufacturing Co	1	16	Sale	16⅛	Sale	14⅝	Sale	14⅝ July 31	16⅛ July 1	14⅝ July 31	17⅞ Jun 13
8,600	129,600	South Coast Corp	1	27¾	Sale	32¼	Sale	31½	Sale	31½ July 19	35¾ July 5	27⅛ Jan 3	40½ May 21
16,600	193,900	South Penn Oil Co	12½	31⅝	Sale	38¼	Sale	—	—	38 July 1	40¼ July 5	31½ Jan 2	40½ May 22
		South Penn Oil Co Name changed to Pennzoil—now on NYSE											
1,050	10,700	Southern Calif Edison— 5% original pfd	8.33⅓	29	29¾	30	30½	29	Sale	28½ July 23	30 July 5	28½ July 23	33 May 16
1,700	17,600	4.78% cum preferred	25	26½	Sale	26¼	Sale	26¼	26¾	26¼ July 1	26⅝ July 24	26⅛ Feb 28	27¼ Jan 24
400	600	4.56% conv preference	25	87½	—	x88⅝	Sale	--	--	86⅝ July 23	88⅝ July 1	86⅝ July 23	90⅜ Jun 24
5,000	13,600	4.48% conv preference	25	81⅜	90	x83½	Sale	--	--	79¾ July 18	83¼ July 1	79¾ July 18	86¾ Jan 30
10,800	46,700	4.32% cum preferred	25	23¾	Sale	24½	Sale	23½	23⅞	23¼ July 10	24⅝ July 1	23⅛ Apr 11	25 Feb 12
3,000	18,700	4.24% cum preferred	25	23⅝	23¾	24⅛	Sale	23¾	24⅝	24 July 3	24½ July 30	23½ Feb 28	25 Jan 30
1,000	5,300	4.08% preferred	25	22½	23¼	23½	Sale	22⅝	22¾	23 July 19	23½ July 1	22⅝ Feb 15	23½ Jan 24
10,900	57,500	Southern Calif Petroleum	2	18¼	Sale	16½	Sale	18⅞	Sale	16⅜ July 1	19⅜ July 31	16 Apr 11	19⅜ July 31
4,900	54,900	Southern Realty & Util	1	2⅝	Sale	2¾	Sale	2¾	2⅞	2⅝ July 19	3 July 2	2⅝ Jan 2	4¼ Feb 26
700	7,600	Southland Royalty Co	5	75	77	78¼	80	79¾	Sale	78¼ July 19	79¾ July 30	74½ Mar 4	80 Apr 24

For footnotes, see page 96.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
		Speed-O-Print Business											
3,300	47,100	Machines Corp	1	11¾	Sale	11⅝	Sale	10¼	10¾	10⅛ July 25	12 July 2	10 Mar 22	14⅞ Apr 23
3,500	44,600	Speedry Chem Prod cl A	50c	5½	5⅞	3⅞	Sale	3¾	Sale	3½ July 29	4 July 5	3½ July 29	6¾ Jan 22
8,500	77,100	Spencer Shoe Corp	1	9⅝	Sale	7⅞	8	7¼	Sale	7⅛ July 10	8¼ July 3	7⅛ July 10	12 Jan 14
91,200	912,000	Sperry Rand Corp warrants		7½	Sale	7½	Sale	7⅝	Sale	7 July 25	8⅛ July 5	6⅝ Apr 2	8¾ Jun 12
17,900	223,100	Sports Arenas Inc	1c	1⅝	Sale	1⅝	Sale	1¼	Sale	1¼ July 23	1¾ July 1	1¼ July 23	2⅝ Jan 21
20,700	210,600	Standard Brands Paint	1	18⅞	Sale	23¼	Sale	23	Sale	22⅝ July 1	25¼ July 5	18⅝ Jan 3	25⅞ May 28
16,200	90,100	Standard Dredging Corp	1	7⅞	Sale	11⅛	Sale	10¾	Sale	10⅜ July 30	11⅝ July 2	7⅞ Jan 2	11⅝ July 2
3,000	9,760	$1.60 conv preferred	20	23¾	24	27¼	Sale	27	Sale	27 July 1	27½ July 15	23¾ Feb 11	27½ July 15
1,000	50,900	Standard Forgings Corp	1	13⅝	Sale	13¼	13¾	12⅞	13	12⅞ July 24	13½ July 17	12¾ Apr 18	17¼ Jan 25
22,900	148,400	Standard Metals	3c	4⅛	Sale	3¾	Sale	3⅞	Sale	3⅝ July 30	4 July 5	3⅝ July 30	4¾ Jan 28
		Standard Motor Prods Inc—											
5,600	17,500	Class A	2	—	—	15⅛	Sale	14½	14⅞	14⅝ July 19	15⅜ July 2	14⅛ Jun 12	16⅝ May 23
11,100	109,200	Standard Products Co	1	12¾	Sale	16⅞	Sale	14¾	Sale	14¼ July 26	16⅞ July 1	11 Mar 5	17¼ Jun 26
3,500	31,600	Standard Shares Inc	1	31¼	32¼	33	Sale	34	Sale	33 July 1	34¼ July 12	30 Feb 28	34¼ July 12
19,400	82,200	Standard-Thomson Corp	1	6	Sale	5¼	Sale	4⅞	Sale	4⅜ July 25	5⅜ July 8	4⅜ July 25	6¼ Jan 14
3,800	25,900	Standard Tube class B	1	3⅝	3⅞	4⅜	4⅝	4¾	Sale	4⅛ July 24	4⅞ July 11	3⅝ Apr 5	5⅛ Jun 17
42,300	190,200	Stanley Aviation Corp	10c	8	8½	16	Sale	13½	Sale	12⅛ July 18	17 July 3	7⅞ Jan 16	19⅛ Jun 12
63,000	532,200	Stanrock Uranium Mines	1	⅞	Sale	1⅜	Sale	¾	Sale	1⅜ July 25	1⅜ July 1	1⅜ July 25	1¼ Feb 13
6,300	138,100	Star Industries Inc cl A	1	22¼	Sale	25⅞	Sale	26	Sale	24½ July 23	26⅛ July 30	22⅛ Jan 2	29¾ May 24
25,200	96,400	Statham Instruments Inc	1	9	Sale	10¾	Sale	12	Sale	10½ July 2	13⅞ July 15	8¼ Mar 15	13⅞ July 15
8,200	47,400	Steel Co of Canada Ltd	*	17¼	17½	18½	18⅞	18⅞	Sale	18 July 19	19¾ July 9	17⅛ Mar 12	20 May 3
6,600	82,800	Steel Parts Corp	5	17¼	Sale	25¼	Sale	24¼	Sale	24 July 22	25¾ July 8	16½ Jan 4	27¼ Jun 24
194,800	423,800	Stelma Incorporated	10c	8	Sale	10⅜	Sale	12⅝	Sale	9⅝ July 1	14⅛ July 11	7⅜ Apr 23	14⅛ July 11
5,200	74,000	Stepan Chemical Co	1	19⅞	Sale	16⅝	Sale	15⅞	16	15½ July 26	16⅝ July 1	15½ July 16	23½ Feb 8
10,300	189,100	Stephan (The) Co	50c	12⅛	12½	x19¼	Sale	17¾	Sale	17¼ July 29	19⅜ July 1	12½ Jan 3	21¼ Jun 10
5,900	35,300	Sterling Aluminum Prod	5	10½	10¾	13⅝	Sale	13⅝	13⅞	13⅝ July 1	14¾ July 17	10½ Jan 3	14¾ July 17
9,100	18,100	Sterling Breweries Inc	1	16¼	17¼	16¾	17⅜	16⅞	17	17 July 25	17½ July 2	16¾ Feb 15	19½ May 23
74,400	438,000	Sterling Precision (Del)	10c	1½	Sale	1⅝	Sale	1⅝	Sale	1⅝ July 1	1⅞ July 12	1⅜ Apr 3	1⅞ Jan 23
400	2,500	Stetson (John B)	*	40	Sale	28½	Sale	27¾	28¾	28 July 15	28½ July 1	28 July 15	40 Jan 2
14,100	158,500	Stop & Shop Inc	1	19¾	Sale	21⅝	Sale	20	Sale	19¼ July 29	22 July 1	19¼ July 29	26⅞ Apr 5
18,200	266,700	Strong Cobb Arner Inc	1	4⅜	Sale	5¾	Sale	5¼	Sale	5 July 23	5⅞ July 3	4⅛ Jan 2	6½ May 27
103,300	418,500	Struthers Wells Corp	1	5⅜	Sale	6⅞	Sale	7⅜	Sale	6⅞ July 5	8½ July 17	4⅞ May 21	8½ July 17
7,500	64,000	Stylon Corp	4	7	Sale	7⅝	Sale	7⅛	Sale	7⅛ July 24	7⅞ July 2	6 Feb 8	8 Jun 25
2,200	32,700	Sunair Electronics Inc	10c	2	2¼	1¾	1⅞	1¾	1⅞	1¾ July 2	1⅞ July 12	1⅝ Apr 29	2⅞ Jan 14
66,300	487,300	Sunset Internat Petroleum	1	6½	Sale	6¼	Sale	6¼	Sale	6⅛ July 1	6⅝ July 11	6 Jan 4	7⅛ Jan 18
4,600	48,900	†Supercrete Ltd	25c	½	Sale	⅝	¾	⅝	Sale	⅝ July 2	¾ July 23	½ Jan 2	⅞ Mar 28
2,000	26,900	Superior Window cl A	10c	¾	⅞	1¼	Sale	1	1⅛	1 July 1	1¼ July 1	¾ Jan 3	1⅞ May 10
2,900	39,100	Supermarkets Operating	50c	12⅝	13⅜	20¾	Sale	19	Sale	19 July 31	21 July 5	13¼ Jan 4	21 Apr 26
5,000	38,400	Supronics Corp	25c	2¾	2⅞	2⅛	Sale	2⅛	Sale	2 July 5	2⅜ July 16	2 July 5	3¾ Jan 25
3,400	36,900	Swanee Paper Corp	1	11¾	12	11¼	Sale	11	Sale	10¾ July 29	11½ July 11	9¾ Mar 6	12⅜ Jan 4
705,600	2,491,200	Syntex Corporation	2	35⅞	Sale	82¼	Sale	105⅝	Sale	79½ July 1	111⅞ July 31	35 Jan 2	111⅞ July 31
76,100	76,100	Talley Industries Inc	1	—	—	—	—	12⅝	Sale	12⅝ July 31	15¼ July 29	12⅝ July 31	15¼ July 29
1,600	6,750	Talon Inc 4% preferred	10	8	8¼	8⅝	9	8½	8¾	8½ July 18	8⅝ July 18	8 Jan 8	9 Apr 2
39,900	‡130,900	Tampa Electric Co	*	—	—	23⅞	Sale	23⅝	Sale	23½ July 29	24¾ July 11	‡23 May 17	24⅞ Apr 18
96,200	323,900	Tastee Freez Industries	67c	—	—	12	Sale	7½	Sale	6¾ July 29	12 July 1	6¾ July 29	18⅛ Mar 14
79,100	398,900	Technical Operations Inc	*	20⅜	Sale	30⅜	Sale	37⅛	Sale	29⅛ July 1	40⅜ July 31	16⅝ Feb 28	40⅜ July 31
529,400	1,780,200	Technicolor Inc	1	8¾	Sale	14	Sale	16⅝	Sale	13¾ July 1	18⅝ July 11	8⅝ Jan 2	18⅝ July 11
12,900	95,100	Tel-A-Sign Inc	20c	2¼	Sale	1¾	Sale	1⅞	Sale	1½ July 22	1⅞ July 30	1½ Apr 11	2⅜ Jan 2
16,300	104,400	Telectro Industries	10c	2⅜	Sale	2¼	Sale	2¼	2½	2¼ July 1	2⅞ July 16	2¼ Jan 2	3⅛ Mar 14
11,300	100,600	TelePrompTer Corp	1	5½	Sale	5⅜	Sale	4¾	Sale	4⅝ July 26	5⅜ July 1	4⅛ Mar 19	6¾ Jan 4
36,700	486,100	Teleregister Corp	*	5⅛	Sale	5⅞	Sale	5¼	Sale	4⅞ July 22	5⅞ July 1	4⅜ Mar 19	7⅛ Apr 8
2,500	34,400	Warrants		2½	Sale	2⅜	Sale	2⅛	Sale	2 July 30	2⅜ July 1	1⅞ Mar 8	3⅛ Apr 9
13,100	159,200	Television Industries	1	2½	Sale	1¼	Sale	1⅛	Sale	1⅛ July 5	1¼ July 1	⅞ Mar 12	2¾ Jan 4
2,500	38,000	Tenney Engineering Inc	10c	3½	Sale	3⅛	3¼	3⅛	Sale	3 July 17	3¼ July 10	2¾ Jan 11	3⅞ Mar 8
31,900	379,700	Term-Hudson Electronics	25c	7½	Sale	4¾	Sale	4⅛	Sale	4⅛ July 25	4¾ July 1	4⅛ July 25	7⅞ Jan 31
225	2,225	Texas P & L $4.56 pfd	*	96	98½	100	101	101	101¾	100½ July 19	102 July 12	98½ Jan 4	102 July 12
29,900	254,300	Texstar (The) Corp	10c	⅝	Sale	1⅛	Sale	1⅛	Sale	1⅛ July 1	¾ July 1	⅝ Jan 2	⅞ Jan 29
4,200	51,200	Textron Electronics Inc	50c	5¾	6⅛	5½	Sale	5⅛	Sale	5⅛ July 3	5½ July 1	5⅛ July 3	6⅝ Mar 1
34,500	522,500	Textron Inc warrants		13⅞	Sale	14¾	Sale	13½	Sale	12⅝ July 24	14⅞ July 5	11⅞ Mar 19	16¼ Jun 7
14,000	64,300	Thew Shovel Co	5	20⅝	Sale	23½	Sale	24⅛	Sale	23⅜ July 2	25¾ July 18	20⅝ Jan 2	25¾ July 18
13,700	225,400	Thompson-Starrett Co	10c	1¾	Sale	1⅞	Sale	2	Sale	1¾ July 17	2 July 1	1⅝ Jan 21	2¼ Feb 15
300	9,600	70c conv preferred	10	11½	11⅞	12⅛	Sale	12½	Sale	12⅛ July 1	12½ July 31	11 Feb 7	13⅛ Jun 3
4,500	41,500	Thorofare Markets Inc	25c	16⅞	17¼	15½	Sale	15⅛	Sale	15⅛ July 31	15⅝ July 15	15 May 21	18⅜ Jan 9
9,700	62,800	Thriftimart Inc class A	1	22⅜	Sale	22¼	Sale	22⅜	Sale	22 July 2	22⅝ July 18	21⅛ Mar 19	24⅞ Jan 11
8,100	23,400	Tillie Lewis Foods Inc	1	—	—	7⅝	Sale	7	Sale	6⅜ July 30	7⅝ July 1	6⅜ Jun 18	8 Jun 25
		Tobacco Securities Trust Co—											
500	1,700	Am dep rcts def reg	5c	2⅛	3	2⅞	3⅛	2⅞	3½	2⅝ July 19	3 July 26	2⅝ Jan 22	3¼ Feb 8
600	1,800	Am dep rcts reg	5s	6½	7	7½	7¾	7 1/16	7¼	7 1/16 July 19	7⅛ July 17	6⅜ Jan 7	8⅜ Apr 23
2,000	28,200	Todd Shipyards Corp	20	21⅜	21⅞	25½	26	25¼	Sale	25 July 29	26⅛ July 10	21¼ Mar 7	27 Jun 19
575	7,725	Toledo Edison 4¼% pfd	100	90½	Sale	94½	Sale	92	92½	91½ July 19	94½ July 1	90½ Jan 2	94¾ Jun 28
1,000	10,200	Tonopah Mining of Nev	1	3¼	3½	3¾	3⅞	3¾	Sale	3¾ July 3	3¾ July 3	3¼ Jan 9	3⅞ Mar 21
14,300	182,400	Tower Universal Corp	1	3½	Sale	3	Sale	3¼	Sale	2⅞ July 2	3⅝ July 10	2⅞ July 2	5⅛ Feb 6
2,200	26,100	Town Photolab Inc	5c	3	3⅜	3	3⅛	2¾	2⅞	2¾ July 18	3⅛ July 8	2¾ Jan 10	4⅜ Feb 11
6,900	52,200	Trans-Lux Corp	1	12¼	Sale	11⅛	Sale	12⅜	Sale	11 July 2	12½ July 30	11 Jun 26	13⅜ Mar 14
42,400	308,000	Trans World Airlines 'wts'		4¼	4½	8	Sale	8⅛	Sale	7⅛ July 26	8⅝ July 12	4⅛ Jan 15	9⅛ Jun 4
7,200	63,100	Transportation Cp Amer	10c	9⅛	Sale	8⅜	Sale	8½	Sale	8 July 24	8¾ July 2	7⅝ Mar 7	9⅛ Jan 2
		Transue & Williams Steel											
22,600	63,900	Forging Corp	*	—	—	13¼	Sale	17⅝	Sale	13¼ July 1	18¼ July 31	9¼ Jan 4	18¼ July 31
7,700	51,900	Trav-ler Industries	1	4⅜	Sale	4⅝	Sale	4½	Sale	4⅛ July 12	4⅞ July 30	3⅞ May 22	5¼ Jun 14
4,500	53,400	Triangle Conduit & Cable	1	9¾	10	14¾	Sale	14	Sale	13⅝ July 26	15 July 17	9¾ Mar 27	15⅝ Jun 17
33,600	256,900	Tri-Continental Corp warr		33½	Sale	36⅜	Sale	36	Sale	34⅜ July 22	38⅛ July 8	32⅛ Mar 6	40⅜ Jun 4
3,700	25,800	True Temper Corp	10	29	Sale	35	Sale	35¾	Sale	35 July 1	36 July 17	29 Jan 2	36 Jun 19
9,900	108,800	Unexcelled Chemical Corp	5	8	Sale	8⅜	Sale	7	7¼	6¾ July 25	8⅜ July 1	6½ Apr 18	10¼ Jan 25
1,400	9,200	Union Gas of Canada	*	16⅞	17½	20	20½	18¾	19½	18⅛ July 24	20 July 5	17¼ Mar 4	21 Jun 7
1,200	5,800	Union Investment Co	4	12⅛	12⅝	13¼	Sale	13½	Sale	13 July 8	13½ July 31	12¼ Jan 17	13⅜ Apr 30
1,000	8,100	Union Stk Yds of Omaha	20	21⅛	22	22¼	22½	22⅝	Sale	22 July 18	22⅝ July 31	21¾ Jan 3	23½ May 28
7,700	54,000	United Aircraft Prod	50c	4⅜	Sale	4	Sale	3⅞	Sale	3⅞ July 15	4¼ July 2	3⅞ July 15	5⅛ Apr 8
25,600	219,300	United Asbestos Corp	1	3 1/16	Sale	3	Sale	3	Sale	2 15/16 July 25	3⅛ July 12	2⅞ July 25	3⅛ Jan 4
34,000	361,600	United Canso Oil & Gas vtc	1	3 1/16	Sale	1 7/16	Sale	1 7/16	Sale	1¼ July 9	1½ July 26	1⅛ Jan 2	1 9/16 Feb 19
4,500	33,600	United Elastic Corp	*	40	40½	37⅛	37⅝	36¾	37	36 July 12	37½ July 2	36 Mar 13	41 Jan 4
5,000	61,500	United Foods Inc	1	7	Sale	8⅜	Sale	8	8⅛	8¼ July 10	8⅝ July 12	7 Jan 2	9⅞ Apr 4
17,100	200,700	United Imp & Inv Corp	2.60	4¼	Sale	3½	Sale	3½	Sale	3⅜ July 1	3¾ July 10	3⅜ May 24	5⅛ Jan 10
900	5,000	United Milk Products	5	5⅞	6⅜	5¾	Sale	5½	5¾	5⅝ July 5	5¾ July 1	5½ May 7	6¼ Jan 21
		United Molasses Co Ltd—											
200	4,600	Amer dep rcts ord reg	10s	4⅛	4¼	5⅛	5¼	5 1/16	5⅛	5 1/16 July 30	5⅛ July 11	4¼ Jan 3	6½ May 23
240	1,460	United N J Ry & Canal	100	184½	186	200½	Sale	199¼	200¼	199½ July 10	200½ July 1	184½ Jan 4	202 May 15
5,100	32,400	U S Air Conditioning	50c	2⅜	Sale	2¾	Sale	2½	Sale	2½ July 31	2⅞ July 1	2¼ Jan 2	3½ Apr 1
2,200	46,100	U S Ceramic Tile Co	1	5	Sale	7¾	Sale	7⅝	Sale	7⅝ July 12	8 July 11	5 Jan 2	8⅝ Jun 21
23,200	169,500	U S Natural Gas Corp	1	7	Sale	8⅞	Sale	9⅝	Sale	8¾ July 1	10¼ July 25	6 Jan 17	10¼ July 25
4,600	36,300	U S Rubber Reclaim Co	1	5½	5¾	8	Sale	8⅛	Sale	7⅝ July 30	8¾ July 12	5¾ Jan 3	9¼ Jun 12
3,100	34,900	United Stockyards Corp	25c	5⅜	5¾	5¼	5½	4¾	Sale	4¾ July 31	5½ July 16	4¾ July 31	6¼ Jun 7
		Universal American Corp—											
6,400	67,700	1962 series warrants		2¾	Sale	2⅛	2¼	2⅛	Sale	2 July 29	2¼ July 16	2 Apr 5	2⅞ Jan 10
2,400	24,000	1955 series warrants		2⅜	2⅝	2	2⅜	2	2⅛	2 July 5	2⅛ July 3	2 July 5	3 Feb 14

For footnotes, see page 96.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	American Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
11,800	93,700	Universal Automated Ind	10c	--	--	2⅛	Sale	1⅞	2	1⅞ July 16	2⅛ July 1	1⅞ July 16	3 Jan 7
6,200	36,800	Universal Container A	10c	4¾	5	6⅜	Sale	5⅞	6¼	5⅝ July 9	6½ July 1	5 Jan 4	6⅞ Jun 27
85,600	917,300	Universal Controls Inc	25c	4¾	Sale	4⅞	Sale	4½	Sale	4½ July 23	6½ July 9	4⅜ Apr 16	5½ Jan 7
650	3,250	Universal Insurance	17.78	33¼	34½	31⅛	32¼	32	32¾	31 July 17	31¾ July 9	31 July 17	39¾ Jan 9
23,100	195,800	Universal Marion (Fla)	*	8⅝	Sale	9	Sale	9	Sale	8¾ July 16	9⅛ July 3	8⅝ Jan 2	9⅝ Feb 12
54,900	834,600	Utah Idaho Sugar Co	5	9½	Sale	14½	Sale	13⅛	Sale	13 July 29	15 July 5	9⅜ Jan 2	19⅞ May 21
8,500	35,400	Valspar Corp	1	6¾	Sale	8	Sale	7½	Sale	7½ July 31	8⅛ July 1	6⅛ Mar 5	9 Jun 11
95,800	188,100	Valve Corp of America	25c	9⅝	Sale	14	Sale	18	Sale	13⅝ July 2	19⅜ July 23	9⅜ Jan 31	19⅜ July 23
5,100	57,500	Venture Capital Corp	1	4⅛	Sale	4	Sale	3⅞	Sale	3⅞ July 3	4 July 1	3¼ Mar 18	4⅝ Jun 6
200,700	660,200	Victoreen Instrument Co	1	7⅞	Sale	8⅞	Sale	10½	Sale	8¾ July 1	10⅞ July 31	7⅞ Jan 2	10⅞ July 31
12,600	136,600	Viewlex Inc class A	25c	3½	Sale	2¾	2⅞	2⅝	Sale	2½ July 24	2⅞ July 2	2½ July 24	3⅞ Jan 18
7,800	126,600	Virginia Dare Stores Corp	1	7⅛	7⅜	7⅜	Sale	7⅛	Sale	7 July 2	7⅜ July 1	6⅜ Mar 8	8⅞ May 3
56,500	203,100	Va Iron Coal & Coke	2	9¾	Sale	10½	Sale	10	Sale	9½ July 15	10⅝ July 2	9¼ Mar 4	11¼ May 31
2,900	32,500	Vita Food Products Inc	25c	15⅜	Sale	17¼	Sale	16¼	Sale	16¼ July 29	17½ July 1	15⅜ Jan 2	20½ Mar 15
1,800	26,300	Vogt Manufacturing Corp	*	11	11½	12⅛	12⅜	12⅜	12½	12¼ July 2	13 July 11	10¾ Jan 4	13½ Jan 15
3,400	36,300	VTR Inc	1	5	5¼	4⅞	Sale	5	Sale	4⅞ July 1	5⅛ July 9	4⅞ Jun 4	5⅜ Feb 15
1,500	16,500	Waitt & Bond common	4	3¼	3½	4½	Sale	3⅝	Sale	3½ July 31	4½ July 1	3⅜ Jan 7	4⅞ May 27
600	5,600	6% conv preferred	10	6½	7	8½	9	7⅛	Sale	7⅛ July 30	8¼ July 2	6¾ Jan 7	9¾ May 24
46,100	324,000	Waltham Precision Inst Co	1	2¼	Sale	2	Sale	1⅞	Sale	1¾ July 25	2⅛ July 3	1¾ July 25	2⅜ Jan 9
224,100	2,574,000	Webb & Knapp Inc com	10c	ⅱ	Sale	ⅱ	Sale	½	Sale	½ July 22	ⅱ July 1	⅜ Jun 6	1⅛ Jan 8
1,240	14,420	$6 series preference	*	80½	Sale	53⅛	Sale	49	Sale	49 July 31	60½ July 10	44 Jun 10	87 Jan 8
3,600	22,100	Weiman & Company Inc	1	3⅞	Sale	3¾	Sale	3½	3⅝	3½ July 16	3¾ July 1	3½ May 24	⅝ Jan 3
3,600	54,000	Wentworth Mfg Co	1.25	4½	4¾	3¾	Sale	3½	Sale	3½ July 26	3¾ July 1	3½ July 26	5 Jan 11
3,900	20,700	West Chemical Products	50c	22¼	22½	22¾	Sale	23¾	Sale	22¾ July 1	24⅞ July 19	21½ Jun 3	24⅞ July 19
100	920	West Texas Utilities Co 4.40% preferred	100	93	94½	96¼	97¾	96½	97¼	96¼ July 17	96¼ July 17	94½ Jan 10	97½ May 31
8,400	188,000	Westbury Fashions	10c	9¼	Sale	6½	6¾	6¼	Sale	5⅜ July 29	6¾ July 3	5⅜ July 29	12½ Jan 10
24,400	169,700	Western Equities Inc	10c	3⅜	Sale	2½	2¾	2⅜	Sale	2¼ July 5	2½ July 2	2⅛ Apr 23	3⅛ May 15
91,400	315,900	Western Nuclear Inc	5c	3	Sale	3⅝	Sale	3⅞	Sale	3⅛ July 16	4 July 30	2⅞ Mar 3	4 July 30
14,000	150,300	Western Stockholders Inc Amer dep rcts ord shs	1s	1/16	Sale	1/16	Sale	1/16	Sale	1/16 July 1	½ July 22	1/16 Jan 2	½ Jan 17
2,200	23,800	West Tablet & Stationery	*	19⅛	20	23⅛	23⅝	21½	Sale	21½ July 23	23¼ July 10	19¼ Jan 3	25½ Feb
4,700	32,700	Weyenberg Shoe Mfg	1	23⅛	23¾	24⅞	Sale	25	Sale	23¾ July 10	25 July 31	22¾ Jan 7	26⅞ May
1,900	25,900	Whippany Paper Board	10c	8⅞	9⅛	10¼	Sale	10⅛	10⅜	10 July 2	10½ July 15	9⅛ Jan 3	12¼ Feb
34,800	320,300	White Eagle Internat'l	10c	1/16	Sale	½	Sale	1/16	Sale	1/16 July 1	1/16 July 5	1/16 July 1	ⅱ Jan
8,000	27,300	White Stag Mfg Class A	1	--	--	21⅛	Sale	22	Sale	19¾ July 17	22 July 31	19¾ July 17	22½ Mar 2
7,400	60,800	Whitmoyer Laboratories	1	10	Sale	13	13⅜	12⅛	Sale	12 July 23	13⅝ July 2	9¾ Jan 9	14¾ Jun 13
10,300	55,000	Wichita River Oil Corp	1	1⅞	2⅛	2⅜	Sale	1⅞	2	1¾ July 15	2⅜ July 1	1½ Feb 21	2½ Jun 18
2,000	27,900	Wieboldt Stores Inc	*	14½	14⅞	15⅜	15½	15⅜	Sale	15⅜ July 23	16 July 8	13⅞ Jun 3	16⅝ Apr 18
2,300	19,200	Williamhouse (The) Inc	10c	5½	5¾	5	5¼	5	Sale	4¾ July 23	5⅛ July 8	4¾ July 23	6 Feb 6
9,700	130,200	Williams Brothers Co	1	13⅞	Sale	15¼	Sale	14⅝	Sale	14⅝ July 31	15⅞ July 25	13⅞ Jan 2	18⅜ Apr 19
14,000	111,800	Williams-McWilliams Ind	10	5⅜	Sale	6⅛	Sale	6½	Sale	5⅞ July 15	6⅝ July 22	5⅛ Jan 2	7½ Feb 11
26,000	104,600	Williams (R C) & Co	1	15	Sale	9¾	Sale	11¾	Sale	9⅛ July 1	13⅝ July 16	8⅝ Jun 28	17⅜ Mar 8
47,300	419,800	Wilshire Oil Co of Tex	1	2 1/16	Sale	1ⅱ	Sale	2	Sale	1ⅱ July 23	2 July 2	1ⅱ July 23	2 7/16 Mar 21
11,900	90,400	Wilson Brothers common	1	7	Sale	6¼	Sale	6	Sale	5⅞ July 3	6¾ July 12	5⅞ Jun 5	8⅝ Jan 25
1,125	9,550	5% preferred	25	15¾	Sale	17⅞	18	16½	Sale	16½ July 31	18¼ July 16	15¾ Jan 2	19⅝ Mar 27
210	1,580	Wisconsin P&L 4½% pfd	100	96½	Sale	100½	Sale	100	Sale	98 July 25	101 July 8	95½ Jan 10	102 Jun 4
2,500	5,400	Wood (John) Co	*	--	--	8¾	8⅞	8⅝	9	8⅝ July 24	9 July 16	8⅝ July 24	9⅜ May 17
10,300	62,040	Wood Newspr Mach Corp	1	12¾	Sale	11⅜	Sale	11⅝	Sale	11 July 2	12⅜ July 18	10½ Jun 27	13⅞ Jan 4
3,200	35,700	Woodall Industries Inc	2	17½	17⅞	19⅛	Sale	19¼	Sale	18¾ July 12	19½ July 1	16½ Feb 19	20¾ May 16
2,800	12,700	Woolworth (F W) Ltd Amer dep receipts	5c	6⅛	6½	7¼	Sale	7⅜	7½	7¼ July 1	7½ July 23	6⅜ Jan 4	8 Mar 15
----	400	6% preference	£1	2⅜	3	2⅜	3	2¼	2⅞	---- ----	---- ----	2½ Mar 11	2¾ Mar 29
15,100	143,700	Wright-Hargreaves Ltd	40c	¾	Sale	¾	⅞	ⅱ	Sale	ⅱ July 3	ⅱ July 9	ⅱ Jan 2	1 Feb 5
23,400	416,900	Yale Express System Inc Class A	25c	8¾	9	16⅛	Sale	14⅛	Sale	14⅛ July 31	16½ July 10	8⅛ Mar 25	17¼ Jun 18
65,400	245,600	Yonkers Raceway com	25c	3⅞	Sale	4	Sale	4¼	Sale	3¾ July 2	4½ July 12	3¾ May 28	4¾ Feb 25
1,500	30,600	6% preferred	5	3⅞	4	4⅛	4¼	4¼	4⅜	4⅛ July 8	4¼ July 9	3⅞ Jan 11	4⅜ Apr 4
14,500	96,000	Zale Jewelry Co	1	15⅝	Sale	16⅞	17	17	Sale	16⅞ July 29	17½ July 17	15⅜ Jan 2	17½ July 17
55,500	239,300	Zapata Off-Shore Co	50c	4¾	4⅞	8	Sale	7⅞	Sale	7⅞ July 31	8⅝ July 17	4⅞ Jan 3	8⅝ July 17
12,800	265,800	Zapata Petroleum Corp	10c	6⅝	Sale	9⅜	Sale	--	--	9⅜ July 1	9⅞ July 2	6½ Jan 8	9⅞ July 2
900	10,400	Zion Foods Corp	1	4¼	4½	3¾	4	3⅞	Sale	3¾ July 30	4⅛ July 24	3¾ Jun 18	4⅞ Feb 13

BONDS

$	$												
108,000	2,948,000	Alsco Inc 5½s conv	1974	26⅛	27	67	67⅞	72	Sale	60¼ July 2	75 July 15	27 Jan 3	75 July 15
25,000	524,000	Amer Realty & Petrol Co 6½s	1972	--	--	90	Sale	86	95	86 July 3	90 July 1	84½ Jan 17	102½ Feb 4
3,000	34,000	ΔAmer Steel & Pump 4s	1994	58⅛	62	59	65	60	65	60 July 3	60 July 3	58½ Apr 26	64 Feb 1
97,000	572,000	Appalach'n El Pwr 3¼s	1970	94	Sale	93¾	94⅜	93	Sale	92½ July 18	94 July 29	92½ July 18	95⅝ Jun 14
60,000	831,000	Baldwin Montrose Chem 7s	1972	70	Sale	84⅛	84¾	85	85¾	84½ July 11	85¾ July 29	68½ Jan 11	85¾ July 29
25,000	849,000	Belock Instrument Corp 6s series A	1975	--	--	125	134	123	130	118 July 12	135 July 17	100 Feb 11	148½ Jun 4
----	5,000	Bethlehem Steel 6s	1998	126¾	128	126⅝	--	127	--	---- ----	---- ----	126½ May 21	127½ Feb 14
292,000	1,463,000	Bloomfield Bldg Indus 6½s	1977	107¼	Sale	108	Sale	102	Sale	102 July 31	110 July 1	102 July 31	115½ Jan 28
23,000	268,000	Boston Edison 2¾s	1970	90¾	Sale	90⅝	91	91	92½	90⅞ July 18	91⅛ July 9	90¼ Mar 14	92¼ Feb 6
1,000	22,000	Brandywine Raceway Assn 6s debs	1978	100	--	100½	--	100⅝	--	100½ July 8	100½ July 8	100 Feb 18	100¾ May 8
96,000	574,000	BSF Corp 5¾s conv	1969	70½	71⅞	94	Sale	94	Sale	94 July 1	96 July 9	71½ Jan 8	96 Jun 4
2,000	167,000	Chicago Transit Authority 3¾s rev ser '47	1978	100⅜	100¾	100⅞	101¼	101⅛	102	100⅞ July 9	101⅛ July 29	100⅜ Jan 7	102¼ May 16
13,000	454,000	Coburn Credit Co Inc 6s conv subord debs	1976	--	--	143	Sale	131	Sale	130 July 23	143 July 1	118½ Mar 27	159½ May 6
342,000	423,000	5½s conv subor debs	1978	--	--	108	Sale	103½	Sale	100 July 19	108 July 1	100 July 19	111 Jun 21
84,000	626,000	Delaware Lack & West RR Lackawanna of N J Div 1st mtge 4s ser A	1993	30¼	30½	39¾	40¼	38¾	Sale	36¼ July 30	39½ July 3	30½ Jan 3	42 Feb 19
22,000	306,000	Δ1st mtge 4s ser B	1993	11¼	12	16¼	16¾	13	15	15 July 24	16¾ July 2	11¼ Jan 3	19½ Feb 18
46,000	397,000	First Nat Realty & Constr Corp 6½s ex warr	1976	69¼	71	74⅝	75	76	79	75 July 8	76 July 2	69½ Mar 13	76 Jun 4
98,000	697,000	Fotochrome Inc 5½s	1981	53¾	Sale	57	Sale	52½	53	52½ July 25	57 July 1	51 Apr 8	62 Jan 15
77,000	837,000	Gen Development 6s	1975	85½	87	95½	97½	93½	Sale	93½ July 26	95½ July 3	87⅝ May 1	96 May 24
38,000	618,000	General Foam Corp 6s	1981	78	Sale	84	Sale	81	82	82 July 25	84 July 1	77½ Jan 15	84½ Feb 8
359,000	3,911,000	Gulf American Land 6½s convertible	1977	87½	Sale	86	Sale	80¾	Sale	76 July 31	86 July 1	76 July 31	93¾ Jan 15
134,000	647,000	Hartfield Stores 5½s	1981	70	Sale	73½	Sale	70	71	69½ July 30	73½ July 1	69½ July 30	79 Jan 15
43,000	1,167,000	Hoffman Inter'n 7s	1973	80	85	59	Sale	53	54	53 July 30	59 July 1	50 Feb 27	86 Jan 14
119,000	615,000	Hudson & Manhattan Corp 1st mortgage 6s	1982	98⅜	99	98⅜	98½	98⅜	99¼	97¾ July 9	99 July 29	96¼ Feb 20	99¾ Feb 8
96,000	562,000	Hydrometals 6s A	1972	61¾	65	71½	72½	82	83	69 July 16	84 July 29	61 Jan 7	75½ Jun 5
49,000	288,000	Italian Power Realization ΔTrust 6½s liq tr ctfs	--	44¼	52½	41⅛	42¾	42½	43⅝	41¼ July 19	43¾ July 10	41¼ July 19	48½ Mar 1
182,000	334,000	Kaltman & Co 6s	1977	116½	Sale	115	117	107½	110	99 July 24	115 July 2	99 July 24	127 Feb 11
28,000	252,000	Kawecki Chemical 4⅞s	1976	102¼	104¾	104½	105½	104¾	107	104 July 2	107 July 11	103 Jan 28	108 Apr 19
1,477,000	5,072,000	Livingston Oil 5¾s	1982	117½	Sale	135¼	Sale	145	Sale	131 July 5	151 July 31	112 Mar 1	151 July 31
64,000	519,000	Mergenthaler Lino 5s	1977	101½	102	104	105	104½	105	104 July 3	106 July 2	102 Jan 3	106½ Jun 3

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For footnotes, see page 96

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Midwest Stock Exchange

A compilation of the round-lot transactions only

Stock Sales—	1963	1962	Bond Sales—	1963	1962
July (Shares)	2,691,000	3,305,000	July	------	------
Jan. 1 to July 31 (Shares)	23,923,000	22,847,000	Jan. 1 to July 31	$2,200	$500

Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Midwest Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY: July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1: Lowest Sale Prices	Highest Sale Prices
6,700	86,200	Abbott Laboratories	5	75⅝	Sale	94½	95	107¾	108¼	95 July 17	110⅜ July 29	73⅜ Jan 21	110⅜ July 29
8,300	50,800	Acme Steel Co	10	13¾	Sale	18⅜	Sale	17¾	Sale	16¼ July 22	18⅞ July 8	13¾ Jan 2	19 Jun 4
2,100	56,500	Admiral Corp	1	11¾	Sale	17½	Sale	17	17¼	16⅝ July 19	18⅞ July 11	11¾ Jan 2	19¼ Jun 13
----	46,100	Advance Ross Electronics	25c	3⅞	4	---	---	---	---	---	---	3⅞ Jan 4	6⅛ Feb 13
100	200	Aid Investment & Discount	1	--	--	--	--	--	--	23⅜ July 12	23⅜ July 12	23⅛ May 31	23⅜ July 12
3,200	15,700	Alleghany Corp (Un)	1	11	11⅜	10	10¼	9⅞	10⅛	9⅞ July 29	10¾ July 5	9⅞ Apr 4	13⅛ Jan 11
4,700	58,400	Allied Chemical Corp	9	43½	43¾	47	47⅜	49⅞	Sale	47½ July 24	50⅛ July 10	42⅜ Mar 1	52 May 9
12,800	87,900	Allis-Chalmers Mfg	10	14⅝	Sale	18⅛	Sale	16¾	Sale	16⅜ July 29	18⅜ July 9	14⅝ Jan 2	20¼ May 23
8,800	105,100	Aluminium Ltd	*	20⅛	Sale	26	Sale	24¼	24½	23⅞ July 26	27 July 15	20⅛ Jan 2	27¾ May 9
3,200	24,100	Aluminum Co of Amer (Un)	1	54¼	Sale	62¾	63⅛	64	Sale	59½ July 22	68½ July 11	52 Mar 25	68⅞ Jun 21
8,600	91,100	American Airlines (Un)	1	18⅛	Sale	25½	Sale	26⅜	Sale	25⅛ July 22	26¾ July 16	17⅞ Jan 3	26¾ July 16
1,400	37,000	American Broadcasting Param't Theatres (Un)	1	33⅛	33½	29⅝	Sale	28⅞	Sale	18⅜ July 30	30¾ July 3	28 Jun 18	37⅝ Jan 24
6,600	63,100	American Can Co (Un)	12.50	45⅞	Sale	46⅜	Sale	45⅛	Sale	44⅝ July 26	46½ July 5	43¾ Apr 2	47¼ Feb 4
5,800	63,000	American Cyanamid (Un)	10	49⅛	Sale	57⅝	Sale	58⅜	Sale	57 July 22	60⅛ July 8	48¼ Jan 2	60⅛ Jun 18
2,700	28,700	Amer Home Products (Un)	1	52⅞	Sale	59⅞	Sale	57⅞	Sale	57⅞ July 31	59⅞ July 1	49½ Mar 25	61⅜ Jun 19
1,300	10,800	American Investment (Ill)	1	20½	Sale	22¾	23¼	23	23⅜	23 July 2	23⅜ July 11	20½ Jan 2	23½ Jun 16
9,500	115,900	American Mach & Fdry	1.75	20⅝	Sale	21⅝	Sale	18¾	Sale	18¾ July 31	21⅝ July 1	18¾ July 31	24¼ Feb 14
20,700	272,400	Amer Motors Corp	1.66⅔	16¼	Sale	18⅜	Sale	18⅛	Sale	17½ July 19	18½ July 5	16¼ Jan 2	23 Feb 14
13,800	84,600	Amer Radiator & SS (Un)	5	12⅞	Sale	16¼	Sale	17	Sale	16⅛ July 3	17⅛ July 10	12⅞ Jan 2	17⅛ July 10
25,100	197,200	American Tel & Tel	33⅓	116⅞	Sale	120⅞	Sale	120¼	Sale	119¼ July 22	122¾ July 5	114¾ Jan 2	126 May 1
18,300	139,600	Amer Tobacco Co (Un)	6.25	29¼	Sale	28½	Sale	28⅛	Sale	28 July 17	29⅛ July 3	28 Mar 1	33⅞ Apr 18
2,500	41,800	American Viscose (Un)	25	60½	60⅞	66¾	67	68⅞	Sale	66⅛ July 22	69¾ July 30	59 Apr 1	70 Jun 27
9,400	61,300	Ampex Corp (Un)	1	16¾	Sale	19¾	Sale	19⅛	Sale	18½ July 18	21¼ July 11	14¾ Mar 18	21¼ Jun 24
1,500	11,700	Amsted Industries Inc	1	30⅜	Sale	38	Sale	--	--	36¼ July 19	38 July 1	30⅜ Jan 2	38¾ Jun 25
4,300	47,100	Anaconda Co (Un)	50	40⅞	Sale	48⅜	Sale	46½	Sale	45⅝ July 22	49½ July 5	40⅝ Jan 2	53⅞ Jun 7
50,100	230,600	Apache Corp	1.25	11⅛	Sale	12¼	Sale	14⅞	Sale	12 July 2	14⅞ July 31	9¾ Apr 25	14⅞ July 31
13,000	156,900	Arkansas Louisiana Gas	2.50	28¾	Sale	32¼	32⅝	33	Sale	32¼ July 2	33¼ July 12	28½ Jan 2	34¼ Mar 18
5,800	52,800	Armco Steel Co (Un)	10	52	Sale	55¼	56	55	Sale	54½ July 24	56 July 2	52 Jan 2	58½ Apr 16
11,400	38,900	Armour & Co	5	42¾	Sale	42⅜	Sale	41⅜	Sale	41¼ July 18	43¾ July 3	41¼ July 18	48⅝ Apr 15
2,800	23,000	Ashland Oil & Ref	1	26	Sale	28¾	Sale	28½	Sale	27⅝ July 23	28¾ July 1	26 Jan 2	31 May 13
16,800	168,600	Atch Topeka & Santa Fe	10	25⅛	Sale	29¾	Sale	28¼	Sale	27¼ July 24	30⅛ July 2	25 Jan 2	30⅜ Jun 25
3,100	30,600	5% non-cum preferred	10	10⅛	10⅜	11	Sale	11	Sale	10¾ July 30	11 July 1	10⅜ Jan 7	11¼ Jun 19
800	7,500	Athey Products Corp	4	22¾	23¾	22½	Sale	22½	23½	22⅛ July 12	23 July 24	22⅛ July 12	26¼ Jan 10
1,500	11,400	Atlantic Refining Co (Un)	10	48	48¼	51⅝	Sale	52⅞	Sale	51⅝ July 1	52⅞ July 18	48½ Jan 3	56¾ Apr 16
3,500	97,000	Automatic Canteen Co of America	2.50	13⅞	Sale	15⅜	Sale	13¾	Sale	13¾ July 29	15⅜ July 1	13⅜ Apr 4	17⅛ Jan 22
6,400	68,200	Avco Corporation	3	25	Sale	27½	Sale	26	Sale	25⅝ July 22	28⅝ July 5	23⅛ Mar 1	29¼ Jun 12
1,700	18,700	Baldwin-Lima-Ham (Un)	13	13⅜	13¾	13½	Sale	12⅝	Sale	11¾ July 24	13½ July 1	11¾ July 24	14⅜ Jan 24
3,100	15,850	Bastian-Blessing	*	22¾	Sale	22½	22¾	--	--	23½ July 2	25¾ July 17	22¼ Jan 4	25¾ July 17
3,300	31,100	Belden Mfg	10	22¾	23¼	23¾	Sale	23½	Sale	23 July 26	24⅜ July 16	23 July 26	26½ Feb 8
----	12,100	Bell & Gossett Co	2	13⅜	13¾	--	--	--	--	--	--	13½ Jan 8	21⅛ Apr 22
4,100	104,100	Bell & Howell Co	*	22¾	Sale	26¼	Sale	24¼	Sale	23¼ July 23	26½ July 5	21½ Feb 8	30¼ Jun 13
4,900	55,900	Bendix Corp	5	54¼	54¾	51¾	52	50½	Sale	50½ July 31	52¾ July 8	50⅜ Mar 22	58½ Jan 25
8,500	52,100	Benguet Consol Inc (Un)	p2	1¼	1⅜	1¼	1⅜	1¼	1⅜	1¼ July 2	1⅜ July 15	1¼ Jan 3	1½ Feb 18
13,800	154,600	Bethlehem Steel Corp (Un)	8	28¾	Sale	30½	Sale	x29¾	Sale	29¾ July 25	30¾ July 2	28¾ Jan 2	34⅝ Apr 16
400	3,700	Binks Manufacturing Co	1	25¼	26	30½	31	28	28¾	27¾ July 19	30 July 10	24½ Jan 11	30 Jun 25
5,300	37,000	Boeing Company (Un)	5	37	37½	35⅜	Sale	33⅛	Sale	30½ July 26	35⅝ July 9	30½ July 26	40⅛ Feb 4
3,050	10,650	Booth Fisheries Corp	5	35	35½	27	Sale	31¼	Sale	26⅝ July 11	31¼ July 31	26⅝ Jun 12	31¼ July 31
5,100	51,700	Borg-Warner Corp	5	42	Sale	45⅝	Sale	43¼	Sale	42⅞ July 29	x46¾ July 5	41½ Mar 6	47¾ Jun 13
1,000	9,100	Brach & Sons (E J)	*	33¼	33¾	32¾	33¼	33¼	33¾	33 July 2	35 July 9	29⅝ May 21	35 July 9
400	1,600	Brad Foote Gear Works	20c	2	2⅛	1¾	2	1¾	2	1⅞ July 25	2 July 10	1⅞ May 3	2 Jan 11
----	800	Brown Shoe Co	15	--	--	--	--	--	--	--	--	90¼ May 2	90¼ May 2
51,900	356,800	Brunswick Corp	*	18⅞	Sale	15¼	Sale	13	Sale	12¾ July 31	15¼ July 1	12¾ July 31	20⅝ Jan 8
2,600	24,600	Budd Co	5	11⅞	12	14⅛	Sale	13¾	13⅞	14⅛ July 1	15½ July 3	12½ Mar 19	15⅞ Jun 25
5,200	74,700	Burlington Indus (Un)	1	25⅞	Sale	34½	Sale	35¾	36¼	34½ July 1	36 July 25	25⅞ Jan 2	36 July 25
6,300	77,900	Burroughs Corp	5	28¼	Sale	29	Sale	26½	Sale	26 July 24	29¼ July 5	26 July 24	34 Feb 18
58,500	58,500	Rights		--	--	--	--	3/32	Sale	7/32 July 24	11/32 July 19	3/32 July 24	11/32 July 19
400	5,900	Burton-Dixie Corp	12½	21¾	22¼	21½	22	20½	21¼	19¾ July 22	21½ July 5	19¾ July 22	24 Mar 19
12,400	123,800	Business Capital Corp	1	5⅜	Sale	6½	Sale	5⅞	Sale	5⅞ July 30	6¾ July 1	4½ Mar 22	6¾ Jun 28
2,900	18,700	Calumet & Hecla Inc	5	11½	12	12⅜	Sale	12	12¼	11⅝ July 23	12½ July 29	11⅛ May 6	13¼ Jan 30
500	6,800	Canadian Export Gas & Oil Ltd	16⅔c	1	1⅛	15/16	Sale	13/16	15/16	15/16 July 1	11/16 July 1	7/8 May 31	1⅛ Jan 14
2,500	12,900	Canadian Pacific (Un)	25	22⅝	22⅞	29¼	29½	28⅛	28⅜	27⅝ July 19	30½ July 9	23¼ Jan ⅜	30½ July 9
----	6,100	Carrier Corp common	10	37	Sale	--	--	--	--	--	--	37 Jan 2	42 Apr 17
----	10	4½% preferred	50	47¾	48½	--	--	--	--	--	--	50 Apr 2	50 Apr 2
6,200	84,300	Caterpillar Tractor (Un)	*	37⅛	Sale	42	Sale	43¼	Sale	42 July 1	46⅛ July 11	34⅞ Mar 21	46⅞ Jun 5
3,000	24,900	Celanese Corp of Am (Un)	*	38½	Sale	45	Sale	48¾	Sale	45 July 1	50½ July 31	37¼ Feb 26	50½ July 31
5,900	167,800	Central & South West	2.50	41¼	Sale	44⅜	Sale	43¼	Sale	43¼ July 3	45¼ July 9	41¼ Jan 2	46⅞ Feb 7
13,300	44,000	Central Illinois Pub Serv	*	23⅞	24¼	25⅛	Sale	23¾	24¼	23⅜ July 24	25⅛ July 1	22¾ Mar 4	26¾ May 1
1,600	20,800	Certain-Teed Prods (Un)	1	15⅞	Sale	14⅛	14⅜	14⅝	Sale	13¾ July 18	14⅝ July 31	13¾ Jun 6	19½ Jan 31
3,800	35,400	Champlin Oil & Ref com	1	30	Sale	32⅝	32⅞	34	Sale	31¾ July 8	34 July 31	29½ Feb 12	34½ Jan 17
251	3,452	$3 conv preferred	*	63	64½	63¼	--	--	67	63 July 19	63½ July 5	62½ Jun 3	64½ Mar 14
----	6,871	Chemetron Corp	1	18⅜	18⅝	--	--	--	--	--	--	19⅜ Jan 3	22 Feb 1
5,700	39,100	Chesapeake & Ohio Ry (Un)	25	51½	Sale	61⅝	Sale	62	Sale	60½ July 24	63½ July 3	51½ Jan 2	64⅛ Jun 25
1,600	30,200	Chic Mil St Paul & Pac	*	9¼	9½	14⅝	Sale	14	14¼	13⅝ July 26	15 July 17	9¾ Jan 3	16 Jun 25
5,900	38,400	Chicago & Northwest Ry	*	13⅜	13⅞	23⅜	Sale	25⅝	Sale	23⅜ July 18	27½ July 17	14½ Feb 4	27⅞ Jun 25
5,700	28,600	5% series A preferred	100	20½	21	39½	39⅞	45¼	Sale	40 July 2	45⅞ July 18	21⅜ Jan 3	45⅞ July 18
2,600	22,400	Chicago R I & Pac Ry	*	18½	19	25½	25¾	25	Sale	25 July 8	25⅞ July 18	19½ Jan 3	26⅜ Jun 26
8,100	78,700	Chicago South Shore and South Bend RR	12.50	10⅞	Sale	17⅞	Sale	16¾	17¼	16¾ July 8	17¾ July 3	10⅞ Jan 2	19 May 27
60,200	182,400	Chrysler Corp	12.50	--	--	62¾	Sale	57⅝	Sale	57 July 12	64⅛ July 3	51¼ May 6	69¼ Jun 5
6,800	12,000	Cincinnati Gas & Elec	8.50	--	--	26⅛	Sale	25½	Sale	25 July 22	27⅛ July 9	25 July 22	28¼ Apr 29
4,700	34,500	Cities Service Co	10	56½	Sale	65⅝	Sale	70½	Sale	65⅝ July 1	70½ July 31	56½ Jan 2	70½ July 31
2,000	14,100	City Products Corp	*	25⅜	Sale	29⅞	Sale	30¼	Sale	29¾ July 2	30¼ July 30	25⅜ Jan 2	30¾ Mar 8
200	2,500	Cleveland-Cliffs Iron com	1	36¾	37⅜	43¾	44⅛	43¾	44¼	44 July 19	44¼ July 9	39 Jan 8	45⅛ May 16
550	4,022	4½% preferred	100	93	95	94	95	93¾	95	93½ July 11	95½ July 8	93½ Jun 27	96¾ Jun 21
2,000	3,400	Cleveland Elec Illuminatg	*	--	--	33¾	Sale	34	Sale	32⅞ July 16	34 July 31	32¼ May 23	34¾ Jun 25
----	16,700	Clevite Corp	1	--	--	--	--	--	--	--	--	39¼ Feb 4	39¾ Feb 15
2,900	6,258	Club Aluminum Products	*	--	--	3¼	4	--	--	3⅝ July 17	4 July 29	3⅛ Jun 25	4 July 29
----	40,050	Coleman Co Inc	5	19¼	19¾	--	--	--	--	--	--	18⅞ Jan 9	34¼ May 9
1,600	22,400	Colgate-Palmolive (Un)	1	43⅝	43⅞	56	Sale	--	--	55 July 5	56⅜ July 11	43 Jan 17	58 Jun 17
800	800	New common	1	--	--	--	--	45¼	Sale	44½ July 26	45⅞ July 19	44½ July 26	45⅞ July 19
2,800	27,500	Colorado Fuel & Iron Corp	5	8¾	Sale	9	9¼	8¾	9	8½ July 18	9¼ July 3	8½ July 18	10⅞ Apr 16
11,900	57,000	Columbia Gas Sys (Un)	10	26¾	27	30	Sale	29⅝	Sale	29⅛ July 23	30¼ July 15	26⅞ Jan 3	30⅜ Jun 11
24,400	176,300	Commonwealth Edison	12.50	44⅜	Sale	47⅞	Sale	49¼	Sale	47⅝ July 1	49⅜ July 29	44⅜ Jan 2	50⅜ Feb 15

*No par value. ‡Corrected volume. a Deferred delivery sale. r Cash sale x Ex-dividend. (Un) Issue admitted to unlisted trading privileges. y Ex-rights

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Aggregate Sales in July Shares	Since Jan. 1 Shares	Midwest Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
400	39,700	Consolidated Foods	1.33⅓	34¾	Sale	41⅜	41⅝	41¼	41½	41 July 10	42¼ July 26	33⅝ Jan 4	42¾ Jun 21
3,900	25,900	Consumers Power Co	*	42⅜	Sale	45⅞	Sale	46	Sale	45¼ July 19	47⅜ July 11	40⅞ Mar 4	47⅜ July 11
3,500	74,600	Container Corp of Amer	5	24¾	Sale	28⅛	Sale	25¾	26⅛	27⅛ July 26	28⅛ July 1	23⅞ Jan 3	29½ May 10
8,000	86,100	Continental Can Co (Un)	10	44⅝	45	47⅞	Sale	45½	Sale	45⅛ July 22	47⅞ July 1	42¾ Apr 3	48 Jun 17
2,800	35,400	Continental Insurance Co	5	58½	59	56½	Sale	56¼	Sale	56⅛ July 29	59 July 5	56⅛ Jun 20	64½ Feb 18
800	13,500	Continental Motors (Un)	1	10¾	10⅞	x12½	Sale	11⅝	11⅞	12 July 22	x12½ July 1	11 Jan 8	13½ Jun 5
2,300	27,900	Continental Oil (Del)(Un)	5	53½	54	61	61½	59⅜	Sale	58 July 22	61¾ July 3	54⅞ Jan 4	63¼ May 16
1,000	6,600	Controls Co of America	5	23	23½	26	26½	24	24⅜	24¼ July 30	26 July 17	22½ Jan 21	28¾ May 29
3,500	39,300	Corn Products Co	50c	49½	50	55¾	56¼	55⅜	55⅞	54½ July 17	56¼ July 23	49¾ Jan 3	59¾ May 23
6,800	51,500	Crowell-Collier Publishing	1	19⅛	Sale	16½	16¾	17½	Sale	15¾ July 19	17¾ July 31	14⅜ Apr 2	20½ Jan 4
5,400	27,500	Crucible Steel Co of America (Un)	12.50	16⅞	Sale	21	Sale	21⅛	Sale	19⅝ July 23	21¾ July 17	16⅞ Jan 2	21⅞ Jun 24
5,100	62,100	Curtiss-Wright Corp (Un)	1	17½	17¾	20¾	21	20	Sale	19½ July 24	21⅝ July 3	17⅝ Jan 16	24¼ May 16
1,200	21,500	Deere & Co	1	51¾	Sale	63½	64	61½	Sale	61½ July 30	63⅝ July 2	51¾ Jan 2	69 Jun 11
4,300	26,800	Detroit Edison (Un)	10	31¼	31¾	31⅞	32¼	32	Sale	32 July 3	32⅜ July 16	31⅝ Jan 14	34¾ Jan 30
3,400	27,600	Dodge Manufacturing	5	28⅞	Sale	34¾	Sale	35⅞	Sale	34½ July 12	36 July 31	28⅞ Jan 2	36⅞ Jun 24
4,700	36,200	Dow Chemical Co	5	56	Sale	59¾	Sale	59¼	Sale	56⅜ July 22	61⅛ July 8	55¾ Mar 1	65⅞ May 1
1,000	13,500	du Pont (E I) (Un)	5	234¼	235	243¼	244	246¾	237½	229½ July 26	246¼ July 3	229½ July 26	254 May 10
4,500	16,600	Eastern Air Lines Inc	1	19½	Sale	19⅞	20⅛	24	Sale	19¾ July 8	24⅛ July 29	19¼ Jan 2	24½ Feb 14
3,900	26,500	Eastman Kodak (Un)	10	106⅝	107¼	108½	Sale	109⅞	Sale	106½ July 24	109⅞ July 31	106¼ July 24	122 Apr 26
17,400	131,600	El Paso Natural Gas	3	17⅛	Sale	18⅝	Sale	19	Sale	18⅝ July 1	19⅛ July 23	17⅛ Jan 2	20⅜ Apr 22
----	181	Elder Manufacturing Co	7.50	28	28½	12⅞	16½	12⅞	16½	-- ------	-- ------	12¼ Mar 1	13¾ Apr 26
5,900	52,100	Emerson Electric Mfg	1	12¼	--	34	Sale	34¾	Sale	32¼ July 19	35⅛ July 11	27⅜ Jan 3	36½ May 13
----	----	Erie Lackawanna RR Co	*	--	--	--	--	--	--	-- ------	-- ------	3⅞ Feb 25	3⅞ Feb 25
9,000	113,700	Fairbanks-Whitney Corp	1	4½	Sale	5⅞	Sale	5⅜	Sale	5¼ July 22	5⅞ July 1	4¼ Apr 16	6⅛ Jan 11
2,300	23,700	Fairchild Camera & Instrument Corp (Un)	1	45¼	Sale	37	Sale	34¾	Sale	33 July 25	38½ July 5	32¾ Apr 5	50½ Jan 14
11,800	102,900	Firestone Tire & Rub (Un)	*	35⅛	Sale	x33¼	Sale	32½	Sale	32¼ July 23	35 July 10	32¼ July 23	37⅝ Jan 29
1,400	25,700	First Wisconsin Bankshs	5	45	Sale	48¼	49¼	49	Sale	48½ July 31	49¾ July 3	44¾ Jan 16	49¾ Jun 24
500	4,850	Flour Mills of America Inc	1	6½	7½	6	7¼	6	7½	6½ July 11	6½ July 11	5½ Apr 17	7¼ Feb 8
15,700	284,600	Ford Motor Co	2.50	45⅜	Sale	51⅝	Sale	51¼	Sale	49 July 22	53½ July 5	42 Feb 28	56⅜ Jun 7
4,200	43,200	Foremost Dairies Inc	2	8¾	Sale	9½	Sale	9⅞	Sale	9½ July 1	10⅛ July 11	8¾ Jan 2	11 May 20
7,000	72,750	Fruehauf Corp	1	24¾	Sale	29¾	Sale	28⅝	Sale	27⅝ July 23	30⅜ July 3	24¾ Jan 2	33⅜ Jun 7
800	23,350	FWD Corp	10	8⅞	9	9½	Sale	9½	9⅝	9½ July 1	10 July 9	8¾ Jan 2	10¼ Jan 31
500	9,000	General Amer Transport	1.25	70	70	78	Sale	77¼	78	77¾ July 2	79¾ July 12	67½ Mar 4	81 Jun 6
2,100	13,300	General Bankshares Corp	2	8¾	9	8½	8¾	8⅝	8¾	8⅝ July 24	9 July 11	8⅜ Apr 8	9¼ Jan 24
5,800	79,700	General Box Corp	1	2⅜	Sale	3⅛	Sale	2⅞	3	2⅞ July 29	3¼ July 8	2⅜ Jan 2	3¾ Feb 7
85	3,521	General Candy Corp	5	9½	10	9½	11	9½	10	9½ July 2	9½ July 10	9 Feb 12	12 Apr 9
1,800	54,800	General Contract Finance	2	5	5⅜	4¾	4⅞	4¾	5	4¾ July 2	4⅞ July 24	4⅝ May 24	5⅞ Jun 5
10,100	94,200	General Dynamics	1	28⅝	Sale	25	Sale	25⅜	Sale	23¾ July 22	26⅜ July 9	23½ Jun 27	29½ Feb 6
11,100	93,500	General Electric (Un)	5	76⅜	Sale	78⅛	Sale	77⅞	Sale	76⅛ July 26	80⅝ July 5	72⅛ Mar 6	84¼ Jun 3
3,700	27,000	General Foods Corp	*	77¾	78½	81¾	Sale	82	Sale	79½ July 19	84⅛ July 3	78 Mar 1	85½ Feb 5
7,400	46,100	General Mills	3	31¾	Sale	34½	34⅞	34½	35	32½ July 22	36 July 3	31½ Jan 3	38 Apr 5
52,400	462,200	General Motors Corp	1.66⅔	58	Sale	70⅜	Sale	71	Sale	67 July 22	71⅞ July 31	57⅞ Jan 2	73⅞ Jun 3
7,500	55,600	General Portland Cement	1	17½	Sale	21	Sale	20½	20⅞	20 July 30	21⅞ July 3	17½ Jan 2	23⅛ May 13
700	22,500	Gen Public Util (Un)	2.50	32	32¼	32⅜	32⅝	32¾	Sale	x32¾ July 23	33⅛ July 17	32⅛ Jan 3	34¾ Feb 25
20,600	198,400	General Telephone & Electronics Corp	3.33⅓	23	Sale	24¾	Sale	25¾	Sale	24 July 22	25⅞ July 31	23 Jan 2	26⅝ May 15
6,600	204,400	General Tire & Rubber	30c	21	Sale	24⅝	Sale	23½	Sale	22⅜ July 22	25⅛ July 3	20¾ Jan 16	27¾ May 1
----	4,000	Genesco Inc	1	--	--	--	--	--	--	-- ------	-- ------	36 Mar 26	36 Mar 26
----	500	Gerber Products Co	5	--	--	--	--	--	--	-- ------	-- ------	54¼ Jan 4	54¼ Jan 4
27,600	330,400	Gillette (The) Co	1	31¼	Sale	34⅜	Sale	34½	Sale	33¾ July 19	36½ July 5	28 Jan 11	36¾ Apr 9
----	5,800	Glen Alden Corp (Un)	1	9¾	10	--	--	--	--	-- ------	-- ------	10 Jan 4	12⅞ Feb 11
800	8,200	Glidden Co (Un)	10	36⅜	Sale	40½	41	42¼	42¾	41⅛ July 16	41½ July 3	36⅜ Jan 2	41½ July 3
100	6,600	Goldblatt Brothers	8	14½	15½	14⅛	Sale	14	14½	14⅛ July 1	14⅛ July 1	13 Mar 14	18 Jan 15
16,200	129,200	Goodyear Tire & Rubber	*	33½	Sale	34⅜	Sale	34¾	Sale	33⅜ July 19	34⅞ July 3	32 Mar 1	37⅝ May 16
2,500	17,400	Gossard Co (H W)	*	17¼	18	18	Sale	18⅛	Sale	17¾ July 3	18¼ July 1	17⅛ Jan 4	18¾ Jan 14
9,600	44,800	Granite City Steel	6.25	27⅝	Sale	27⅜	Sale	26¼	Sale	26 July 26	28¼ July 3	26 July 26	33 Apr 16
6,400	38,100	Gray Drug Stores	1	13¾	Sale	12⅜	Sale	14	Sale	12⅛ July 2	15⅛ July 29	12⅛ Jun 27	15⅝ Jan 10
500	15,000	Great Lakes Dredge & Dk	*	44¾	45	55¾	56¾	56½	57¼	56¼ July 23	57 July 10	45 Jan 3	59¾ Jun 17
360	770	Gt Lakes Towing Co com	*	28	--	28	30	28	30	28½ July 8	29 July 30	28 Mar 7	31 Jan 11
----	272	7% non-cum preferred	100	96½	--	96½	--	96½	--	-- ------	-- ------	96½ Apr 1	96½ Apr 1
200	1,705	Greif Bros Cooperage cl A	*	--	--	62	66	62	66	62 July 30	65 July 9	60 Jan 8	65 Jun 7
3,100	45,000	Greyhound Corp (Un)	3	31⅞	Sale	39¼	Sale	39¾	Sale	39 July 2	41 July 11	31½ Jan 2	44¼ May 2
234	3,796	Griesedieck Co	1	12⅜	Sale	13½	--	13½	--	13½ July 11	13⅝ July 11	12⅜ Jan 2	13¾ Apr 10
26,100	151,300	Gulf Oil Corp	8.33⅓	39½	Sale	44¾	Sale	48	Sale	44½ July 2	48⅞ July 12	38¼ Jan 8	48⅞ July 12
800	12,900	Gulf States Utilities Co	*	39⅝	Sale	35¼	35½	37½	Sale	37⅜ July 17	37¾ July 16	34⅝ Jan 3	39 Mar 15
----	2,600	Hammond Organ Co	1	--	--	--	--	--	--	-- ------	-- ------	22 Mar 6	22⅝ Jan 25
3,300	23,200	Hanna (M A) Co	2.50	26¼	26½	31¾	Sale	32	Sale	30½ July 26	32½ July 2	26¼ Jan 3	33 May 16
2,650	20,050	Heileman (G) Brewing	1	15½	16	19½	Sale	19⅝	20	19¼ July 24	19⅞ July 5	16 Jan 4	20½ Jun 20
1,650	18,025	Hein-Werner Corp	3	15	15¼	17½	Sale	18	Sale	17½ July 1	21 July 16	13¾ Jan 25	21 July 16
4,800	23,600	Heller (W E) & Co	25c	17⅝	Sale	14⅛	Sale	14	Sale	13⅝ July 5	14⅛ July 1	13⅝ July 5	18⅞ Jan 28
1,400	12,100	Hertz Corp	1	44½	45	51	Sale	46⅛	46⅜	46⅞ July 29	51 July 1	42 Feb 12	54½ Jun 7
90	718	Hibbard Spencer Barlett	25	--	153	140	Sale	142	150	140 July 1	150 July 18	140 Jun 26	181 May 14
500	4,100	Holmes (D H) Co Ltd	20	23	23¾	30	31	30	30½	30 July 19	31 July 3	24 Jan 4	31 Jun 28
8,700	135,000	Howard Industries Inc	1	6¾	Sale	6⅞	Sale	6½	Sale	6½ July 29	7 July 9	6⅜ Jan 3	8⅛ Feb 4
----	1,500	Hubbell (Harvey) class A	5	--	--	--	--	--	--	-- ------	-- ------	17⅝ Mar 7	17⅝ Mar 7
1,200	16,500	Hupp Corp	1	7⅞	Sale	7	7⅛	6⅞	Sale	6¾ July 23	7⅛ July 3	6¾ July 23	8½ Jan 9
2,600	9,500	Huttig Sash & Door	10	24½	25¼	28	Sale	27⅞	28⅜	28 July 1	30 July 15	25¼ Jan 3	30⅜ Jun 3
450	43,400	Illinois Brick Co	10	18¾	19½	23⅛	Sale	22¼	23½	22½ July 24	23⅛ July 1	19 Jan 8	26½ Mar 8
3,100	26,800	Illinois Central RR	*	39⅜	Sale	55¾	56	53¾	54	51½ July 24	59 July 9	39⅜ Jan 2	59 Jun 24
----	21	Indiana & Michigan Electric Co 4⅛% preferred	100	--	--	--	--	--	--	-- ------	-- ------	92 May 10	92 May 10
400	1,400	Indianapolis Pow & Light	*	--	--	--	--	--	--	32¼ July 5	32¼ July 5	31 Mar 13	32⅝ Jun 18
14,100	77,600	Inland Steel Co	*	36⅜	36¾	39½	Sale	41	Sale	38½ July 16	41⅛ July 30	36 Mar 1	42¾ May 31
4,550	23,100	Interlake Steamship Co	*	25	25¾	30⅛	30¾	28½	Sale	27⅛ July 24	30½ July 15	26 Jan 4	32 Apr 23
6,300	59,400	Int'l Harvester Co	*	49¾	50⅛	58	Sale	54¾	Sale	54¼ July 23	59½ July 9	50⅞ Jan 4	63 May 20
3,100	24,900	Int'l Minerals & Chem	5	40¾	41¼	51⅞	Sale	51⅜	Sale	50¼ July 3	53⅞ July 11	40¼ Jan 3	56½ Jun 3
1,000	10,500	Int'l Nickel Co (Un)	*	62⅜	62⅞	61	61½	58	Sale	57⅞ July 30	61⅞ July 10	57⅞ July 30	67⅜ Jan 31
13,900	111,400	Internatl Paper (Un)	2.50	26⅜	Sale	30⅜	Sale	28½	28¾	28½ July 16	30½ July 1	26⅜ Jan 2	32½ Apr 8
4,500	17,800	International Shoe Co	*	25	25¾	25⅝	Sale	24⅜	Sale	24⅜ July 31	25⅞ July 10	24⅜ July 31	28¼ Apr 24
3,100	49,400	Int'l Tel & Tel (Un)	*	41⅞	42⅛	49¾	Sale	49½	Sale	48¼ July 23	51 July 8	42⅝ Mar 21	51 July 8
----	2,000	Iowa Power & Light	10	--	--	--	--	--	--	-- ------	-- ------	55¼ Mar 28	55¼ Mar 28
6,000	35,900	Jefferson Electric Co	5	9	Sale	8⅜	Sale	8	Sale	8 July 29	8½ July 8	8 July 29	10 Jan 15
200	17,200	Johns Manville Corp (Un)	5	43	43½	46¼	46¾	46¾	Sale	46½ July 30	47⅞ July 22	43 Jan 3	51 Jun 6
100	1,680	Johnson Stephens Shinkle	*	6	6⅜	5⅜	6	5½	6	5⅜ July 5	5⅜ July 5	5⅜ Apr 24	6½ Mar 19
1,700	21,100	Jones & Laughlin Steel (Un)	10	47⅞	Sale	53¾	Sale	54¼	Sale	53¼ July 9	55⅛ July 17	47⅞ Jan 2	58⅛ Apr 15

*No par value. ‡Corrected volume. a Deferred delivery sale. r Cash sale. w Ex-dividend. (Un) Issue admitted to unlisted trading privileges y Ex-rights. z Ex-stock dividend.

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Aggregate Sales in July Shares	Since Jan. 1 Shares	Midwest Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY — July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 — Lowest Sale Prices	Highest Sale Prices
2,300	24,500	Kaiser Alum & Chem	33⅓	35⅝	Sale	36¾	37¼	34	Sale	33⅛ July 25	39⅜ July 11	32¾ Mar 1	42 Jun 5
----	8,100	Kansas City Pw & Lt (Un)	*	--	--	--	--	--	--	-- ------	-- ------	39½ Apr 17	40⅜ Feb 5
300	3,600	Kansas Pwr & Lt (Un)	8.75	47½	48¼	50	51	50¾	51½	51 July 11	51½ July 25	49⅝ May 22	53½ Mar 7
6,900	49,700	Kennecott Copper (Un)	*	66¾	Sale	72	72½	72¾	Sale	71⅝ July 29	73⅝ July 3	66¾ Jan 2	79¼ May 2
3,000	32,400	Kimberly-Clark Corp	5	54⅛	Sale	58⅝	59	63½	64	58¾ July 2	63⅝ July 30	52⅝ Mar 13	63⅝ July 30
300	11,700	Knapp Monarch Co	1	6⅝	Sale	7	7¾	7⅛	7¼	7 July 5	7⅛ July 8	6⅝ Jan 2	8⅛ Mar 11
1,100	13,700	Laclede Gas Co	4	27¾	Sale	29⅝	Sale	29¾	30¼	29¼ July 2	30⅛ July 8	27¾ Jan 2	35⅜ May 7
600	5,850	Leath & Co	*	19⅛	20	20	21	20¾	21¼	20⅝ July 25	21 July 10	19⅛ Jan 14	23½ Apr 22
1,900	91,700	Libby McNeil & Libby	7	12¼	12½	14¾	15	14¾	Sale	14⅝ July 19	15 July 11	12¼ Jan 22	16¼ May 1
1,800	20,400	Liggett & Myers Tob (Un)	25	66¾	Sale	74⅜	74¾	74¾	Sale	73⅛ July 17	76 July 11	66¾ Jan 2	83¾ May 6
2,400	21,900	Lincoln Printing Co com.	50c	9	Sale	6	Sale	6¾	7	5⅝ July 3	7 July 8	5 Jun 21	9⅜ Jan 2
----	20	$3.50 preferred	*	--	46	--	43	--	42	-- ------	-- ------	43¾ Jan 28	43¾ Jan 28
5,800	37,000	Ling Temco Vought (Un)	50c	16½	Sale	14	14¼	13½	Sale	13¾ July 12	17¼ July 31	13¾ July 12	18⅛ Feb 27
4,500	29,500	Lockheed Aircraft (Un)	1	52¾	53¼	56⅜	Sale	49⅝	Sale	48⅜ July 23	57 July 2	48⅜ July 23	58¼ Jun 25
600	800	New common	1	--	--	42½	43	37½	37⅞	38⅜ July 26	42⅝ July 9	38⅜ July 26	43¾ Jun 24
2,600	30,200	Lorillard (P) Co (Un)	5	42½	42⅞	46⅜	Sale	44⅝	Sale	44⅝ July 29	46⅞ July 5	42½ Feb 28	54 Apr 18
----	500	Louisville Gas & Electric	*	--	--	--	--	--	--	-- ------	-- ------	36 Apr 19	36 Apr 19
3,000	8,000	Lytton's (Henry C) & Co	1	8¼	8¾	8⅛	8⅝	8⅞	9⅛	8¼ July 10	9⅜ July 18	8¼ Jan 31	11⅛ Apr 26
4,800	41,400	Marathon Oil Co	*	44½	Sale	56¼	56¾	55½	Sale	53¾ July 23	59¼ July 8	43½ Feb 28	59¼ July 8
51,400	103,800	Marquette Cement Mfg	4	37	Sale	37¼	Sale	33⅝	34⅛	33½ July 30	38¼ July 3	33½ July 30	40¼ May 23
5,800	49,100	Marshall Field & Co	*	33¾	34¼	33¼	Sale	35	Sale	33¼ July 1	35¼ July 5	32⅝ Apr 3	38¼ Feb 5
21,600	202,800	Martin-Marietta (Un)	1	21⅝	Sale	19	Sale	18¾	Sale	18 July 26	20 July 5	18 July 26	22⅝ Jan 4
----	3,500	McCrory Corp	50c	16	16⅜	--	--	--	--	-- ------	-- ------	13¼ Apr 30	17 Feb 6
265	1,414	McKay Machine Co	*	47¾	Sale	50	Sale	47	50	47 July 26	50 July 1	47 July 26	51 Apr 22
1,850	18,050	Means (F W) & Co	*	35¼	Sale	47	47½	47¼	Sale	46⅞ July 8	47¾ July 31	35 Jan 2	47¾ July 31
1,000	8,000	Merck & Co (Un)	16⅔c	77⅜	78¼	89¼	89¾	95⅛	95⅝	90⅞ July 2	95⅜ July 10	79¼ Jan 4	95⅜ July 10
3,300	15,100	Merritt Chapman & Scott	12½	12	12¼	11⅞	12⅛	11⅞	12⅛	11½ July 16	12⅛ July 2	11½ July 16	13¼ Apr 26
4,100	15,900	Metropolitan Brick Inc	4	5⅝	Sale	5	5¼	5	5¼	5 July 8	5⅛ July 2	4¾ Jun 3	6 Feb 8
278	3,792	Meyer Blanke Co	*	9⅛	Sale	7½	8½	7½	9½	7½ July 3	7½ July 3	7½ Apr 29	9⅛ Jan 2
800	8,250	Mickelberry's Food Prod	1	17	17½	18¾	19	18¼	19	18 July 22	18¾ July 16	17 Jan 9	19¾ Jun 13
3,100	48,700	Middle South Utilities	10	35¼	35¾	36⅞	Sale	37¾	Sale	36½ July 2	38 July 31	35 Jan 17	39 Apr 1
2,500	28,500	Minneapolis Brewing Co	1	10⅛	Sale	11½	Sale	11⅞	Sale	11½ July 1	12 July 10	10⅛ Jan 2	13¼ May 27
40,400	167,500	Minn Min & Mfg (Un)	*	53	Sale	56¾	Sale	59¾	Sale	55⅞ July 2	59⅞ July 31	53 Jan 2	64⅜ Apr 24
4,100	62,400	Mississippi River Fuel	10	38⅜	Sale	38½	38⅞	37⅝	Sale	37½ July 22	39¼ July 3	37½ Mar 19	43½ Feb 18
----	100	Missouri Portland Cem't	6.25	--	--	--	--	--	--	-- ------	-- ------	36⅜ May 16	36'⅜ May 16
350	8,950	Modine Manufacturing Co	*	26	27	29	30	28	29	29 July 2	29 July 2	25¼ Mar 13	31½ May 24
1,246	4,553	Monroe Chemical Co	*	4	4⅞	3	4	3½	5	4½ July 16	4¾ July 19	3½ Jan 16	4¾ Apr 17
6,200	63,300	Monsanto Chemical (Un)	2	49¾	Sale	50½	Sale	51⅛	Sale	50⅜ July 3	52½ July 25	49 Jan 17	54½ Apr 10
14,800	173,500	Montgomery Ward & Co	*	32½	Sale	38⅛	Sale	37¼	Sale	36⅝ July 23	38⅛ July 1	32½ Jan 3	41¼ Jun 12
800	5,000	Morris (Philip) Inc (Un)	5	74¼	74¾	77½	78	74¼	Sale	74 July 30	79⅞ July 11	72¾ Feb 20	88 Apr 19
3,000	43,800	Motorola Inc	3	60¾	Sale	73⅛	Sale	74¾	Sale	67 July 22	74¾ July 31	58½ Apr 5	75½ Jun 13
----	3,100	Muter Co	50c	3⅞	4⅜	4⅛	4⅝	3⅞	4¼	-- ------	-- ------	4⅛ Jan 3	5⅛ Mar 14
----	5,500	Nachman Corp	5	--	--	--	--	--	--	-- ------	-- ------	5 Feb 26	5⅛ Apr 3
1,300	21,800	Nat'l Cash Register (Un)	5	80¼	80¾	69¾	Sale	67	Sale	65⅛ July 22	70⅜ July 2	65⅛ July 22	80⅝ Jan 8
6,700	46,900	Nat'l Distillers & Chem Corp (Un)	5	24⅜	Sale	25⅛	Sale	25⅜	Sale	24⅞ July 22	25⅞ July 10	24 Feb 28	26⅛ Jan 28
1,500	16,000	Nat'l Gypsum Co (Un)	1	40½	40⅞	47⅛	Sale	44⅛	44½	43½ July 22	47¼ July 3	41⅜ Jan 4	50 May 3
13,100	43,400	National Lead Co	5	--	--	71⅛	71⅝	74¾	Sale	71½ July 2	74⅞ July 31	70 May 27	76½ Apr 1
300	9,300	National Tile & Mfg	1	3⅛	Sale	4	4¼	4⅛	4¼	4 July 2	4 July 2	3 Feb 5	5¼ Mar 27
6,000	39,800	New York Central RR	1	15⅜	Sale	21⅝	Sale	20	20¼	19½ July 23	22⅜ July 10	15¼ Jan 2	23½ Jun 25
4,300	41,400	Nor Amer Aviation (Un)	1	64¾	65	57½	Sale	55½	56	54½ July 19	60¼ July 8	54½ July 19	64⅞ Apr 8
900	9,000	North American Car Corp	7	24⅜	Sale	22¾	23¼	22¼	22¾	22⅛ July 25	22¾ July 17	21 Mar 5	25⅝ May 2
250	3,650	Northern Illinois Corp	*	15	15½	17⅝	18¼	17⅝	18	17⅝ July 10	18¼ July 22	15 Jan 7	18¼ July 22
34,400	194,900	Northern Illinois Gas Co	5	58½	Sale	60¼	Sale	61¼	Sale	60¼ July 1	62⅜ July 15	57¾ Jan 7	66½ May 15
7,200	57,100	Northern Indiana Public Service Co	*	39½	39⅞	51⅝	Sale	54⅛	Sale	51¼ July 2	55 July 26	43¾ Jan 4	55 July 26
2,300	19,900	Northern Natural Gas Co	10	43⅜	Sale	53⅛	Sale	52⅞	Sale	49½ July 16	53⅛ July 1	43⅜ Jan 2	54⅜ May 13
2,200	30,900	Northern Pacific Ry (Un)	5	39½	39⅞	46¼	46¾	46⅝	47	43⅜ July 22	48 July 3	39⅛ Jan 17	48½ Jun 21
4,900	41,300	Northern States Power (Minn) (Un)	5	35½	Sale	36⅜	Sale	36¼	Sale	36⅛ July 30	36⅞ July 11	33½ Mar 29	38¼ Jun 5
2,900	8,400	Northwest Bancorp	3.33	44	44¾	47½	48	46	46½	46⅛ July 26	46¾ July 19	43¾ Jan 8	49¾ Jan 29
----	17,700	Oak Manufacturing Co	1	13⅛	13⅜	--	--	--	--	-- ------	-- ------	13¼ Jan 7	17½ Apr 1
4,200	11,200	Ohio Edison Co	15	47¼	Sale	47½	48	46⅞	Sale	46½ July 26	47¾ July 16	46⅛ July 26	50½ Feb 13
12,700	25,100	Oklahoma Nat Gas Co	7.50	36¼	36¾	35⅞	Sale	37⅞	Sale	35⅞ July 1	37⅞ July 29	34⅝ May 31	37⅞ Mar 5
5,900	33,600	Olin Mathieson Chemical	5	31½	Sale	41¼	Sale	40½	Sale	38½ July 22	43 July 5	31½ Jan 2	44⅜ Jun 24
----	2,600	Owens-Illinois Glass Co	6.25	--	--	--	--	--	--	-- ------	-- ------	72½ Jan 24	72½ Jan 24
2,900	24,200	Pacific Gas & Elec (Un)	10	32	Sale	31⅝	Sale	31½	31¾	31 July 24	31⅞ July 8	31 July 24	34½ Jan 28
3,200	15,300	Packaging Corp of Amer	5	15⅞	16¼	14⅜	14⅝	14¾	Sale	14⅛ July 11	14¾ July 2	14 Apr 25	17½ Jan 16
6,400	70,900	Pan American World Airways Inc (Un)	1	22	Sale	36	Sale	38⅝	Sale	34⅞ July 1	40⅛ July 10	21¾ Jan 4	41⅛ Jun 4
800	3,000	Paramount Pictures (Un)	1	36⅛	36⅝	41½	Sale	43¾	44¼	39½ July 19	42½ July 30	36 Mar 20	46 May 20
8,600	115,100	Parke-Davis & Co	*	24¾	25	x25¾	Sale	26⅜	Sale	x25½ July 1	27¼ July 16	24½ Mar 20	29¾ May 1
----	700	Parker Pen class B	2	--	--	--	--	--	--	-- ------	-- ------	22⅜ May 9	22⅝ May 6
1,100	19,500	Peabody Coal Co	5	30⅝	30⅞	36½	Sale	36¼	36¾	35⅞ July 25	37½ July 11	29⅝ Jan 28	38 Jun 24
16,800	110,200	Pennsylvania RR	10	13¼	Sale	19⅜	Sale	18¼	Sale	17 July 23	20¼ July 10	13¼ Jan 2	20¼ July 10
6,500	51,500	Peoples Gas Lt & Coke	*	47½	Sale	52⅝	Sale	52¼	52¾	48 July 24	53¼ July 3	46 Feb 12	56⅛ May 15
1,100	16,500	Pepsi-Cola Co	33⅓c	46⅛	46½	50⅞	51⅛	53¾	Sale	52 July 3	54¾ July 15	46½ May 27	54¾ July 15
10,200	46,200	Pfizer (Charles) (Un)	33⅓c	47	Sale	51½	Sale	48½	Sale	47½ July 22	51¾ July 10	47 Jan 2	54⅞ May 9
2,700	22,400	Phelps Dodge (Un)	12.50	54¾	Sale	60½	60⅞	62	62⅜	61⅜ July 5	62⅛ July 26	53 Mar 1	62½ Jun 14
12,600	87,500	Phillips Petroleum Co (Un)	5	49	Sale	50⅞	Sale	52	Sale	49⅞ July 19	52¾ July 5	47⅛ Jan 14	55½ Jun 7
160	3,030	Potter Co (The)	1	16½	18½	11	14½	12	15⅞	14½ July 5	16 July 5	12 Jun 20	17 Feb 5
----	23	Process Corp	*	14¾	--	16⅜	--	16⅜	--	-- ------	-- ------	15 May 21	16⅜ May 21
4,200	45,300	Procter & Gamble (Un)	*	70⅞	Sale	75½	Sale	73	73½	72⅝ July 30	77½ July 5	70⅛ Mar 1	79 Apr 16
----	16,000	Pub Serv Co of Colo	5	--	--	--	--	--	--	-- ------	-- ------	28⅞ Apr 10	29⅜ Jan 16
2,600	33,000	Public Serv Corp of Ind	*	32¼	32¾	39	39½	39⅞	40¼	39½ July 3	40⅞ July 25	32½ Jan 4	40⅞ July 25
4,600	35,100	Pullman Co (Un)	*	24⅛	Sale	29½	Sale	27½	Sale	26⅞ July 24	29⅝ July 5	24 Jan 2	31½ Jun 3
16,900	73,800	Pure Oil Co	5	37	37¼	44	Sale	44⅛	44½	43⅜ July 19	45¼ July 3	36½ Jan 11	45¼ July 3
800	11,700	Quaker Oats Co	5	62	62¾	65½	Sale	64¼	64¾	62 July 23	65½ July 1	61¼ Apr 17	69 Jan 24
9,300	83,600	Radio Corp of Amer (Un)	*	57¼	Sale	69	Sale	68½	Sale	67⅛ July 22	71⅛ July 11	56¾ Jan 3	74⅜ Jun 13
2,600	28,700	Raytheon Company	5	28⅜	28⅝	22⅝	22⅞	21¾	Sale	21 July 22	23⅝ July 3	21 July 22	30¼ Feb 25
6,900	95,400	Republic Steel (Un)	10	35	Sale	36⅞	Sale	36¾	Sale	36 July 22	37¼ July 30	34⅞ Jan 2	41¼ Apr 16
4,600	29,300	Revlon Inc	*	40⅝	Sale	40⅜	40¾	42	Sale	40½ July 25	44¼ July 9	40½ July 25	48⅜ Jan 24
4,900	28,000	Rexall Drug & Chemical (Un)	2.50	33	Sale	33¾	Sale	39	Sale	33⅝ July 1	38⅛ July 18	29⅛ Mar 8	38⅛ July 18
12,100	120,800	Reynolds Metals Co (Un)	*	23¾	Sale	33⅞	Sale	31⅛	Sale	29¾ July 22	35⅜ July 11	23¾ Jan 2	37⅛ Jun 12
24,500	173,900	Reynolds (R J) Tob (Un)	5	41¾	Sale	39	Sale	37⅞	Sale	36¾ July 17	40 July 3	36¾ July 17	47¼ May 14
6,050	61,650	Richman Bros Co	*	28	Sale	27¼	Sale	28	28⅜	27¼ July 1	28 July 3	27⅛ Jun 27	30⅞ Jan 2
----	400	Rockwell Standard Corp	5	--	--	--	--	--	--	-- ------	-- ------	39⅜ May 6	40⅜ May 22
39,800	191,000	Royal Dutch Petrol (Un)	20g	43⅝	Sale	47½	Sale	48	Sale	44⅝ July 19	48⅞ July 5	43½ Jan 2	49¾ May 1

*No par value. ‡Corrected volume. a Deferred delivery sale. r Cash sale. t Ex-liquidating distribution. x Exdividend. (Un) Issue admitted to unlisted trading privileges. y Ex-rights.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Midwest Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
255	3,082	St Louis Nat Stockyards	*	--	53	50½	Sale	51	Sale	48¾ July 15	51 July 31	48 Jan 9	53 Jan 7
----	58,200	St Louis Pub Serv cl A	12	13⅜	Sale	--	--	--	--	-- ------	-- ------	13⅜ Jan 2	14 Apr 25
1,300	47,900	St Regis Paper Co	5	26⅝	Sale	30¼	30½	29¼	29¾	29¼ July 26	30⅝ July 18	26⅝ Jan 2	34¼ Apr 23
6,400	87,200	San Diego Imperial Corp	1	10	Sale	11½	Sale	12	Sale	11⅜ July 1	12⅞ July 10	10 Jan 2	13¾ Apr 15
----	4,200	Sangamo Electric Co	5	11⅝	11⅞	--	--	--	--	-- ------	-- ------	11¼ Apr 10	13⅛ Jan 11
2,800	21,100	Schenley Indus (Un)	1.40	18⅜	18⅝	21½	Sale	20¾	21	20⅝ July 25	22⅜ July 9	18½ Jan 3	23 May 21
3,300	25,300	Schering Corp (Un)	1	40⅜	40⅝	38¼	Sale	36¾	Sale	35½ July 22	38¼ July 1	35½ July 22	44⅞ Jan 18
1,098	9,291	Schwitzer Corp	1	59	Sale	80½	Sale	76½	77	76¼ July 12	80½ July 1	59 Jan 2	81 Jun 28
11,800	105,900	Sears Roebuck & Co	3	76½	Sale	89⅜	Sale	88⅜	Sale	86 July 19	90¼ July 9	74⅜ Jan 17	90½ Jun 17
1,000	16,000	Servel Inc	1	9⅛	9¾	7½	7¾	7⅜	7⅝	7½ July 2	7¾ July 15	7¼ Jun 4	11¼ Jan 22
2,900	11,900	Shaeffer (WA) Pen Co cl A	1	8⅛	8⅝	8⅞	Sale	8½	9	8⅝ July 24	9¼ July 9	8½ Jun 10	9¼ Apr 11
1,600	9,900	Class B	1	8¼	8⅝	9	Sale	8⅝	9	8⅝ July 25	9⅛ July 12	8⅝ Jan 3	9⅜ Apr 30
2,700	43,300	Shell Oil Co	1	38	Sale	43¾	44¼	43	43¾	43⅝ July 2	44¾ July 11	34¾ Jan 17	44⅞ Jun 28
----	2,000	Signode Steel Strapping	1	23⅞	24¼	--	--	--	--	-- ------	-- ------	22½ Mar 4	22⅝ Mar 4
11,200	102,500	Sinclair Oil Corp	5	35⅞	Sale	43⅞	Sale	46⅛	Sale	43 July 22	46⅜ July 31	35½ Jan 2	46⅝ Apr 30
11,100	79,900	Socony Mobil Oil (Un)	15	58¾	Sale	68¾	Sale	x69½	Sale	68 July 22	70⅜ July 5	58½ Jan 22	70⅜ July 5
3,300	68,100	Southern Co (Un)	5	51¼	Sale	53⅛	Sale	55⅞	Sale	53⅛ July 1	56 July 26	51⅛ Jan 2	56⅞ May 13
7,800	85,100	Southern Pacific Co (Un)	*	29½	Sale	36⅞	37⅛	34⅜	34⅝	33½ July 23	36⅜ July 3	28½ Feb 28	37⅜ Jun 25
1,200	8,900	Southwest'n Pub Serv Co	1	34¼	34¾	37	Sale	36⅛	Sale	36⅛ July 31	37¼ July 3	33½ Mar 8	38 Jun 21
----	45	Sparton Corp 6% pfd	100	89½	96	88½	--	88½	--	-- ------	-- ------	95 Jun 7	96 Mar 18
29,700	282,100	Sperry-Rand Corp (Un)	50c	13¾	Sale	14½	Sale	15⅜	Sale	13⅞ July 22	15⅝ July 31	13 Jan 11	16½ Jun 12
3,200	28,600	Spiegel Inc	*	25¼	Sale	28¾	Sale	27	Sale	26¼ July 22	29 July 9	25¼ Jan 2	32¼ May 20
3,400	14,800	Square D Co (Un)	5	36¼	Sale	45	Sale	45½	Sale	44¼ July 2	46¼ July 5	36 Jan 2	47½ May 17
----	900	Standard Dredging	1	7⅝	8⅛	11	11½	10½	11	-- ------	-- ------	8⅛ Jan 16	10½ Jun 20
1,600	14,100	Stand Kollsman Ind (Un)	1	18¾	19	14¾	Sale	13⅜	13⅝	13½ July 23	14¾ July 1	13½ July 23	20½ Feb 14
4,600	42,100	Stand Oil Co of Calif	6.25	62	Sale	64¼	Sale	66¾	Sale	64¼ July 1	66⅞ July 31	61½ Feb 28	69 Apr 24
17,800	171,500	Standard Oil of Indiana	25	47	Sale	60	Sale	62	Sale	57⅛ July 22	62 July 31	47 Jan 2	62 July 31
34,200	306,700	Standard Oil N J (Un)	7	59½	Sale	68⅜	Sale	70¼	Sale	67½ July 1	70¾ July 31	58½ Jan 2	70¾ July 31
3,000	26,400	Standard Oil of Ohio	10	53¼	Sale	62	62½	65⅞	Sale	61⅝ July 11	65⅞ July 31	52¾ Jan 2	70 May 13
2,000	23,100	Standard Packaging	1	14½	Sale	13¼	Sale	13¾	Sale	12½ July 15	13¾ July 31	12½ July 15	16⅛ Jan 15
----	10,400	Stanray Corp	1	7¼	Sale	--	--	--	--	-- ------	-- ------	7¼ Jan 2	9⅜ Feb 25
1,300	28,100	Stewart-Warner Corp	2.50	30	Sale	34⅝	35	35	35⅜	33¾ July 12	34⅞ July 2	29¼ Feb 25	37 Jun 10
1,785	9,449	Storkline Corp	5	31	Sale	--	39⅞	--	44	38½ July 11	45 July 15	28¼ May 3	45 July 15
28,600	225,200	Studebaker Corp (Un)	1	6¼	Sale	6⅝	Sale	6⅝	Sale	6 July 23	6⅞ July 5	5⅞ May 20	8 Feb 14
9,700	32,600	Sunbeam Corp	1	42½	43	54	Sale	53½	54	52 July 26	54½ July 12	42 Jan 25	54¾ Jun 24
900	27,200	Sunstrand Corp	5	22¼	Sale	26¼	Sale	24½	24⅞	24¼ July 26	26¼ July 1	22¼ Jan 2	28 May 23
53,100	189,600	Sunray D X Oil Co	1	25½	Sale	33¼	Sale	34⅝	Sale	32⅝ July 1	36 July 17	25½ Jan 2	36 July 17
5,400	31,000	Swift & Co	25	40¾	Sale	39¾	Sale	40½	Sale	38¾ July 19	40⅝ July 31	38¾ July 19	43⅞ Apr 10
38,700	322,300	Tenn Gas Transmission	5	18	Sale	20¼	Sale	20⅛	Sale	19½ July 29	20¼ July 1	17⅞ Jan 2	21½ Apr 30
13,700	118,500	Texaco Inc	12.50	61¾	Sale	70½	Sale	72¼	Sale	69⅜ July 1	73⅝ July 8	59½ Jan 7	73⅝ July 8
13,000	94,000	Texas East'n Trans Corp	3.50	16⅜	Sale	18½	Sale	18⅛	Sale	18⅛ July 31	19 July 9	16⅜ Jan 2	19 Jun 13
----	5,300	Texas Gas Transmission	5	41½	42	--	--	--	--	-- ------	-- ------	41½ Mar 4	45 Apr 17
4,500	47,700	Texas Gulf Producing	3.33⅓	41⅝	42⅛	57⅜	58	57	57⅝	56 July 22	61⅛ July 5	43½ Jan 9	62 Jun 12
7,400	100,500	Texas Gulf Sulphur (Un)	*	14⅛	Sale	14½	Sale	15⅛	Sale	14¼ July 2	15⅛ July 31	13¾ Mar 27	16⅝ Apr 24
800	800	Texas Utilities Co	*	--	--	52⅝	Sale	--	--	52⅝ July 1	52⅝ July 1	52⅝ July 1	52⅝ July 1
2,000	37,400	Textron Inc	50c	29⅞	Sale	35½	35¾	35⅞	Sale	33 July 22	36¼ July 8	29½ Mar 21	38½ Jun 7
400	4,200	Thompson Ramo-Wooldr	5	52¼	52¾	56	56½	53¼	53¾	52½ July 23	56⅜ July 2	52½ July 23	59½ Jun 5
1,900	2,500	Thor Power Tool Co	*	29	29½	--	--	--	--	30¾ July 23	30¾ July 23	30¾ July 23	32¾ Feb 12
500	3,500	Toledo Edison Co	5	26¼	26½	28½	28⅞	29¼	29½	28¾ July 26	29⅝ July 16	25¾ Mar 1	29⅝ July 16
2,000	4,800	Trane Co	2	--	--	--	--	--	--	70 July 25	70 July 25	70 July 25	75¼ May 1
3,200	14,900	Transamerica Corp (Un)	2	44⅝	45	50¾	Sale	52	Sale	50 July 1	52⅜ July 17	44¾ Feb 5	53⅞ May 6
----	4,400	Trav-ler Industries	1	4	4¼	--	--	--	--	-- ------	-- ------	4 Apr 2	4¾ Jan 10
1,400	10,500	Tri-Continental Corp (Un)	1	42¼	42¾	45¾	46¼	45¾	46¼	44½ July 22	47 July 12	42¾ Mar 4	48 Apr 8
2,800	15,300	20th Cent-Fox Film (Un)	1	20	20¼	29	Sale	28¾	29¼	28¼ July 30	30½ July 3	21⅞ Jan 4	36 May 31
150	1,040	208 So La Salle St Corp	*	72½	77	75½	77	74½	75½	74⅜ July 18	75½ July 3	71½ Jan 7	76 Jan 10
600	5,900	Union Bag-Camp (Un)	6⅔	34½	35	35½	Sale	35⅝	35⅞	35⅛ Judly 25	35½ July 1	35⅛ July 25	41 May 23
7,500	67,800	Union Carbide Corp	*	101	Sale	103⅛	Sale	105⅞	Sale	102⅝ July 19	106 July 31	101 Jan 2	112 May 17
13,800	31,800	Union Electric (Un)	5	--	--	26¾	Sale	27⅛	Sale	26¾ July 1	27⅜ July 2	26¾ July 1	28¼ May 7
1,500	14,400	Union Oil of Calif	25	63	63⅜	73	Sale	74½	Sale	71 July 22	75⅛ July 12	60¼ Jan 25	75⅛ July 12
8,000	74,700	Union Pacific RR (Un)	10	33½	Sale	41¼	Sale	39⅜	Sale	37¾ July 23	41½ July 10	33½ Jan 2	42 Jun 3
3,700	18,800	United Air Lines Inc	10	31⅞	32¼	37⅜	37¾	38¼	Sale	37 July 19	38¾ July 31	32⅛ Jan 7	43 Jun 21
2,500	31,900	United Fruit Co (Un)	*	21⅞	Sale	26⅞	27⅛	24⅞	25¼	24⅛ July 23	27⅛ July 9	21⅞ Jan 2	30 May 22
11,100	50,400	U S Gypsum	4	73½	74	81¾	Sale	85½	Sale	81¾ July 1	86 July 22	73⅞ Jan 3	86½ Jun 7
3,700	27,800	U S Rubber (Un)	5	40⅜	40¾	44⅝	44⅞	45⅜	Sale	44¼ July 10	45⅝ July 12	40⅝ Jan 3	49 May 21
30,800	328,200	U S Steel Corp	16⅔	44⅛	Sale	48⅛	Sale	47	Sale	45½ July 22	48⅛ July 1	43⅝ Jan 2	54 Apr 16
4,700	61,900	Universal Match Corp	2.50	13⅞	Sale	17¾	Sale	16½	Sale	16 July 22	18 July 2	13½ Apr 4	20⅜ Jun 13
5,200	47,600	Universal Oil Products Co	1	38¼	38⅝	35⅜	Sale	34¼	Sale	34¼ July 31	38⅛ July 5	28½ Apr 2	42⅜ Jan 9
3,700	38,400	Upjohn Co (Un)	1	33	Sale	41⅝	Sale	40⅞	Sale	39¾ July 19	41¾ July 5	33 Jan 2	42½ May 15
1,400	8,200	Walgreen Co	10	46½	47	42⅞	Sale	43¾	44¼	42⅞ July 1	45¼ July 18	42⅛ Jun 11	48⅛ Feb 1
5,500	88,500	Webcor Inc	1	6⅝	Sale	5½	Sale	5½	Sale	5¼ July 1	6 July 11	5¼ May 9	7¾ Jan 7
3,700	26,000	Western Bancorp (Un)	2	32⅜	32¾	38¼	38⅝	39⅝	Sale	38½ July 22	40⅛ July 9	32 Jan 17	40⅛ July 19
12,500	89,500	Western Union Teleg	2.50	26⅝	Sale	25⅞	Sale	27½	Sale	25¾ July 1	29 July 11	25⅜ Jun 25	33 Apr 9
12,600	122,400	Westinghouse Electric	6.25	32	Sale	35⅛	Sale	34¾	Sale	33¾ July 23	36⅛ July 10	31⅞ Jan 3	38¾ Jun 5
2,300	39,600	Whirlpool Corp	5	35¾	36⅛	43⅝	Sale	43½	43⅞	41⅜ July 11	43¾ July 3	36½ Jan 11	51 Jun 7
1,500	1,500	White Motor Co new	1	--	--	--	--	29½	Sale	28¼ July 19	29⅝ July 17	28¼ July 19	29⅝ July 17
75	610	Wieboldt Stores $4.25 pfd	*	79	84⅞	75⅛	--	--	80	75 July 5	75 July 5	75 Feb 25	81 Apr 4
700	7,500	Wilson & Co (Un)	*	38¼	Sale	42	42½	38	38¾	37⅝ July 26	42 July 8	37⅝ July 26	44 Jun 14
4,000	11,800	Wisconsin Elec Pwr (Un)	10	--	--	30⅛	Sale	29⅜	Sale	28⅞ July 26	30⅜ July 15	28⅞ July 26	32 Jun 21
----	5,900	Wisconsin Public Service	10	44½	Sale	--	--	--	--	-- ------	-- ------	42¾ Jan 30	46¾ May 13
2,600	16,100	Woolworth (FW) Co (Un)	10	64⅜	Sale	68½	Sale	67¾	68¼	68⅜ July 30	70⅝ July 8	63¼ Feb 13	75⅜ May 22
15,700	104,200	World Publishing Co	1	9	9¼	15¾	Sale	16	Sale	14¾ July 11	16¼ July 16	9 Jan 9	16¼ July 16
300	2,500	Wrigley (Wm) Jr	*	103½	105	97	97¾	99½	100½	99⅞ July 23	101 July 23	98 May 22	106¼ Feb 5
400	3,100	Yates-Amer Machine	5	14	14½	16⅛	Sale	15¾	16	15⅞ July 12	16⅜ July 2	13⅝ Jan 9	16½ Feb 26
300	16,300	Youngstown Sheet & Tube	*	85¼	Sale	100¾	101¼	102½	103	100 July 18	101¼ July 25	85¼ Jan 2	105⅜ Jun 5
9,200	96,300	Zenith Radio Corp	1	54¾	Sale	60¼	Sale	61	Sale	58½ July 22	64⅛ July 5	51⅜ Mar 20	68 Jun 12
$	$	BONDS											
----	2,200	Monroe Chemical 5s	1985	--	--	68	--	68	--	-- ------	-- ------	67 Jun 24	68 Mar 20

*No par value. ‡Corrected volume. a Deferred delivery sale r Cash sale. x Ex-dividend. (Un) Issue admitted to unlisted trading privileges. ex-rights. z Ex-stock dividend.

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Philadelphia-Baltimore-Washington Stock Exchange

Monthly and Yearly Record

RANGE OF PRICES ON THE PHILADELPHIA-BALTIMORE-WASHINGTON STOCK EXCHANGE

Stock Sales—	1963	1962	Bond Sales—	1963	1962
July (Shares)	933,907	1,079,321	July	------	------
Jan. 1 to July 31 (Shares)	8,534,067	8,539,869	Jan. 1 to July 31	$7,000	$248,400

Aggregate Sales in July Shares	Since Jan. 1 Shares	Phila.-Balt.-Wash. Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY— July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
		LISTED ISSUES											
3,630	24,323	Acme Markets Inc	1	71¼	Sale	71	Sale	72⅛	Sale	69¾ July 1	73⅝ July 16	68 Feb 28	80¼ Jan 15
387	4,024	Alan Wood Steel com	10	12½	12⅞	19	Sale	18⅛	18½	18⅞ July 17	20 July 11	12⅞ Feb 5	21⅝ Jun 20
----	320	5% preferred	100	62½	64½	75	76	75	76	-- ------	-- ------	69½ Apr 10	75 Apr 17
25,821	224,763	American Tel & Tel	33⅓	115¾	Sale	120⅜	Sale	119⅝	Sale	118⅞ July 22	123⅛ July 5	114½ Jan 2	126¼ Apr 19
1,981	13,789	Arundel Corp	*	24½	25	26½	Sale	26½	Sale	26¼ July 1	27⅛ July 10	24⅝ Jan 7	28⅛ Feb 11
2,820	24,238	Atlantic City Electric	4.33	43	44	44¼	Sale	45	Sale	43⅛ July 23	45½ July 26	43⅛ Jun 11	48¼ Jan 26
1,185	16,937	Atlantic Research Corp	1	13⅛	Sale	11⅜	Sale	10⅞	Sale	10⅜ July 25	11¾ July 29	9 May 14	14½ Jan 31
789	10,119	Baldwin-Lima-Hamilton	13	13	Sale	13⅜	Sale	12¼	Sale	11¾ July 26	13½ July 5	11¾ July 26	14¼ Jan 8
2,048	36,751	Baltimore Transit Co	1	8	8⅛	10¾	11	10⅜	Sale	10⅛ July 8	10⅞ July 2	8⅛ Jan 3	11 May 21
3,383	24,244	Budd Co	5	11⅝	11⅞	15⅛	Sale	13¾	Sale	13¾ July 29	15½ July 2	12¼ Jan 3	16 Jun 25
1,120	8,850	Campbell Soup Co	1.80	94⅜	94⅝	94¾	Sale	98	Sale	94¼ July 2	99½ July 31	92¼ Apr 17	107 Jan 28
80	80	Central Charge Service	1	--	--	--	--	8¼	8½	8⅜ July 25	8⅜ July 25	8⅜ July 25	8⅜ July 25
308	1,728	Central RR of New Jersey	50	22	23½	21½	24	19	21	21⅜ July 22	21½ July 8	19½ May 13	24½ Jan 17
21,797	73,395	Chrysler Corp new	12.50	--	--	61⅝	Sale	58	Sale	57 July 12	64 July 3	51½ Apr 29	69⅜ Jun 5
1,318	15,222	Curtis Publishing	1	6	6¼	6¾	7	6⅝	6⅞	6¾ July 12	7¼ July 2	6½ Mar 28	8¼ Feb 18
		D C Transit System—											
100	533	Class A common	20c	11	11¼	10⅝	11⅞	10⅞	11	10⅞ July 26	10⅞ July 26	10⅝ Mar 20	11⅛ Jun 4
1,031	9,060	Delaware Pwr & Light	6.75	47¼	Sale	53	Sale	53⅛	Sale	50 July 16	53⅝ July 2	46¼ Jan 3	55 Jun 24
6,732	40,095	Duquesne Light Co	5	30⅞	Sale	31⅞	Sale	32⅜	Sale	31⅛ July 24	32¾ July 31	30 Apr 1	33⅞ May 16
907	5,611	Electric Storage Battery	10	50¼	Sale	54½	Sale	53⅜	53⅝	53¼ July 26	55¼ July 3	50¼ Jan 2	57⅛ Apr 16
20	2,428	Eltra Corp	25c	--	--	--	--	--	--	24¾ July 25	24¾ July 25	23⅞ Jan 14	26½ Feb 15
		Finance Co of America—											
314	1,151	Class A	5	--	--	--	--	--	--	24½ July 23	24¾ July 15	24½ Jun 10	25½ Jan 21
		Firemans Insurance Co of											
----	----	Washington (D C)	20	29½	--	29½	--	29½	--	-- ------	-- ------	-- ------	-- ------
3,424	24,006	Food Fair Stores	1	21⅛	Sale	22⅛	Sale	22	Sale	21⅜ July 25	22¾ July 5	21⅛ Jan 2	25½ Feb 8
12,551	145,358	Ford Motor Co	2.50	46¼	Sale	50⅞	Sale	51¼	Sale	49 July 22	53⅝ July 9	41¾ Feb 28	56½ Jun 7
2,314	21,670	Foremost Dairies Inc	2	8½	Sale	9⅜	Sale	9¾	10	9⅜ July 1	10⅛ July 11	8½ Jan 2	11¼ May 20
113	1,422	Garfinkel (Julius)	50c	39¾	--	37	38½	36	37½	35½ July 26	36¾ July 16	35½ July 26	41⅜ Jan 29
2,086	14,086	General Acceptance Corp	1	--	--	--	--	19⅜	Sale	18¼ July 5	19⅞ July 15	18¼ July 5	22⅛ Apr 4
----	350	60c conv voting pfd	*	--	--	--	--	--	--	-- ------	-- ------	12¼ Jan 8	12½ Apr 5
725	1,772	$1 preferred	*	16¼	17¼	17¾	18½	18¼	Sale	18¼ July 3	18½ July 18	16 Feb 5	18½ Apr 26
35,617	283,354	General Motors Corp	1.66⅔	58⅛	Sale	69⅞	Sale	71¾	Sale	66¾ July 22	72⅛ July 31	57⅝ Jan 2	74 Jun 3
121	1,332	Giant Food class A	1	12⅜	13	11⅛	Sale	10½	11	10⅝ July 15	11⅜ July 9	10⅜ Apr 11	14¾ Feb 4
----	200	Gimbel Bros	5	33¼	33½	38¼	38½	--	--	-- ------	-- ------	38 Apr 1	38 Apr 1
600	2,420	Homasote Co	1	9	10½	10½	Sale	10	11	10 July 2	10½ July 1	8⅜ May 7	10⅞ Jun 11
		Hudson Pulp & Paper—											
----	50	5% series A preferred	25	21	--	22	--	22	23	-- ------	-- ------	22½ Jun 16	22½ Jun 18
----	----	5.12% series B pfd	25	22	--	22½	23½	22½	24	-- ------	-- ------	-- ------	-- ------
----	274	$1.41 conv 2nd pfd	24.50	22	--	25¼	26¼	25¼	26¼	-- ------	-- ------	26¼ Jun 10	29 Jan 29
1,252	19,374	International Resistance	10c	26	27	22	Sale	21⅞	Sale	20⅜ July 22	22¾ July 5	20⅛ Apr 19	29 Feb 7
----	180	Lanston Industries	5	--	--	2½	2⅝	2½	2⅝	-- ------	-- ------	2¾ Feb 8	3 May 1
645	1,337	Lehigh Coal Navigation	1	--	--	7⅜	7¾	7½	7¾	7¼ July 10	7⅝ July 23	6⅞ May 28	7⅝ July 23
175	9,342	Macke Vending Corp cl A	1	23	23½	23½	24	22¼	22¾	21⅞ July 22	23⅜ July 2	21⅞ Feb 1	24⅛ Jan 4
2,695	24,848	Madison Fund Inc	1	22⅞	Sale	20⅜	Sale	20½	Sale	20⅛ July 1	21⅛ July 3	19¾ Jun 25	24 Jan 14
8,351	84,076	Martin-Marietta Corp	1	21½	Sale	19⅛	Sale	18¾	Sale	17⅞ July 26	20⅛ July 5	17⅞ July 26	22¾ Jan 4
1,305	8,374	Merck & Co Inc	16⅔c	77¾	Sale	90	Sale	94⅝	Sale	90 July 1	95⅛ July 11	77¾ Jan 2	95⅛ July 11
		Mergenthaler Linotype Name changed to Eltra Corporation											
----	----	Natl Bank of Washington	10	58	60	57	61	57	61	-- ------	-- ------	-- ------	-- ------
		National Mtge & Invest—											
----	----	Common	1	52	--	66	--	70	--	-- ------	-- ------	-- ------	-- ------
----	----	5% non-cum preferred	7	7	--	7⅛	--	7½	--	-- ------	-- ------	-- ------	-- ------
----	75	Oxford Mfg class A	1	--	--	--	--	--	--	-- ------	-- ------	37¼ Feb 8	37½ Feb 8
2,471	13,670	Pennsalt Chemicals Corp	3	34⅜	34⅝	40	Sale	40½	40¾	39¼ July 24	42¾ July 9	30⅝ Jun 13	44 May 28
3,000	19,955	Pennsylvania Gas & Water	*	35½	Sale	45⅜	Sale	46	Sale	45 July 1	47 July 10	32⅝ Jan 4	47 July 10
6,037	58,931	Pennsylvania Pwr & Lt	*	32⅞	Sale	34¾	Sale	34⅜	Sale	33⅝ July 15	35 July 2	32½ Apr 3	36⅛ May 16
20,694	164,167	Pennsylvania RR	10	13⅜	Sale	18⅞	Sale	18¼	Sale	17⅛ July 23	20¼ July 10	12¼ Jan 2	20¼ July 10
201	5,402	Peoples Drug Stores Inc	5	35⅝	Sale	42¾	Sale	41	41½	40½ July 24	43½ July 10	35⅝ Jan 2	43½ July 10
		Pepsi-Cola Bottling Co											
100	7,620	of Long Island	25c	9⅝	Sale	8½	8¾	9¼	9⅞	8¼ July 2	8⅜ July 9	8⅛ Mar 11	9¾ Jan 2
367	4,190	Perfect Photo Inc	*	--	--	--	--	4¼	Sale	4¼ July 31	4⅝ July 11	4¼ July 31	7⅛ Jan 21
22,401	189,236	Philadelphia Electric	*	29½	Sale	34⅝	Sale	35¼	Sale	34⅜ July 2	35⅝ July 3	29⅜ Jan 2	36¼ May 22
7,676	160,419	Phila Transportation	10	6¼	Sale	9⅝	Sale	9	Sale	8⅞ July 23	9¾ July 10	5¾ Jan 15	9⅞ May 24
		Potomac Electric Power—											
20,213	58,686	Common	10	--	--	22	Sale	21	Sale	20 July 17	22⅛ July 1	20 July 17	24 Apr 18
----	10	$2.44 preferred	50	51	52	51½	52½	51½	--	-- ------	-- ------	51¼ Jun 18	51¼ Jun 18
----	10	$2.46 preferred	50	51½	--	52¼	--	52¼	--	-- ------	-- ------	52¼ Jun 18	52¼ Jun 18
----	402	Progress Mfg Co	1	--	--	--	--	--	--	-- ------	-- ------	11⅞ Feb 21	15½ May 17
815	18,192	Public Service Elec & Gas	*	68⅝	Sale	73¾	Sale	75⅛	Sale	73⅛ July 8	76¾ July 29	68⅝ Jan 2	76¾ July 29
454	3,766	Reading Co	50	--	--	11⅜	Sale	--	--	9⅞ July 23	12¼ July 3	7⅝ Feb 4	12¾ Jun 25
15	184	Riggs National Bank	25	162	166	184	188	181	186	184 July 3	184 July 3	169 Jan 8	186 Jun 26
784	12,247	Ritter Finance class B	1	--	--	--	--	--	--	4⅞ July 18	5⅜ July 23	4⅞ Apr 17	5¾ Jan 29
13,283	91,214	Scott Paper	*	32½	Sale	33⅛	Sale	33⅜	Sale	32¼ July 1	34 July 16	30⅞ Mar 19	36⅛ Apr 29
		Smith Kline &											
1,343	15,226	French Laboratories	*	63⅞	Sale	63¼	Sale	64¼	Sale	62¾ July 1	65⅛ July 18	60¾ Mar 20	68¾ Apr 29
1,225	11,481	South Jersey Gas Co	2.50	33⅛	Sale	40⅜	Sale	39¾	Sale	39⅛ July 23	40¾ July 8	33⅛ Jan 2	41⅝ Jun 3
----	1,619	Southeastern Pub Serv	10c	--	--	--	--	--	--	-- ------	-- ------	22⅛ Jan 17	26 Apr 29
2,558	22,642	Sun Oil Co	*	43⅞	Sale	47⅝	Sale	50	Sale	47 July 15	51 July 31	43⅜ Jan 4	51 July 31
4,808	50,215	Texas Eastern Transmn	3.50	16½	Sale	18⅜	Sale	18⅜	Sale	18⅛ July 19	18⅞ July 12	16½ Jan 2	19 Apr 30
		Thompson Ramo-											
705	5,497	Wooldridge	5	--	--	--	--	--	--	50⅝ July 22	56¾ July 3	50⅜ Mar 20	60 May 8
1,354	11,252	United Corp	1	8	Sale	8⅛	Sale	8⅜	8⅝	8 July 8	8⅜ July 24	8 Jan 2	9 May 31
2,932	22,259	United Gas Improvem't	4.50	21½	Sale	24⅝	Sale	24¼	Sale	23⅞ July 3	25⅛ July 2	21⅛ Jan 2	27½ May 22
89	1,313	Universal Marion Corp	*	8¾	8⅞	9	9⅛	8⅞	9	8⅞ July 10	8⅞ July 10	8¾ Feb 5	9⅛ May 28
1,469	10,819	Warner Co	10	--	--	28⅝	Sale	27⅝	Sale	27⅜ July 24	31⅛ July 10	25⅜ Mar 11	31⅛ July 10
1,507	25,080	Washington Gas Light com	*	36¼	Sale	38½	Sale	37⅞	Sale	36⅞ July 18	38½ July 1	33⅜ Mar 5	40⅝ May 29
50	79	$4.25 preferred	*	87½	--	88¼	--	88¼	--	88¼ July 15	90 July 15	87½ Feb 26	90 May 21
10	10	$4.60 conv preferred	*	123	--	145	--	140	--	143¾ July 26	143¾ July 26	143¾ July 26	143¾ July 26
----	21	$5 preferred	*	102½	--	104½	--	103½	--	-- ------	-- ------	102 Jun 18	104 Jun 18
193	193	White Motor Co	1	--	--	--	--	--	--	29⅛ July 30	29½ July 30	29⅛ July 30	29½ July 30
		Woodward & Lothrop—											
200	1,268	Common	1.25	30	31	31½	32½	31	32½	31½ July 10	32½ July 30	29½ Mar 4	32½ Apr 19
----	----	5% preferred	100	96¾	--	98	--	100	--	-- ------	-- ------	-- ------	-- ------
		BONDS											
$	$	Baltimore Transit Co—											
----	2,000	1st deb inc 4s ser A	1975	96¼	--	98	--	97¼	99	-- ------	-- ------	98¼ Jun 14	98¼ Jun 14
----	2,000	Cum inc deb 5s ser A	1975	96¾	--	100	--	97¼	--	-- ------	-- ------	98⅝ May 13	98⅝ May 13
----	3,000	6½% inc subord debs	1977	88	--	97	--	97	--	-- ------	-- ------	98 May 13	98 May 13

*No par value. a Deferred delivery sale. r Cash sale. x Ex-dividend. y Ex-rights.

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Detroit Stock Exchange

Monthly and Yearly Record

RANGE OF PRICES ON THE DETROIT STOCK EXCHANGE

Stock Sales—	1963	1962	Stock Sales—	1963	1962
July (Shares)	220,980	182,858	Jan. 1 to July 31 (Shares)	1,778,438	1,535,943

Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Detroit Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
		LISTED ISSUES											
7,848	40,932	Allen Elec & Equipment	1	6½	7	9⅜	Sale	12½	Sale	9⅜ July 1	12¾ July 29	6⅜ Jan 21	12¾ July 29
1,037	13,562	Allied Supermarkets	1	11½	12½	12⅜	Sale	12⅜	Sale	12⅜ July 1	12⅜ July 1	12⅜ July 1	13¾ Jan 11
2,595	12,040	Amer Metal Products Co	2	14	15	18⅜	Sale	18	19	17⅝ July 24	18⅝ July 17	15½ Jan 4	19⅞ May 24
1,230	7,944	Associated Brewing Co	5	2⅝	—	—	4¼	3⅜	4	3⅜ July 18	3⅞ July 30	2⅝ Jan 3	3⅞ July 30
620	7,076	Avis Industrial Corp	5	—	—	—	—	20½	Sale	17⅞ July 29	20½ July 31	12 Jan 10	21½ May 17
—	—	Bethlehem Corp	*	—	—	—	2¾	—	2⅝	—	—	—	—
—	400	Bohn Aluminum & Brass	5	—	—	—	—	—	—	—	—	34¼ May 1	34¼ May 1
820	10,813	Borman Food Stores	1	10½	11½	12½	13½	12½	13½	13¼ July 3	13⅜ July 17	10⅝ Mar 1	14 May 8
1,000	8,532	Briggs Mfg Co	*	4½	5½	5½	6½	5½	6	5⅝ July 26	5⅞ July 15	4¾ Apr 5	6¼ May 31
2,420	25,463	Brown-McLaren Mfg Co	1	92c	98c	90c	Sale	1⅛	Sale	89c July 15	1⅛ July 31	65c Jan 25	1.25 Jun 13
752	8,918	Budd Company (The)	5	11	12	15¼	Sale	13½	14½	14 July 22	15½ July 3	12¾ Mar 18	15⅞ Jun 25
469	2,198	Buell Industries	1	—	8	—	6¼	—	6	4⅛ July 10	4⅛ July 10	4⅛ July 10	5½ Feb 25
5,793	57,051	Burroughs Corp	5	27½	28½	28¾	Sale	26½	Sale	26⅛ July 26	29¼ July 5	26⅛ July 26	34 Feb 18
26,302	26,302	Rights	—	—	—	—	—	¼	Sale	¼ July 31	⅜ July 19	—	—
20,944	60,950	Chrysler Corp	12.50	—	—	63¾	Sale	58	Sale	57⅜ July 12	63⅞ July 3	52⅜ May 10	69 Jun 5
6,193	65,615	Consolidated Paper	10	10¼	10½	10⅜	Sale	10⅛	10¼	9⅝ July 24	10⅜ July 1	9⅝ July 24	13 Jan 28
2,639	23,067	Consumers Power Co com	*	—	—	45⅞	Sale	45	46	45⅜ July 22	46 July 2	41 Mar 4	46 July 2
22	89	$4.50 preferred	*	—	—	—	—	—	—	100⅞ July 15	100⅞ July 15	100½ Apr 11	101½ Jun 21
—	—	$4.16 preferred	*	—	—	—	—	—	—	—	—	—	—
810	8,700	Continental Motors	1	10⅞	11½	12	13	11¾	12½	12 July 22	12⅜ July 15	11 Jan 7	13½ Jun 5
—	1,210	Copeland Refrigeration	1	—	—	—	—	—	—	—	—	23½ Apr 11	26½ Jan 14
—	615	Cox Instruments Corp	1	—	—	—	—	—	—	—	—	6½ Jan 8	8 Jan 11
—	100	Crowley Milner & Co	1	—	—	—	—	—	—	—	—	6⅞ Jan 22	6⅞ Jan 22
—	470	Cunningham Drug Stor's	2½	—	—	—	—	—	—	—	—	21¾ Jan 16	21¾ Jan 16
—	1,218	D W G Cigar Corp	5	—	—	—	—	—	—	—	—	17½ Apr 19	18¼ Apr 26
—	192	Davidson Brothers Inc	1	4	—	4	—	4	—	—	—	4⅞ Feb 8	4⅞ Feb 8
24,267	185,155	Detroit Edison Co	10	31⅝	Sale	32	Sale	32⅛	Sale	31⅞ July 5	32⅜ July 2	31⅝ Jan 2	34¾ Jan 31
301	9,252	Detroit Gasket & Mfg	1	—	9⅛	—	15¼	13⅞	—	14 July 9	14 July 9	9⅛ Jan 10	15¾ Jun 7
—	664	Detroit Industrial Prod	1	4⅜	—	4⅜	—	4⅜	—	—	—	6 Apr 26	6 Apr 26
1,212	20,628	Detroit Steel Corp	1	10½	11½	13⅛	Sale	12	13	12¾ July 18	13⅛ July 1	11½ Jan 8	14⅛ Apr 17
—	—	Dielectric Products Engr	1	—	3¼	—	4¾	—	4¾	—	—	—	—
—	1,542	Divco-Wayne Corp	1	—	—	—	—	—	—	—	—	19⅛ Jan 3	26⅜ Jun 19
—	412	Drewry's Ltd U S A Inc	1	—	—	—	—	—	—	—	—	23 May 29	24 Jan 8
715	5,252	Eaton Mfg Co	2	—	—	—	—	35	Sale	35 July 31	35½ July 30	35 July 31	37⅛ Jun 3
900	3,496	Economy Baler Company	1	4	5¼	4⅝	Sale	4⅝	5	4⅝ July 1	4¾ July 18	4½ Jan 29	5⅛ Jan 11
743	8,635	Ex-Cell-O Corp	3	—	—	—	—	—	—	39½ July 25	39½ July 25	38¾ May 7	45⅞ Feb 6
1,070	13,407	Fed Mogul Bower Bearings	5	—	40	—	—	—	—	46⅝ July 9	46⅝ July 9	38 Mar 12	47⅜ Jun 6
—	—	Fenestra Incorporated	10	—	—	—	—	—	—	—	—	—	—
12,288	150,654	Ford Motor Co	2.50	45	46	51	52	50¾	Sale	50 July 19	53⅛ July 3	42 Feb 28	56⅜ Jun 7
6,175	69,477	Fruehauf Trailer	1	24½	25½	29¾	Sale	28	29	27¾ July 24	30⅛ July 5	25½ Jan 3	33⅜ Jun 7
—	55,166	Gar Wood Industries	1	2¾	3½	3¾	6	3¾	5	—	—	3⅜ Jan 9	6½ Mar 28
29,460	305,291	General Motors Corp	1.66⅔	58	Sale	70	Sale	71¾	Sale	67½ July 22	71¾ July 31	57⅞ Jan 2	73⅞ Jun 3
15,875	136,543	Goebel Brewing	1	45c	Sale	80c	85c	75c	80c	66c July 16	90c July 5	45c Jan 2	1⅛ Jan 22
—	2,676	Great Lakes Bowling	1	—	—	—	—	—	—	—	—	4⅞ May 22	5¼ Jun 20
1,302	5,050	Gt Lakes Chemical Corp	1	2	3	1¾	2½	1¾	2⅝	2⅛ July 2	2½ July 10	2⅛ Jan 4	3¼ Jan 10
—	2,373	Hall Lamp Co	5	3½	5½	3¾	4¾	—	4¾	—	—	4¼ Jan 17	5¾ Feb 13
—	2,436	Hastings Mfg Co	2	—	9	—	—	—	9	—	—	7 Jun 12	7⅞ Jan 25
—	—	Higbie Mfg Co	1	—	—	—	—	—	—	—	—	—	—
280	1,545	Hoskins Mfg Co	2.50	—	—	—	—	—	—	33¼ July 25	33¼ July 25	29¼ Jan 22	33¼ July 25
156	3,286	Houdaille Industries Inc	3	—	—	—	—	—	—	25¾ July 25	25¾ July 25	20 Jan 18	26¾ Jun 4
—	450	International Breweries	1	—	—	3	—	—	—	—	—	4⅜ Feb 11	4⅝ Apr 7
250	1,238	King-Seeley Thermos Co	1	—	—	—	—	—	—	43 July 17	44⅛ July 17	36 Feb 1	44⅛ July 17
200	2,572	Kingston Products Corp	1	—	3½	3⅞	Sale	—	—	3⅞ July 1	3⅞ July 1	3¼ Jan 11	4⅝ Apr 17
6,267	48,111	Kresge (S S) Co	10	21⅝	Sale	23	Sale	22⅞	Sale	22¾ July 23	23½ July 12	21⅝ Jan 2	24⅞ Jan 16
2,462	40,186	Kysor Industrial Corp	1	7¾	8¼	9⅛	Sale	8½	9½	8⅜ July 19	9⅜ July 29	8 Mar 22	11 Jun 26
—	200	Lakey Foundry Co	1	1½	2	—	6	—	6	—	—	2¼ Feb 28	2¼ Feb 28
2,529	11,300	Lansing Stamping Co	1	3⅛	3¼	2½	2¾	3⅛	3½	2½ July 12	3⅛ July 25	2½ Apr 5	3½ Jan 30
435	965	LaSalle Wines & Champ	2	1⅞	2⅛	2	2½	2	2½	2 July 16	2 July 16	2 July 16	2½ Feb 14
—	5,673	Leonard Refineries Inc	3	—	10⅜	10½	12	10½	12	—	—	10 Jan 18	11¼ May 22
—	300	Macoid Industries Inc	*	2½	4	2	4	2	4	—	—	3½ May 9	3⅝ May 13
850	4,515	Madison Square Garden	1	1⅝	3	—	1⅞	1⅞	Sale	1½ July 10	1⅞ July 31	1½ July 10	2⅛ Jan 16
410	410	Masco Corp new	1	—	30	—	—	—	—	17½ July 26	17½ July 26	17½ July 26	17½ July 26
100	1,572	Michigan Chemical Corp	1	—	—	11⅛	—	11⅛	—	12¼ July 30	12¼ July 30	11⅛ Jan 29	13 Feb 19
400	12,225	Michigan Sugar common	*	2	4	6½	12	—	12	6½ July 15	7 July 10	2⅞ Jan 29	10⅛ May 22
—	611	6% preferred	10	—	—	—	—	—	—	—	—	12 Jan 10	14¾ May 22
108	108	Micromatic Hone Corp	1	—	12	—	—	—	—	9⅞ July 26	9⅞ July 26	9⅞ July 26	9⅞ July 26
—	618	Motor Wheel Corp	5	16½	17½	—	—	21	22	—	—	21 Jun 18	21 Jun 18
—	1,656	Mt Clemens Indus com	1	—	—	—	¾	—	4	—	—	6⅛ Apr 4	6⅛ Apr 4
—	681	6% preferred	4	6	—	—	—	3¾	4	—	—	3⅞ Feb 1	3⅞ Feb 1
—	—	Murray Corp	10	30	31	39	40	38	39	—	—	—	—
—	1,550	Natl Brewing Co (Mich)	1	—	—	—	—	—	—	—	—	4 Feb 12	4⅛ Jan 10
210	1,953	Nat'l Elec Welding Mach	1	—	—	12¼	—	—	—	12⅛ July 12	12⅛ July 12	9½ Jan 25	12½ Jun 26
—	—	Nautec Corp	5	—	—	—	—	—	—	—	—	—	—
6,989	73,858	Parke Davis & Co	*	24¾	Sale	25½	26½	26⅛	Sale	25¾ July 2	27⅜ July 16	24⅝ Mar 21	29¾ May 1
—	—	Parker Rust-Proof Co	2.50	—	—	—	—	—	—	—	—	—	—
—	—	Peninsular Metal Products	1	—	—	—	—	—	—	—	—	—	—
911	5,160	Prophet (The) Co	1	—	—	22¾	Sale	20½	26	22¾ July 1	23⅜ July 19	22¾ July 1	24⅝ Feb 27
10,948	36,155	Rickel (H W) & Co	2	2⅛	2⅜	2¾	Sale	2½	2⅞	2½ July 30	3 July 1	2 Jan 17	3 July 1
1,647	10,030	Rockwell Standard Corp	5	34	35	41⅞	Sale	42½	Sale	41⅞ July 1	42½ July 31	34⅞ Jan 4	43 Jun 21
3,564	29,220	Rudy Mfg Company	1	18	Sale	20	Sale	20⅝	Sale	19⅞ July 23	20⅝ July 31	17 Mar 25	21 Jan 21
1,245	22,736	Scotten Dillon Co	10	23⅜	Sale	26½	Sale	26	Sale	25⅝ July 31	26½ July 1	23⅜ Jan 2	27⅞ May 24
—	1,246	Sheller Mfg Co	1	19	20	—	25	—	25	—	—	20¾ Jan 23	25 May 24
—	1,072	Soss Mfg Co	1	—	—	—	—	—	—	—	—	15⅝ May 24	17½ Jun 13
100	1,208	Standard Tube class B	1	—	—	—	—	—	—	4¾ July 3	4¾ July 3	4⅛ May 2	5 Jun 14
3,219	27,065	Studebaker Corp	10	6	6¼	6½	Sale	6½	7	6¼ July 22	6⅞ July 8	5⅞ May 22	8 Feb 14
—	—	Superior Tool & Die Co	1	—	—	—	—	—	—	—	—	—	—
1,462	11,110	Udylite Corp	1	14⅞	18	20	24	19⅞	24	19½ July 19	20⅞ July 3	19½ July 19	23 Apr 18
143	343	Union Investment Co	4	—	—	—	—	13	—	13 July 26	13 July 26	12½ Apr 5	13 July 26
—	865	United Shirt Distributors	1	1	3	2⅛	3½	2⅛	3½	—	—	2 Jan 16	3 May 14
—	2,035	Universal Controls Inc	25c	4¼	—	4⅜	—	4¼	—	—	—	4½ Apr 25	5¼ Jan 8
293	2,954	Upjohn (The) Co	1	—	—	—	—	—	—	39⅞ July 26	39⅞ July 26	33½ Jan 3	40⅞ Jun 19
—	6,261	Vinco Corp	1	2½	5	—	—	—	—	—	—	75c Feb 19	3 Jan 11
—	405	Woodall Industries	2	—	—	—	—	—	—	—	—	19¼ Jun 28	19¼ Jun 28
—	550	Young (L A) Spg & Wire	*	—	—	—	—	—	—	—	—	30⅜ Jan 22	34 May 22

*No par. a Deferred delivery sale. r Cash sale. x Ex-dividend. y Ex-rights.

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Pacific Coast Stock Exchange

Monthly and Yearly Record

RANGE OF PRICES ON THE PACIFIC COAST STOCK EXCHANGE

Stock Sales—	1963	1962	Bond Sales—	1963	1962
July (Shares)	3,752,305	3,881,596	July	------	------
Jan. 1 to July 31 (Shares)	28,956,395	31,915,229	Jan. 1 to July 31	------	$5,000

Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	Pacific Coast Stock Exchange Stocks	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY: July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1: Lowest Sale Prices	Highest Sale Prices
1,298	11,345	ACF Industries (Un)	25	--	--	--	--	--	--	90 July 29	90 July 29	76 Jan 8	95¾ May 23
2,480	12,085	Abbott Laboratories	5	--	--	93½	Sale	108¾	Sale	96 July 17	111 July 29	74 Jan 14	111 July 29
3,794	26,130	Admiral Corp	1	--	--	--	--	--	--	16½ July 19	18⅝ July 11	12 Jan 3	19⅜ Jun 13
607	9,828	Air Reduction (Un)	*	--	--	--	--	--	--	54 July 9	54 July 9	53⅛ Jun 11	61 Apr 22
3,704	17,571	A J Industries	2	--	--	--	--	3½	Sale	3⅜ July 3	3½ July 15	3⅜ May 6	4 Jan 10
50	699	Alaska Airlines	1	--	--	--	--	--	--	a-- ------	a-- ------	4⅝ Mar 7	5⅜ Feb 18
1,410	10,311	Alleghany Corp (Un)	1	--	--	--	--	--	--	9⅞ July 22	10½ July 5	9¾ Apr 4	12⅜ Jan 11
30	6,507	Warrants (Un)	--	--	--	--	--	--	--	a-- ------	a-- ------	7 Mar 25	9⅝ Jan 11
911	14,143	Allied Artists Pictures Corp	1	--	--	--	--	--	--	3 July 17	3⅝ July 2	2⅜ May 21	3⅞ Jun 12
5,700	74,006	Allied Chemical Corp (Un)	9	--	--	47¾	Sale	49½	Sale	47⅛ July 1	50 July 9	43 Mar 1	51⅝ May 9
120	1,589	Allied Supermarkets (Un)	1	--	--	--	--	--	--	a-- ------	a-- ------	12½ Mar 28	13¼ Apr 15
3,092	47,246	Allis-Chalmers Mfg (Un)	10	14¾	Sale	--	--	16¾	Sale	16½ July 22	18¼ July 5	14⅝ Jan 2	20¼ Jun 3
7,755	55,100	Aluminium Ltd	*	20½	Sale	--	--	24¾	Sale	24 July 30	27⅛ July 12	20½ Jan 2	27¾ May 9
4,782	34,068	Aluminum Co of Amer (Un)	1	--	--	--	--	--	--	60 July 22	68½ July 11	51⅞ Mar 21	68½ July 11
2,789	10,280	Ambassador Oil Corp	1	5½	5¾	5⅞	6¼	5¼	5½	5½ July 25	6 July 2	5⅜ Jan 4	6⅜ Feb 15
1,248	2,716	¶Amerada Petrol (Un)	*	--	--	--	--	--	--	64¼ July 23	67⅜ July 12	66 Jun 27	70¼ May 15
9,825	168,539	Amer Airlines Inc (Un)	1	18⅛	Sale	25⅛	Sale	26⅛	Sale	24⅞ July 24	26¾ July 16	18 Jan 3	26¾ July 16
2,065	13,457	Amer Bosch Arma (Un)	2	13⅞	Sale	15¼	Sale	14⅜	Sale	13⅞ July 24	16¼ July 11	13⅞ Jan 2	16¾ Apr 23
2,093	21,088	Amer Broadcstg-Paramount Theatres (Un)	1	33	Sale	--	--	29⅛	Sale	28⅜ July 29	30⅞ July 9	28 Jun 19	37⅛ Jan 24
3,293	30,299	Amer Can Co (Un)	12½	--	--	--	--	--	--	44⅝ July 30	46⅛ July 8	43¾ Apr 23	47⅜ Jan 2
11,270	53,938	American Cement Corp	5	--	--	11⅞	Sale	11⅝	Sale	11½ July 30	12⅛ July 8	10½ Mar 28	12¼ Jun 21
399	6,909	$1.50 preferred	25	23½	24½	26¼	Sale	25¼	25¾	25⅛ July 30	26¼ July 1	25 Jan 7	26¼ Apr 22
6,438	57,451	American Cyanamid (Un)	10	--	--	58	Sale	58⅝	Sale	57 July 22	60 July 11	48⅞ Jan 3	60¼ Jun 18
993	19,393	American Electronics Corp	1	3⅛	3⅜	4	4¼	3¾	4	4 July 29	4⅝ July 11	3 Mar 18	5⅛ May 27
317	5,610	American & Foreign Power Co Inc (Un)	*	--	--	--	--	--	--	12½ July 3	12½ July 3	9⅜ Jan 3	13⅛ May 27
----	1,900	Americ'n-Int'l Alum Corp	25c	--	--	--	--	--	--	-- ------	-- ------	2 Feb 7	2½ Feb 25
11,049	79,721	Amer Machine & Fry	1.75	20⅝	Sale	21⅛	Sale	18¾	Sale	18¾ July 31	21⅜ July 3	18¾ July 31	24⅛ Jan 31
2,680	18,575	American M A R C Inc	50c	--	--	--	--	2⅜	Sale	2⅜ July 18	2⅝ July 19	2⅜ July 18	3⅜ Jan 28
19,194	389,290	Amer Motors (Un)	1.66⅔	16⅛	Sale	18	Sale	18	Sale	17½ July 19	18⅜ July 5	16⅛ Jan 2	23 Feb 14
495	16,111	American Pot & Chem	*	--	--	--	--	28½	Sale	28½ July 31	28⅝ July 2	26⅝ Jun 24	31¾ Jan 16
8,832	59,712	Amer Radiator & Standard Sanitary (Un)	5	12⅞	Sale	16¼	Sale	17	Sale	16¼ July 12	17⅛ July 12	12¾ Jan 2	17⅛ July 12
1,560	11,367	Amer Smelt & Ref (Un)	*	--	--	--	--	--	--	77½ July 17	80⅝ July 10	58¼ Jan 15	80⅝ July 10
25,755	229,592	American Tel & Tel	33⅓	114⅞	Sale	120	Sale	119⅞	Sale	119¼ July 22	122¾ July 5	114⅞ Jan 2	126 May 1
19,156	177,001	American Tob (Un)	6.25	29½	Sale	28⅝	Sale	28⅛	Sale	28 July 16	29⅛ July 3	28 July 16	33⅞ Apr 17
18,408	99,319	American Viscose (Un)	25	--	--	--	--	--	--	66⅛ July 22	71 July 30	59½ Apr 1	71 July 30
27,781	203,328	Ampex Corp	1	16½	Sale	19¾	Sale	19	Sale	18⅜ July 19	21¼ July 11	14½ Mar 19	21¼ Jun 24
675	4,941	Amphenol-Borg Electronics	1	--	--	25¾	Sale	--	--	25¾ July 1	26½ July 3	22¾ Jan 8	26½ July 3
3,878	62,228	Anaconda Co (Un)	50	40¾	Sale	49	Sale	--	--	46⅛ July 23	49¾ July 5	40¾ Jan 2	54 Jun 6
550	7,954	Anthony Pools Inc	1	--	--	--	--	--	--	3¾ July 29	3⅞ July 3	3 Jan 7	4¾ May 7
----	199	Apollo Industries Inc	5	7⅛	8	10⅜	10⅞	12¼	12¾	-- ------	-- ------	8⅝ Apr 5	8⅝ Apr 3
174	1,354	Archer-Daniels Midland	*	--	--	--	--	--	--	a-- ------	a-- ------	40⅜ Apr 17	40⅜ Apr 17
6,320	61,576	Arizona Public Service	2.50	30⅜	Sale	--	--	--	--	28⅜ July 17	30⅜ July 30	28⅜ July 17	33 Jan 15
1,963	16,368	Arkansas-La Gas (Un)	2.50	--	--	--	--	33	Sale	32¾ July 24	33⅛ July 11	29⅜ Jan 7	33⅝ Mar 14
2,424	22,845	Armco Steel Corp (Un)	10	--	--	--	--	55	Sale	54½ July 22	55⅞ July 3	52 Mar 6	58⅝ Apr 10
2,450	12,164	Armour & Co (Del) (Un)	5	42½	Sale	--	--	41¼	Sale	41¼ July 31	43 July 9	41¼ July 31	48 Apr 16
----	452	Warrants (Un)	*	--	--	--	--	--	--	-- ------	-- ------	27½ Jun 18	28 Apr 9
378	27,743	Ashland Oil & Refin'g (Un)	1	--	--	--	--	--	--	27⅞ July 17	27⅜ July 17	26½ Jan 28	30⅞ May 13
21,527	187,886	Atch T & S Fe Ry (Un)	10	25⅛	Sale	29¾	Sale	--	--	27 July 24	30⅛ July 2	25⅛ Jan 2	30¼ Jun 6
25	10,115	Atlantic Coast Line RR	*	--	--	--	--	53¼	Sale	a-- ------	a-- ------	47½ Jan 22	57 May 22
1,825	24,823	Atlantic Refining Co (Un)	10	48¼	Sale	--	--	--	--	52 July 8	53¼ July 31	48¼ Jan 2	56⅝ Apr 17
2,909	61,514	Atlas Corp common (Un)	1	2⅛	Sale	--	--	2⅝	Sale	2⅝ July 3	2⅞ July 12	2⅛ Jan 2	3 May 31
----	9,391	Warrants (Un)	--	--	--	--	--	--	--	-- ------	-- ------	⅞ Mar 20	1⅜ Jun 11
----	539	5% preferred (Un)	20	--	--	--	--	--	--	-- ------	-- ------	15¼ Jan 28	17⅛ May 24
1,538	8,553	Automatic Retailers of America	50c	--	--	--	--	33⅛	Sale	32⅛ July 29	36⅜ July 8	32⅛ July 29	41 Jun 12
13,669	90,876	Avco Mfg Corp (Un)	3	25	Sale	27⅜	Sale	--	--	25⅝ July 22	28⅞ July 9	23 Mar 4	29¼ Jun 11
1,813	30,241	Avnet Electronics Corp	5c	--	--	--	--	17⅛	Sale	17⅛ July 19	17¾ July 11	15⅞ May 21	24⅜ Mar 7
3,646	38,788	Baker Oil Tools Inc	1	--	--	11¼	Sale	--	--	10¼ July 26	11¼ July 1	10¼ July 26	14 Jan 22
10,613	75,351	Baldwin-Lima-Ham (Un)	13	--	--	13⅝	Sale	12¾	Sale	11⅞ July 30	13⅝ July 1	11⅞ July 30	14⅝ May 22
64	1,343	Baldwin Securities (Un)	1c	--	--	--	--	--	--	a-- ------	a-- ------	3⅞ Apr 9	4¼ Jun 4
115	1,517	Balt & Ohio RR (Un)	100	--	--	--	--	--	--	37 July 22	37 July 22	30½ Jan 4	37 July 22
----	2,910	Baruch-Foster Corp	50c	¾	1	--	--	--	--	-- ------	-- ------	⅞ Jan 21	1 Jan 10
5,054	24,516	Beckman Instruments	1	--	--	80½	Sale	73⅛	Sale	71¾ July 12	84¼ July 3	71¾ July 12	114⅜ Jan 14
544	5,017	Beech Aircraft Corp	1	--	--	--	--	--	--	13⅝ July 23	14⅛ July 2	13⅝ July 23	16¾ Jan 9
668	7,333	Bell Electronic Corp	*	3	3⅜	2	2¼	2⅛	Sale	2⅛ July 9	2⅛ July 9	2⅛ Apr 17	3½ Jan 11
193	2,138	Bell Intercont'l Corp (Un)	1	--	--	--	--	--	--	a-- ------	a-- ------	10½ Jan 7	11⅝ Jun 6
5,987	81,153	Bell & Howell Company	*	22½	Sale	26⅛	Sale	24⅛	Sale	23⅛ July 22	26⅝ July 2	21¼ Feb 8	30⅜ Jun 13
1,332	14,647	Bendix Corp (Un)	5	--	--	52	Sale	50¾	Sale	50¾ July 31	52 July 1	50¼ Mar 22	57⅞ Jan 28
1,955	12,688	Benguet Consol (Un)	2p	--	--	--	--	1¼	Sale	1¼ July 5	1⅜ July 18	1¼ Jan 3	1½ Feb 12
202	3,654	Bestwall Gypsum (Un)	40c	--	--	--	--	--	--	34 July 18	34 July 18	28⅛ Jan 31	34 July 18
14,053	161,423	Bethlehem Steel (Un)	8	29¼	Sale	30⅝	Sale	29⅞	Sale	29¾ July 31	30⅝ July 1	29 Jan 2	34⅝ Apr 16
10,095	106,547	Boeing Company (Un)	5	37¼	Sale	35⅜	Sale	33¼	Sale	31 July 26	35⅝ July 5	31 July 26	40⅜ Feb 27
309	4,719	Bond Stores Inc (Un)	1	--	--	--	--	--	--	19⅞ July 2	19⅞ July 2	18⅜ Mar 28	20⅜ May 20
626	6,239	Borden Co (Un)	7.50	--	--	--	--	--	--	62 July 30	63¼ July 5	59⅞ Apr 9	67¼ May 23
3,815	32,212	Borg-Warner Corp	5	--	--	45½	Sale	--	--	43¾ July 25	46¾ July 5	41½ Mar 6	47¼ Jun 14
5,513	47,174	Brewer (C) & Co Ltd	*	35	36½	68½	Sale	61¼	62	62 July 30	70 July 5	37 Jan 9	75 May 23
14,684	104,375	Broadway Hale Stores	5	32¼	Sale	34½	Sale	35¼	Sale	34⅛ July 15	35⅜ July 31	28 Feb 27	36⅛ Jun 4
35,418	245,509	Brunswick Corp	*	18⅜	Sale	15	Sale	12⅞	Sale	12⅞ July 31	15⅜ July 3	12⅞ July 31	20⅝ Jan 8
11,935	25,362	Buckner Industries Inc	1	1.95	2.15	1.80	2.00	1.90	2.00	1.80 July 12	2.20 July 18	1.75 Mar 26	2.35 Jan 28
4,216	25,811	Budd Co	5	--	--	15⅛	Sale	--	--	13⅞ July 22	15½ July 2	12⅝ Mar 19	15½ July 2
1,279	8,982	Budget Finance Plan com	50c	13¼	13⅝	14⅞	Sale	--	--	14½ July 17	15⅜ July 12	13⅝ Jan 3	15¾ May 8
516	1,160	6% preferred	10	10¼	10¾	--	--	10	10⅜	10⅛ July 23	10⅛ July 23	10⅛ July 23	10⅜ May 29
2,595	25,850	Bullock's Inc	5	--	--	61	Sale	--	--	61 July 1	64 July 24	55 Jan 17	64 July 24
1,200	6,512	Bunker Hill Co (Un)	2.50	8½	8⅞	18	Sale	17⅞	18⅜	17¾ July 30	19⅜ July 26	8½ Jan 3	19⅜ July 26
9,039	81,256	Burlington Industries (Un)	1	--	--	34⅜	Sale	36	Sale	34 July 9	36¼ July 31	26 Jan 3	36¼ July 31
7,144	50,164	Burroughs Corp	5	--	--	29¼	Sale	26⅜	Sale	26¼ July 25	29⅜ July 5	26¼ July 25	34 Feb 18
48,200	48,200	Rights	--	--	--	--	--	--	¼	Sale	7/32 July 24	3/32 July 24	5/16 July 22
40,016	474,899	Buttes Gas & Oil Co	*	4⅛	Sale	4⅜	Sale	4½	Sale	4⅛ July 23	4⅝ July 8	4 Jan 9	6 Jan 17
350	5,958	Cabol Enterprises Limited	*	½	¾	55c	65c	45c	55c	60c July 9	60c July 9	50c Mar 13	1 Jan 10
14,564	178,268	Calif Financial Corp	1	8¼	Sale	8⅞	Sale	--	--	8⅝ July 23	9⅜ July 11	8¼ Jan 2	11½ Apr 11
1,397	16,626	California Ink Co Inc	5.50	18	18⅝	20⅞	Sale	19½	20¼	19⅝ July 23	21 July 12	18⅞ Jan 7	22 Apr 22
9,667	110,898	California Packing	2.50	24¼	Sale	30⅛	Sale	31¾	Sale	30 July 1	32¼ July 12	23⅞ Apr 24	32¼ July 12
506	6,301	Campbell Soup Co (Un)	1.80	--	--	--	--	--	--	95¾ July 8	97 July 12	93⅞ Apr 19	100¾ Feb 18
1,215	5,637	Canada Dry Corp (Un)	1⅔	--	--	23	Sale	22¾	Sale	22½ July 15	23 July 1	21⅞ Mar 22	24¼ May 9
1,140	7,470	Canada Southern Pet Ltd	1	4⅜	4¾	--	--	--	--	4⅛ July 2	4⅛ July 2	3⅜ Mar 13	4⅝ May 21
5,132	41,896	Canadian Pacific Ry (Un)	25	--	--	29½	Sale	--	--	27¾ July 30	30½ July 9	23¼ Jan 16	30½ July 9
410	5,786	Carrier Corp (Un)	10	--	--	--	--	--	--	a-- ------	a-- ------	39⅝ Jan 15	42¼ May 19
2,592	35,395	Case & Co (J I) (Un)	12½	--	--	--	--	9⅜	Sale	8 July 22	9⅜ July 31	7⅛ Jan 3	10⅝ May 23
16,696	118,619	Castle & Cooke, Inc	10	26⅜	Sale	32¾	Sale	29⅞	Sale	29¾ July 19	33¼ July 10	26⅜ Jan 2	37¾ May 22
7,958	55,637	Caterpillar Tractor	*	37	Sale	--	--	43⅜	Sale	41⅞ July 29	46 July 11	34⅝ Mar 1	46½ Jun 5
2,561	33,512	Celanese Corp of America	*	--	--	--	--	48¼	Sale	45 July 19	48¼ July 31	37 Feb 25	48¾ Jun 13
11,375	17,384	Cenco Instruments Corp	1	--	--	--	--	--	--	40¾ July 23	44 July 11	40¼ Jan 10	47⅛ Jun 20
852	41,724	Central & South West Corp (Un)	2.50	--	--	--	--	--	--	43 July 2	44¾ July 18	42 Jun 3	44¾ July 18
2,687	19,127	Cerro Corp (Un)	5	--	--	24¾	Sale	--	--	24¾ July 1	27½ July 8	19⅞ Jan 3	28¼ Jun 4
1,245	20,692	Certain-teed Prods Corp	1	16	Sale	--	--	15⅛	Sale	13⅞ July 16	15⅛ July 31	13⅞ Jun 4	19¾ Feb 6
627	13,466	Chadbourn Gotham Inc	1	--	--	--	--	--	--	3¾ July 5	4 July 9	3⅝ Jun 18	4⅝ Jan 11
1,296	12,685	Champlin Oil & Ref (Un)	1	--	--	--	--	--	--	32 July 9	32 July 9	29¾ Mar 1	34⅜ Jan 17
----	750	Charter Oil Co Ltd	1	--	--	--	--	--	--	-- ------	-- ------	1⅛ Feb 19	1⅜ Jun 18
2,977	28,116	Chesapeake & Ohio (Un)	25	--	--	61⅞	Sale	--	--	60⅞ July 25	62½ July 11	52⅞ Jan 3	63⅞ May 27

(Un) Admitted to unlisted trading privileges. See page 50 for all other footnotes.

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Aggregate Sales In July Shares	Aggregate Sales Since Jan. 1 Shares	Pacific Coast Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
583	9,320	Chicago Mil & St Paul & Pacific Co (Un)	*	—	—	25⅞	Sale	24⅞	Sale	13⅝ July 26	14½ July 19	10¼ Mar 27	13¾ May 16
2,764	22,841	Chicago Rock Island & Pacific RR (Un)	*	—	—	—	—	—	—	24⅞ July 24	25⅞ July 1	19½ Jan 3	26¼ Jun 27
584	7,426	Chris Craft Industries	1	—	—	—	—	—	—	13 July 2	13¼ July 16	12¼ Mar 18	18¼ Apr 11
1,408	14,732	Christiana Oil Corp	1	—	—	—	—	—	—	6⅞ July 30	7⅝ July 2	5⅝ Jan 4	8¼ Jun 20
75,103	245,865	¶Chrysler Corp	12½	—	—	61½	Sale	57⅝	Sale	57 July 12	64¼ July 3	51⅛ May 6	69¼ Jun 5
6,282	27,004	Cities Service Co (Un)	10	56⅜	Sale	—	—	70⅝	Sale	65¾ July 2	70⅝ July 31	56⅜ Jan 2	70⅝ July 31
1,880	13,654	Clary Corp	1	4¾	5	7¾	8	—	—	7⅞ July 2	9 July 15	4⅝ Mar 22	9⅛ Jun 13
965	6,609	Cohu Electronics Inc	1	3⅝	Sale	5⅛	Sale	—	—	4⅞ July 16	5⅛ July 1	3⅝ Jan 2	5⅛ July 1
2,034	33,964	Colorado Fuel & Iron	5	—	—	—	—	—	—	8⅜ July 19	9 July 3	8⅜ July 19	10¾ Apr 16
4,940	31,620	Columbia Broadcast Sys	2.50	—	—	—	—	65	Sale	59½ July 3	65½ July 31	44⅝ Jan 8	65½ July 31
3,783	36,241	Columbia Gas System (Un)	10	—	—	—	—	29¾	Sale	29⅜ July 25	30¼ July 10	27 Feb 5	30⅜ Jun 5
2,007	17,794	Commercial Solvents (Un)	1	—	—	—	—	—	—	22½ July 12	23½ July 29	22⅛ Apr 5	27¾ Jan 29
2,093	25,132	Commonwealth Edison	12½	44¼	Sale	48	Sale	49¼	Sale	48 July 1	49¼ July 31	44¼ Jan 2	50¼ Feb 19
5,074	28,506	Consol Edison of NY (Un)	*	—	—	—	—	—	—	84¾ July 2	87⅛ July 31	83¾ Jan 7	88 Apr 23
138	3,544	Consolidated Foods	1⅓	—	—	—	—	—	—	a— —	a— —	34¼ Jan 8	41⅞ May 20
165	4,228	Consol Nat Gas Co (Un)	10	—	—	—	—	—	—	a— —	a— —	58½ Apr 8	65 May 21
2,300	6,902	Consolidated Oil & Gas	20c	—	—	—	—	—	—	3⅝ July 19	4 July 10	3⅝ July 19	4⅝ Feb 11
347	3,624	Consumers Power (Un)	*	—	—	—	—	—	—	45⅝ July 29	45⅝ July 29	40⅞ Mar 4	45⅝ July 29
2,412	19,532	Continental Can (Un)	10	—	—	47⅛	Sale	—	—	45⅛ July 30	47¾ July 11	42⅝ Apr 2	47⅞ Jun 24
612	2,333	Continental Cop & Steel Industries	2	—	—	—	—	5⅝	Sale	5⅝ July 31	6¼ July 10	4½ Mar 19	6¼ July 10
3,275	25,404	Continental Insur (NY)	5	—	—	—	—	56⅜	Sale	56⅜ July 31	59¾ July 5	56⅜ July 31	64⅛ Feb 18
826	58,354	Continental Motors (Un)	1	—	—	—	—	—	—	11¾ July 26	12⅜ July 9	10⅞ Jan 3	13½ Jun 5
836	42,863	Continental Oil Co (Un)	5	—	—	—	—	—	—	58⅛ July 23	60¾ July 9	55 Jan 4	63 May 16
----	793	Controls Co of America	5	—	—	—	—	—	—	— —	— —	25⅞ May 8	25⅞ May 8
3,588	26,991	Corn Products	50c	50	Sale	—	—	—	—	54½ July 17	56⅝ July 22	50 Jan 2	59¼ May 23
514	4,671	Crane Co (Un)	25	—	—	—	—	—	—	48¼ July 19	49 July 24	46¾ Feb 12	49 Mar 6
468	8,186	Crestmont Consol Corp	1	—	—	—	—	—	—	4¾ July 18	5⅜ July 8	3⅞ Jan 3	5½ Jun 6
4,843	75,941	Crown Zellerbach com	5	46	Sale	50¼	Sale	—	—	46⅜ July 25	50¼ July 1	45¾ Jan 3	57½ Apr 25
197	676	$4.20 preferred	*	—	—	—	—	—	—	96 July 11	97 July 3	96 July 11	99 Apr 1
4,295	29,314	Crucible Steel Co of America (Un)	12.50	—	—	—	—	—	—	20⅝ July 8	21⅝ July 17	17¼ Jan 30	21⅞ Jun 21
301	6,400	Cudahy Packing Co (Un)	5	8	Sale	—	—	—	—	7 July 22	7⅛ July 8	7 July 22	10 Jan 25
150	4,460	Curtis Publishing Co (Un)	1	—	—	—	—	—	—	6⅞ July 17	6⅞ July 17	6⅝ Apr 8	8½ Feb 14
3,412	63,481	Curtiss-Wright Corp (Un)	1	17½	Sale	—	—	20⅛	Sale	19½ July 23	21⅝ July 11	17½ Jan 2	24¼ May 16
100	590	Class "A" (Un)	1	—	—	—	—	—	—	37⅝ July 10	37⅝ July 10	37⅝ July 10	37⅝ July 10
1,773	26,242	Cutter Laboratories Inc— Class A common	1	11	11¾	14¼	Sale	15	Sale	14¼ July 1	15⅞ July 15	11⅝ Jan 7	15⅞ Jun 19
420	2,015	Class B common	1	11¼	11⅝	13½	14½	14	15	14¼ July 5	15 July 11	13 Mar 8	15¼ Jun 19
2	5,617	Cypress Abbey Co	2	2.15	2.25	2.45	2.60	2.45	2.60	a— —	a— —	2.15 Jan 21	2.50 Jun 13
720	3,169	Decca Records Inc	50c	—	—	45⅜	Sale	—	—	45⅜ July 1	45⅜ July 1	45¼ Jan 22	46 Apr 26
3,072	17,660	Deere & Co (Un)	1	—	—	—	—	—	—	62 July 17	64⅜ July 5	53¼ Jan 9	69¼ Jun 7
2,482	19,644	Denver & Rio Grande Western RR (Un)	*	—	—	—	—	21½	Sale	20⅛ July 24	22¾ July 3	19¾ Mar 29	23 May 29
1,995	10,765	Desilu Productions Inc	1	7¼	7¾	6½	7	6⅝	Sale	6⅝ July 31	6⅞ July 15	6⅝ July 31	8⅛ Jan 4
3,276	31,843	DiGiorgio Fruit Corp	2.50	13⅝	14	14⅞	Sale	14⅛	Sale	14 July 16	14⅞ July 1	11⅜ Feb 28	15⅝ May 14
4,788	35,922	Disney (Walt) Prod	2.50	28¾	Sale	—	—	39½	Sale	37¾ July 2	41 July 11	28¾ Jan 2	41 July 11
1,909	7,394	Dome Mines Ltd (Un)	*	—	—	—	—	—	—	27⅜ July 23	28⅞ July 15	24⅝ Jan 15	28⅞ July 15
160	2,161	Dorr-Oliver Corp com	7½	12	12½	11⅝	12	11⅞	12⅜	a— —	a— —	12⅛ Jun 20	13¼ Jan 29
20	715	$2 preferred	32½	34	35½	36½	37½	36½	37½	a— —	a— —	35¾ May 7	39½ Feb 8
3,633	47,268	Douglas Aircraft	*	—	—	—	—	23⅛	Sale	22¾ July 15	23⅞ July 18	22¾ July 15	29¾ Jan 11
3,323	35,869	Dow Chemical Co	5	55⅞	Sale	—	—	59¼	Sale	58 July 24	60⅜ July 3	55 Mar 1	65⅞ Apr 30
2,073	23,220	Dresser Industries	50c	—	—	—	—	—	—	26¼ July 8	27⅝ July 22	22⅝ Jan 3	27⅝ July 22
2,044	18,798	du Pont de Nemours (Un)	5	—	—	—	—	237	Sale	233 July 23	245¼ July 5	233 July 23	256¾ May 9
10,847	24,386	Eastern Air Lines (Un)	1	—	—	—	—	24⅛	Sale	22½ July 26	24¼ July 26	19⅛ Apr 16	24¼ July 26
3,826	35,235	Eastman Kodak Co (Un)	10	—	—	—	—	—	—	106½ July 24	109¼ July 30	106½ July 24	120⅞ Apr 25
----	1,300	Elder Peel Corp Ltd	1	¾	1	⅞	1	—	—	— —	— —	⅞ Mar 15	1⅛ May 17
13,826	113,293	El Paso Natural Gas	3	17¼	Sale	18¾	Sale	19⅛	Sale	18⅝ July 1	19⅛ July 30	17⅛ Jan 2	20½ Apr 22
252	2,356	Electric Bond & Sh (Un)	5	—	—	—	—	—	—	30⅞ July 29	30⅞ July 29	28⅜ Jan 7	31 Apr 29
20,839	69,365	Electronics Specialty	50c	24¼	Sale	29⅛	29⅞	28	Sale	29 July 8	33⅞ July 12	20¾ Mar 28	33⅞ July 12
385	385	Eltra Corp com (Un)	25	—	—	—	—	—	—	26¼ July 5	26¼ July 5	26¼ July 5	26¼ July 5
119	119	Conv pfd (Un)	34½	—	—	—	—	—	—	30¼ July 16	30¼ July 16	30¼ July 16	30¼ July 16
267	8,079	Emerson Radio & Phonograph (Un)	5	—	—	—	—	—	—	10 July 12	10½ July 18	9⅜ Mar 1	11⅜ Jan 24
7,648	55,402	Emporium Capwell	10	37¾	Sale	38½	Sale	37¾	38¼	38⅛ July 16	38¾ July 1	34¾ Mar 1	39 Jan 15
224	8,947	Erie-Lack RR (Un)	*	—	—	—	—	—	—	3¼ July 18	3¼ July 18	3 Jan 7	4⅛ Feb 13
34,650	228,396	Eureka Corp Ltd ($1 or 25c)		⅛	⅜	20c	Sale	20c	24c	20c July 1	24c July 9	15c Feb 4	35c Mar 5
4,967	32,067	Eversharp Inc	1	25½	Sale	—	—	44⅞	Sale	40 July 23	45⅝ July 31	25½ Jan 2	45⅝ July 31
2,900	112,705	Exeter Oil Co Ltd "A"	1	.40	Sale	48c	Sale	41c	45c	41c July 22	48c July 1	35c Feb 26	62c May 3
841	43,636	Factor (Max) & Co	1	—	—	—	—	—	—	45⅛ July 8	45⅞ July 12	37⅝ Jan 3	48½ May 3
4,798	47,587	Fairbanks Whitney	1	—	—	—	—	5¼	Sale	5¼ July 9	5⅞ July 2	4¼ Apr 17	6⅛ Jan 11
2,868	34,229	Fairchild Camera & Instrument Corp (Un)	5	45⅛	Sale	37¼	Sale	35½	Sale	33⅝ July 25	39 July 3	32¾ Apr 5	49¾ Jan 14
357	11,759	Fairchild Stratos (Un)	1	7¼	Sale	—	—	—	—	6¼ July 12	6¼ July 12	6 Jun 18	8¾ Feb 6
1,275	2,375	Family Record Plan	1	—	—	8⅞	Sale	7½	7⅞	7⅞ July 25	8⅞ July 1	7⅞ July 25	9 Jun 28
920	7,385	Fansteel Metallurgical (Un)	5	—	—	—	—	—	—	16¾ July 11	17¼ July 7	16¾ July 11	22¾ Feb 18
2,040	5,103	Fargo Oils Ltd	1	—	—	—	—	—	—	1 15/16 July 30	2 1/16 July 11	1 15/16 July 30	2 1/16 Jan 15
300	4,445	Fawick Corp	2	—	—	—	—	—	—	9¼ July 8	9½ July 9	8⅛ Mar 7	9⅝ May 16
428	3,081	Fedders Corp (Un)	1	—	—	—	—	—	—	16¾ July 9	17 July 30	16¾ July 9	19¾ May 17
604	4,662	Federal-Mogul-Bower Bearings	5	38¼	39¼	45½	46½	44	Sale	44 July 31	46⅝ July 10	38 Mar 13	47 Jun 10
10,261	30,212	Fibre Board Paper Prod	*	24	Sale	27½	Sale	26¼	Sale	26¼ July 31	28¼ July 16	24 Jan 2	29½ May 3
1,400	14,295	Firestone Tire & Rub (Un)	*	—	—	—	—	32¾	Sale	32¾ July 31	34½ July 9	32¾ July 31	37½ May 10
3,305	66,445	First Charter Financial	*	—	—	38¾	Sale	—	—	38⅝ July 24	41⅜ July 10	32 Jan 24	43⅝ Apr 16
1,831	31,382	Flintkote Co (The)	5	17⅞	Sale	—	—	—	—	20⅜ July 24	22⅛ July 2	17⅞ Jan 2	23⅛ Jun 4
307	3,959	Florida Power & Light (Un)	*	—	—	—	—	—	—	71 July 3	71 July 3	69½ Mar 6	74¾ May 13
979	11,284	Fluor Corp Ltd	2.50	—	—	—	—	—	—	16⅝ July 23	18 July 10	14¼ May 14	19⅜ Jun 14
1,798	18,227	Flying Tiger Line Inc	1	14½	Sale	11¼	11½	—	—	11½ July 24	12¾ July 10	11¼ Apr 16	16 Feb 13
7,603	68,166	FMC Corp	10c	—	—	41⅜	Sale	42¼	Sale	40 July 10	42¾ July 30	35¾ Jan 3	44⅞ Jun 4
757	5,438	Food Fair Stores Inc	1	—	—	—	—	—	—	22⅛ July 5	22⅛ July 5	22⅛ July 5	24¾ Feb 27
29,975	319,942	Ford Motor Co	2½	45½	Sale	51¼	Sale	51⅜	Sale	50 July 19	53⅜ July 3	42 Feb 28	56¼ Jun 7
14,280	121,047	Foremost Dairies Inc	2	8¾	Sale	9⅝	Sale	9⅞	Sale	9½ July 1	10¼ July 11	8⅜ Jan 7	11⅛ May 20
19,701	77,712	Friden Inc	33⅓c	28¾	29⅜	35½	Sale	39⅝	Sale	33½ July 15	40¾ July 17	26⅝ Mar 20	40¾ July 17
6,997	60,972	Fruehauf Trailer Co	1	24⅞	Sale	—	—	28¼	Sale	27⅝ July 22	30⅜ July 3	24⅞ Jan 2	35½ Jun 5
377	4,467	Garrett Corp	2	—	—	—	—	—	—	a— —	a— —	40¼ Mar 20	45½ May 1
343	18,990	Gen Amer Oil Co of Tex	5	—	—	—	—	—	—	a— —	a— —	34 Mar 1	40 Jan 3
7,917	57,754	General Dynamics Corp	1	28⅜	Sale	24½	Sale	—	—	23⅝ July 22	26 July 3	23½ Jun 27	30 Feb 6
6,613	83,585	Gen Electric Co (Un)	5	—	—	78⅝	Sale	78¼	Sale	76⅜ July 26	80¾ July 5	72½ Mar 18	84¼ May 31
54,934	266,639	Genl Explor Co of Calif	1	7¾	8⅛	13	Sale	15⅜	Sale	12½ July 1	16¼ July 22	7¾ Jan 4	16¼ July 22
3,085	26,179	General Foods Corp (Un)	*	—	—	—	—	81½	Sale	79½ July 19	83⅝ July 5	77⅞ Mar 1	84⅞ Jan 22
1,584	24,718	General Mills Inc (Un)	3	—	—	—	—	—	—	34 July 23	35½ July 9	31⅝ Jan 7	37⅞ Apr 5
34,267	374,484	General Motors Corp	1⅔	58⅛	Sale	69¾	Sale	71⅞	Sale	67¼ July 22	71⅞ July 31	58 Jan 2	73⅞ Jun 3
3,028	20,336	Genl Public Serv (Un)	10c	—	—	—	—	5⅝	Sale	5⅝ July 25	5⅞ July 22	5½ Mar 20	5⅞ Jan 28
896	13,885	General Public Util (Un)	2½	—	—	—	—	—	—	32½ July 17	33 July 3	31¾ Jan 11	34¼ Feb 12
23,920	247,680	General Telephone & Electronics Corp (Un)	3⅓	23⅛	Sale	24¾	Sale	—	—	24⅛ July 23	25¾ July 30	23 Jan 2	26⅞ May 15
8,707	84,581	Gen Tire & Rubber	30c	—	—	24⅞	Sale	—	—	22 July 22	25⅛ July 3	20¾ Jan 16	27¾ May 1
6,622	24,712	Georgia-Pac Corp (Un)	80c	—	—	49¾	Sale	—	—	[illegible]	[illegible]	44⅝ Mar 13	53¼ Jun 13
434	4,057	Gerber Products Corp	5	—	—	—	—	—	—	63¼ July 17	64 July 19	53½ Jan 28	64 July 19
8,296	54,326	Getty Oil Co	4	—	—	23	Sale	—	—	[illegible] 1	26¼ July 15	17½ Jan 10	26¼ July 15
486	8,276	Gibraltar Financial Corp	1	—	—	—	—	—	—	27¾ July 5	27¾ July 5	27¾ July 5	36½ Apr 15
21,641	173,315	Gillette Co	1	31	Sale	34⅜	Sale	34⅝	Sale	33¾ July 5	36½ July 5	28¼ Jan 11	36¾ Apr 8
215	2,415	Gimbel Bros (Un)	5	—	—	—	—	—	—	38½ July 19	38½ July 19	37⅛ Feb 25	39 Jun 7
1,791	19,675	Glen Alden Corp (Un)	1	—	—	—	—	—	—	14½ July 30	16⅝ July 12	10⅛ Jan 3	16⅜ July 12
492	3,735	Glidden Co (Un)	10	—	—	—	—	—	—	a— —	a— —	38⅛ Jan 4	40⅜ Jun 14
6,776	86,669	Goebel Brewing Co	1	.48	Sale	85c	Sale	70c	75c	72c July 26	85c July 1	45c Jan 2	1.10 Jan 22
148,764	681,183	Good Humor Co of Calif	10c	.83	Sale	61c	Sale	55c	Sale	47c July 22	66c July 1	47c July 22	95c Jan 7
3,514	31,397	Goodrich (B F) (Un)	10	—	—	—	—	—	—	47¼ July 16	48 July 10	42⅞ Jan 3	52⅜ May 20
2,452	54,593	Goodyear Tire & Rubber	*	—	—	—	—	34⅞	Sale	33⅜ July 16	34⅞ July 31	32⅜ Mar 6	37⅝ May 16
2,660	14,943	Grace (W R) & Co	1	40	Sale	46	Sale	43⅜	Sale	42¾ July 26	46 July 1	37⅞ Mar 1	49⅛ Jun 4
1,907	16,857	Granite City Steel (Un)	6¼	—	—	—	—	26⅛	Sale	26⅛ July 16	27 July 10	26⅛ July 16	31⅝ Apr 15

(Un) Admitted to unlisted trading privileges. See page 50 for all other footnotes.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Pacific Coast Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
92,316	852,689	Great Basins Petroleum	20c	3½	Sale	5⅛	Sale	4⅝	Sale	4½ July 26	5⅝ July 5	2⅝ May 2	5⅞ Jun 7
3,200	67,675	Great Lakes Chemical	1	2	2⅛	2⅛	2¼	2⅛	Sale	2⅛ July 26	2½ July 8	2⅛ Jan 8	3⅜ Jan 10
5,561	46,748	Great Northern Ry (Un)	*	--	--	54⅛	Sale	51⅝	Sale	50¼ July 23	55 July 2	44 Jan 16	55 July 2
14,032	159,720	Great Western Financial	1	18	Sale	19⅛	Sale	18⅜	18¾	18¾ July 26	21 July 9	17 Jan 14	24½ Apr 15
23	419	Gt Western Producers	60c	5¾	6¼	6½	7½	7¼	8¼	a-- ------	a-- ------	a-- ------	a-- ------
2,917	32,290	Greyhound Corp com	3	31⅞	Sale	39½	Sale	--	--	39½ July 1	40½ July 15	31⅞ Jan 2	44⅛ May 3
32	675	4½% conv pfd	50	--	--	--	--	--	--	a-- ------	a-- ------	62¼ Jan 3	62¼ Jan 3
1,431	12,024	Grumman Aircraft Engineering (Un)	1	44¾	Sale	--	--	--	--	43 July 24	47⅜ July 15	42¼ Jan 29	52¼ May 13
3,261	24,592	Gulf American Land Corp	1	6	6¼	5	Sale	4½	Sale	4½ July 31	5¼ July 12	4½ July 31	6⅝ Jan 8
277	4,041	Gulf Mobile & Ohio RR Co (Un)	*	--	--	--	--	--	--	38⅛ July 22	39½ July 2	32 Jan 4	40½ Jun 21
30,469	166,021	Gulf Oil Corp (Un)	8⅓	38⅝	Sale	44¾	Sale	48⅛	Sale	44¾ July 1	48⅝ July 12	38⅛ Jan 7	48⅝ July 12
5,817	21,085	Hammond Organ Co (Un)	1	--	--	--	--	25⅜	Sale	24 July 19	25⅜ July 31	21⅝ Mar 4	25⅜ July 31
101	1,867	Hartfield Stores	1	6	6½	5½	6¼	--	--	6⅛ July 8	6⅛ July 8	6 May 10	7⅞ Jan 10
6,381	37,702	Hawaiian Telephone Co	5	--	--	22½	Sale	--	--	22⅛ July 2	23⅜ July 11	22⅛ July 2	24⅞ May 6
40,791	50,047	Hercules Powder (Un)	1 1/24	41⅜	Sale	--	--	--	--	35⅛ July 24	38⅜ July 2	35⅛ July 24	43¼ Jan 15
12,689	15,410	Hertz Corp (Un)	1	--	--	--	--	--	--	50½ July 8	51 July 9	43 Feb 11	52 May 16
5,540	54,811	Hewlett-Packard Co	1	23⅝	Sale	--	--	21⅜	Sale	21⅛ July 18	23⅜ July 11	18¾ Apr 9	26¾ Jan 11
4,812	20,873	Hilton Hotels Corp	2.50	--	--	--	--	22	Sale	22 July 30	25¼ July 11	22 July 30	28¾ Feb 7
100	4,340	Warrants	--	--	--	--	--	--	--	5⅜ July 8	5⅜ July 8	5⅜ July 8	7¾ Jan 14
2,746	23,677	Hoffman Electronics	50c	9½	Sale	8¼	Sale	7½	Sale	7⅜ July 30	8¼ July 1	7⅜ July 30	10⅜ Jan 4
2,633	26,079	Holly Oil Co	1	1.60	1.70	1.60	Sale	1.55	1.70	1.55 July 2	1.70 July 22	1.50 Jun 12	1.85 Jan 14
111	1,341	Home Oil Co Ltd cl A	*	10½	11	10½	10⅞	--	--	9⅞ July 19	9⅞ July 19	9⅞ July 19	11¾ Feb 7
----	642	Class B	*	10⅜	10¾	10½	10⅞	--	--	-- ------	-- ------	11⅝ Feb 12	11⅞ Feb 4
5,106	18,208	Homestake Min'g (Un)	12½	--	--	51	Sale	--	--	49 July 2	52¾ July 22	45⅛ Jan 7	52¾ July 22
748	7,408	Howe Sound Co (Un)	1	11¼	Sale	--	--	--	--	12¾ July 10	12¾ July 10	11¼ Jan 2	13⅝ Jun 19
817	7,215	Hupp Corp (Un)	1	--	--	--	--	6¾	Sale	6¾ July 31	7⅛ July 2	6¾ July 31	8⅝ Jan 14
660	4,717	Idaho Power Co	5	--	--	--	--	--	--	33¼ July 26	34 July 3	33 Mar 21	36½ May 23
4,279	16,566	Ideal Cement Co	5	--	--	22½	Sale	23½	Sale	23½ July 31	24⅝ July 21	21⅛ Mar 15	26½ Jun 3
441	7,213	Illinois Central RR (Un)	*	--	--	--	--	--	--	51 July 22	51 July 22	42¼ Jan 7	55¼ Jun 21
		Imperial Western. Name changed to Royal Properties.											
1,536	16,950	Inland Steel Co (Un)	*	--	--	--	--	--	--	38¾ July 19	40 July 18	36¾ Mar 18	42⅜ Jun 5
626	2,116	Interlake Iron Corp (Un)	*	--	--	--	--	24¼	Sale	24¼ July 31	24½ July 5	24¼ July 31	26⅝ Apr 15
5,594	8,673	Int'l Business Mach (Un)	5	--	--	--	--	436	Sale	428½ July 22	445 July 31	428½ July 22	477½ Jun 3
4,586	36,535	Internat'l Harvester (Un)	*	--	--	56½	Sale	--	--	54½ July 23	59¼ July 10	50½ Jan 3	63 May 20
1,491	19,060	International Nickel Co of Can Ltd (Un)	*	--	--	--	--	57¾	Sale	57¾ July 31	61⅞ July 11	57¾ July 31	67⅜ Jan 31
7,952	93,421	Int'l Paper Co (Un)	2.50	--	--	30¼	Sale	--	--	28⅜ July 26	30½ July 3	27 Mar 4	32⅜ Apr 8
110	1,425	Int'l Pipe & Ceramics com	1	--	--	--	--	--	--	a-- ------	a-- ------	31 Apr 25	35 Jun 25
148	6,488	5% conv. preferred	100	--	--	--	--	--	--	a-- ------	a-- ------	104¾ Jan 17	107 Apr 4
996	16,732	Int'l Rectifier Corp	1	--	--	--	--	--	--	8⅝ July 19	9⅜ July 16	8 May 7	10½ Jan 28
6,724	44,517	Int'l Tel & Tel (Un)	*	--	--	--	--	49½	Sale	48⅛ July 19	51⅜ July 11	42½ Jan 3	51⅜ July 11
274	1,700	Interstate Power Co	3½	--	--	--	--	--	--	a-- ------	-- ------	26 Feb 13	27 Mar 1
210	8,341	Intex Oil Co	33⅓c	6	Sale	7¼	7⅜	--	--	7 July 22	7½ July 11	6 Jan 2	9 Jun 5
14,187	178,416	Jade Oil Co	50c	3¾	Sale	3¾	4	3¾	Sale	3⅝ July 2	3⅞ July 3	2⅜ May 13	4½ Jan 10
6,703	39,418	Johns-Manville Corp (Un)	5	--	--	46¾	Sale	46⅞	Sale	46½ July 1	48 July 11	43½ Mar 8	51 Jun 6
1,768	22,511	Jones & Lghlin Steel (Un)	10	--	--	--	--	54⅜	Sale	53 July 8	55 July 17	49⅝ Jan 18	57⅞ Apr 16
4,010	28,460	Jorgensen (Earle M)	1	--	--	--	--	14⅛	Sale	14 July 22	14⅝ July 3	13⅝ Feb 26	15¼ Apr 22
3,975	33,207	Kaiser Alum & Chem	33⅓c	35⅝	Sale	37⅜	Sale	34⅛	Sale	32⅞ July 26	38¾ July 10	32⅞ Feb 13	42 Jun 5
----	158	4¾% cum preferred	50	--	--	--	--	--	--	-- ------	-- ------	a-- ------	a-- ------
60	242	4⅛% conv preferred	100	--	--	--	--	--	--	a-- ------	a-- ------	a-- ------	a-- ------
6,025	65,682	Kaiser Industries	4	6¼	6⅝	7½	Sale	6⅝	6⅞	6½ July 22	7¾ July 3	6⅜ Mar 1	8⅜ Apr 16
108	1,473	Kansas Pow & Lt Co (Un)	8¾	48	Sale	--	--	--	--	a-- ------	a-- ------	48 Jan 2	53½ Feb 1
5,147	52,399	Kennecott Copper (Un)	*	--	--	72¼	Sale	72⅝	Sale	71¾ July 1	73½ July 3	67½ Jan 3	79¼ May 1
5,432	30,383	Kern County Land Co	2.50	--	--	--	--	66½	Sale	66¼ July 24	71⅝ July 3	66¼ July 24	78¾ Jan 10
100	1,114	Kirkeby-Natus Corp	1	--	--	--	--	--	--	a-- ------	a-- ------	17¾ Jan 14	19½ May 24
11,201	122,736	Kratter Corp class A com	1	15¾	Sale	8⅞	9⅛	9¼	9⅝	9 July 2	11 July 11	7¾ May 1	17 Jan 18
100	228	Kropp Forge Co	33⅓c	--	--	--	--	--	--	1⅞ July 16	1⅞ July 16	1⅞ July 16	1⅞ July 16
64	530	Laclede Gas Co (Un)	4	--	--	--	--	--	--	a-- ------	a-- ------	30⅜ Mar 19	30⅜ Mar 19
2,100	2,452	Larchfield Corp	1	--	--	--	--	--	--	5½ July 9	5½ July 9	5⅜ Apr 16	5½ July 9
3,883	16,772	Lasco Industries	*	--	--	3⅜	4	3⅛	Sale	3⅛ July 25	3½ July 3	3⅛ Jun 12	3⅝ Jun 13
15,056	52,920	Lear Siegler Inc	1	--	--	--	--	16¾	Sale	15⅝ July 3	17⅛ July 15	15¼ Apr 18	18⅜ Jan 14
1,369	9,853	Lehman Corp (Un)	1	26⅞	Sale	--	--	--	--	29⅛ July 3	30⅛ July 23	26⅞ Jan 2	30⅛ July 23
2,157	19,006	Leslie Salt Co	10	58	Sale	57	Sale	67	Sale	57 July 1	68 July 17	54½ Apr 24	68 July 17
496	1,416	Lewis (Lillie) Foods	1	--	--	7⅝	7⅞	6⅞	7¼	7⅜ July 18	7⅜ July 18	6⅝ Jun 18	7⅝ Jun 27
608	30,620	Libby McNeill & Libby	7	--	--	--	--	--	--	14⅝ July 17	14⅝ July 17	12¼ Jan 16	16⅛ Mar 2
1,689	25,677	Liggett & Myers Tob (Un)	25	--	--	--	--	--	--	73¾ July 22	74¼ July 30	67 Jan 3	82¾ May 3
2,620	26,748	Ling-Temco-Vought (Un)	50c	--	--	--	--	--	--	13⅝ July 19	16⅞ July 30	13⅝ July 19	18⅛ Feb 27
525	4,749	Lithium Corp of America	1	6⅞	Sale	--	--	--	--	6⅞ July 12	6⅞ July 12	6¾ Jun 18	9¼ Apr 18
13,985	138,477	Litton Industries Inc	1	64¼	65¼	73¾	Sale	71¼	Sale	69½ July 29	77 July 11	57⅞ Mar 1	78⅞ Jun 5
8,868	119,469	Lockheed Aircraft Corp	1	52¾	Sale	--	--	50	Sale	48⅜ July 23	57 July 2	48⅜ July 23	58¼ May 13
1,800	1,975	¶New common	1	--	--	--	--	--	--	36⅞ July 22	43⅛ July 3	36⅞ July 22	43⅛ July 3
247	2,873	Loew's Theatres (Un)	1	--	--	18¾	Sale	--	--	18¾ July 1	18¾ July 1	17¼ Apr 22	19⅞ Feb 19
2,488	52,653	Lone Star Cement (Un)	4	18⅜	Sale	--	--	--	--	20⅛ July 19	21⅜ July 11	18⅜ Jan 2	23 May 24
3,925	50,878	Lorillard (P) Co (Un)	5	--	--	46⅜	Sale	--	--	44½ July 24	47⅜ July 10	42⅝ Feb 27	54 Apr 18
49,446	443,549	M J M & M Oil Co (Un)	10c	31c	Sale	30c	Sale	28c	Sale	28c July 31	30c July 1	28c July 31	39c Apr 9
279	5,298	Macy & Co Inc (R H)	1	--	--	--	--	--	--	a-- ------	a-- ------	56¾ Jan 23	67⅛ Jun 4
415	4,039	Madison Sq Garden Corp	1	--	--	--	--	--	--	1½ July 15	1⅝ July 2	1½ July 15	2⅜ Jan 16
9,678	69,093	Magnavox Co (Un)	1	36¼	Sale	42¼	Sale	39⅞	Sale	38⅜ July 23	43⅜ July 9	36¼ Jan 2	45½ May 27
3,259	15,481	Marathon Oil Company	*	--	--	57⅜	Sale	55½	Sale	53⅜ July 22	58¾ July 10	44⅝ Jan 7	58¾ July 10
1,287	12,640	Marquardt Corp	1	12½	Sale	--	--	--	--	11⅜ July 24	12½ July 15	11 Jun 11	15½ Feb 26
20,561	238,214	Martin Marietta Corp	1	21½	Sale	19⅛	Sale	18⅞	Sale	18 July 26	19⅞ July 5	18 July 26	22⅝ Jan 4
2,520	5,960	McCulloch Oil Corp— New common	50c	--	--	9¼	Sale	8⅜	8⅝	8⅝ July 29	9½ July 10	8⅝ Jun 6	9⅞ Jun 3
683	834	McDonnell Air cft (Un)	2.50	--	--	55⅛	Sale	--	--	52¾ July 23	57½ July 11	52¾ July 23	57½ July 11
119	15,451	McKesson & Robbins (Un)	9	--	--	--	--	--	--	a-- ------	a-- ------	40¼ Mar 1	50⅜ May 13
1,102	13,091	Meier & Frank Co Inc	10	16⅛	Sale	17	Sale	17¾	18½	17 July 1	18 July 29	16⅛ Jan 2	19¼ Apr 10
450	22,007	Menasco Manufacturing Co	1	4½	4¾	5⅜	5½	5⅝	5⅞	5⅜ July 8	5¾ July 19	4½ Jan 10	6½ Feb 8
56,758	140,587	Merchants Petroleum Co	25c	1.55	1.65	1.40	Sale	1.90	Sale	1.35 July 2	2.10 July 29	1.30 Jun 11	2.10 July 29
1,337	11,637	Merck & Co (Un)	16⅔	--	--	89½	Sale	95¾	Sale	89½ July 1	95¾ July 31	80¼ Feb 28	95¾ July 31
764	16,730	Merritt-Chapman & Scott (Un)	12½	--	--	--	--	--	--	11⅞ July 17	12 July 2	11⅞ July 17	13¼ Apr 26
1,007	23,300	Metro-Goldwyn-Mayer Inc. (Un)	*	--	--	--	--	--	--	28⅛ July 25	32⅛ July 5	27½ Feb 28	37 Jun 3
1,174	10,390	Middle South Utilities	10	--	--	--	--	--	--	37 July 3	37½ July 15	35⅛ Jan 14	38¾ Apr 2
5,225	44,203	Minnesota Min & Mfg	*	--	--	--	--	--	--	55⅞ July 2	59¾ July 10	53¾ Jan 3	63 Apr 23
26	840	Minn Pwr & Lt Co (Un)	*	--	--	--	--	--	--	a-- ------	a-- ------	42¼ Feb 25	43½ Apr 11
281	3,004	Mission Development (Un)	5	--	--	--	--	--	--	34⅛ July 11	34¼ July 17	31 Apr 17	34¼ July 17
615	16,880	Miss River Fuel Corp	10	38¼	Sale	--	--	--	--	38 July 19	38⅜ July 16	38 July 19	42⅝ Mar 8
8,331	52,117	Monogram Precision Indus	1	1⅝	Sale	1½	Sale	1⅜	1⅝	1⅜ July 2	1⅝ July 11	1⅜ Apr 8	1⅞ Jan 22
4,494	30,514	Monsanto Chemical (Un)	2	--	--	50¼	Sale	--	--	50¼ July 1	51¾ July 24	49½ Jan 3	54¼ Apr 10
354	2,920	Montana-Dakota Util (Un)	5	--	--	--	--	--	--	40 July 15	40 July 15	39½ Jan 4	42⅝ Apr 8
1,669	7,686	Montana Power Co	*	--	--	--	--	--	--	36¾ July 5	37¼ July 3	36¾ July 5	39¾ July 5
14,427	130,965	Montgomery Ward (Un)	*	--	--	37½	Sale	37½	Sale	36⅜ July 23	38 July 3	32⅞ Jan 3	41½ Jun 12
31,084	44,740	Motorola Inc (Un)	3	--	--	--	--	--	--	67½ July 24	73⅛ July 3	61 Apr 18	73½ Jun 14
499	3,776	Mt Diablo Co	1	5¾	6	--	--	--	--	6¾ July 8	7¾ July 22	5¾ Jan 3	7¾ July 22
16,346	49,217	National Airlines Inc	1	--	--	27½	Sale	33⅜	Sale	27½ July 1	34⅛ July 31	23 Jan 18	34⅛ July 31
1,217	9,815	National Biscuit Co	5	--	--	52⅛	Sale	--	--	52⅛ July 1	53¾ July 3	44 Jan 4	53¾ July 3
2,843	13,624	Nat'l Cash Register (Un)	5	--	--	--	--	--	--	66 July 26	70⅛ July 2	66 July 26	81 Jan 3
165	2,515	National City Lines Inc	1	--	--	--	--	--	--	a-- ------	a-- ------	22½ Jan 8	27½ Jun 20
6,961	56,756	Nat'l Distillers & Chemical Corp (Un)	5	24⅜	Sale	--	--	25⅜	Sale	25 July 2	25⅞ July 11	24 Feb 28	26¼ Apr 9
787	21,096	National Gypsum Co (Un)	1	40¾	Sale	47	Sale	--	--	45 July 15	47⅛ July 2	40¾ Jan 2	49⅝ Apr 30
----	315	National Linen Serv com	1	--	--	--	--	--	--	-- ------	-- ------	a-- ------	a-- ------
375	6,540	Natl Steel Corp (Un)	10	--	--	--	--	--	--	a-- ------	a-- ------	35⅝ Mar 1	44⅞ May 22
22,522	422,203	National General (Un)	1	8	Sale	11⅛	Sale	11⅜	Sale	11 July 1	11⅝ July 10	8 Jan 2	12⅜ Feb 25
3,020	29,067	Natomas Company	1	7	Sale	8¼	Sale	--	--	7½ July 26	8¼ July 1	6⅞ Feb 8	9 Apr 15
788	17,617	New Eng Elec Syst (Un)	1	24¾	Sale	--	--	--	--	27 July 24	27 July 24	24¾ Jan 2	28⅜ Apr 29
500	7,125	New Idria Min & Chem	50c	⅜	½	½	⅝	--	--	⅝ July 5	⅝ July 5	½ May 3	¾ Jan 7
1,345	12,554	N Y Central RR Co (Un)	*	--	--	21⅞	Sale	--	--	19⅝ July 23	22¼ July 10	15⅜ Jan 16	23 Jun 24
2,784	21,490	Niagara Mohawk Pow (Un)	*	--	--	49⅞	Sale	53⅝	Sale	49⅞ July 1	53⅝ July 31	46⅞ Jan 7	53⅝ July 31
71,482	183,058	Nordon Corp Ltd	*	3⅛	Sale	2.30	Sale	2.60	Sale	**2.30 July 3**	3.38 July 18	2.06 Apr 16	3½ Jan 4
6,500	38,035	Norris Oil Co	1	1.30	1.35	1.15	1.25	1.20	Sale	1.05 July 15	1.20 July 29	1.05 July 15	1.65 Mar 18

(Un) Admitted to unlisted trading privileges. See page 50 for all other footnotes.

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Aggregate Sales in July Shares	Sales Since Jan. 1 Shares	Pacific Coast Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Ask	PRICES IN JULY July 1 Opening or Bid	Ask	July 31 Closing or Bid	Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	Highest Sale Prices
2,558	15,013	Norris-Thermador Corp	50c	18⅛	Sale	--	--	--	--	20¾ July 24	22¾ July 29	18⅛ Jan 2	22¾ July 29
5,850	60,944	North Amer Aviation (Un)	1	64½	Sale	57⅝	Sale	--	--	54¾ July 19	60¾ July 12	54¾ July 19	64½ Jan 2
1,461	11,511	North Amer Invest com	1	23½	25	26	28	25¾	Sale	25⅝ July 16	28 July 30	25 Jan 3	32 May 28
40	1,402	6% preferred	25	--	--	26½	--	27	--	27 July 26	27 July 26	26⅜ Feb 25	27⅛ May 6
----	1,325	North Amer Royalties	1	--	--	--	--	--	--	-- ------	-- ------	1¾ Jan 23	1⅞ Apr 24
3,247	38,365	Northern Pacific (Un)	5	--	--	--	--	47	Sale	43¾ July 23	47½ July 5	39⅛ Jan 17	48 May 28
4,848	53,708	Northrop Corp Inc	1	23	Sale	22⅜	Sale	21⅜	Sale	21 July 23	23¼ July 5	21 July 23	25⅛ Jan 18
23,963	191,960	Occidental Petroleum	20c	20¾	Sale	29	Sale	28¼	Sale	26⅞ July 22	29⅞ July 5	19⅝ Mar 1	30¼ Jun 17
1,020	7,866	Ohio Edison (Un)	15	--	--	--	--	--	--	46¼ July 26	47⅛ July 18	46¼ July 26	50¾ Feb 13
5,116	42,506	Olin Mathieson Chemical	5	--	--	41¼	Sale	--	--	38½ July 22	42½ July 9	32¼ Jan 3	44⅛ Jun 24
1,895	16,531	Outboard Marine Co	30c	--	--	--	--	--	--	11½ July 11	12⅛ July 30	11½ May 15	15¼ Jan 11
3,617	11,515	Owens-Illinois Glass	6.25	--	--	--	--	--	--	81⅛ July 23	84¾ July 10	72¾ Jan 24	84¾ July 10
100	540	Pacific American Corp	5	17¾	18¼	16½	17	16¼	16⅞	16 July 16	16 July 16	16 July 16	17¾ Apr 1
4,238	26,549	Pac Cement & Aggregates	5	12½	13	14⅞	Sale	14⅝	Sale	14¼ July 26	15 July 17	13 Mar 14	15¾ Jun 3
1,918	20,472	Pacific Clay Products	8	25	26	34¾	Sale	34¾	Sale	33½ July 23	37 July 9	25 Jan 3	37 July 9
		Pacific Gas & Electric—											
43,495	345,751	Common	10	32¼	Sale	31⅝	Sale	31⅜	Sale	31 July 24	32 July 1	31 July 24	34½ Jan 28
4,593	39,028	6% 1st preferred	25	32⅞	33¼	33¾	Sale	33¼	Sale	33⅛ July 31	34 July 3	32⅝ Feb 8	34⅞ Jan 21
815	11,542	5½% 1st preferred	25	29	29⅜	30	30½	30	30¼	30⅜ July 30	30⅜ July 30	29¼ Jan 10	31 May 28
268	1,317	5% 1st preferred	25	27	Sale	27¾	28¾	27½	28⅜	a-- ------	a-- ------	27 Jan 2	28⅛ Mar 5
795	11,023	5% red 1st preferred	25	26¾	27¼	26¾	27⅛	26⅞	27¼	26⅞ July 23	27⅛ July 22	26⅝ Feb 18	27⅜ Feb 4
705	5,507	5% red pfd ser A	25	26¾	27¼	27¼	27½	27⅛	27½	27¼ July 2	27¼ July 2	26¾ Feb 18	27¼ Jan 17
200	1,128	4.80% red 1st pfd	25	26½	27⅛	26⅜	27	26⅜	27⅛	26⅝ July 24	26⅝ July 24	26¼ Feb 11	26⅝ July 24
173	2,172	4.50% redeemable pfd	25	24¾	25⅛	25	25¼	24¾	25⅛	a-- ------	a-- ------	24⅞ Feb 21	25½ Apr 1
315	2,144	4.36% red 1st pfd	25	23½	24½	24	24¾	24⅛	24⅞	24⅝ July 5	24⅝ July 5	24⅜ Feb 20	24⅞ Apr 4
7,988	16,496	Pacific Industries Inc	2	4⅛	Sale	3⅝	3⅞	4⅛	4⅜	3¾ July 2	4¾ July 16	3½ May 22	4⅞ Feb 7
		Pacific Intermountain											
3,949	41,032	Express Co	2	--	--	19	Sale	17⅜	Sale	17⅜ July 31	19¼ July 2	16½ Mar 25	20 Apr 24
11,560	146,361	Pacific Lighting Corp com	*	60	Sale	--	--	58½	Sale	57⅜ July 2	59 July 10	53⅞ May 1	63⅛ Jan 18
50	98	$4.75 preferred	*	101½	102¾	101½	103¼	101½	103¼	102¾ July 9	102¾ July 9	102 May 2	104½ Jan 28
----	66	$4.75 convertible pfd	*	155½	--	145½	--	148¾	--	-- ------	-- ------	142 May 8	144 Mar 27
62	717	$4.50 preferred	*	99	100½	99	100½	99½	101	99¼ July 9	99¼ July 9	99¼ Jan 10	100¾ Mar 14
----	100	$4.40 dividend pfd	*	--	--	97½	99	97	98¾	-- ------	-- ------	100¾ Mar 6	100¾ Mar 6
100	274	$4.36 preferred	*	94¾	96½	96	97¾	96	97½	96½ July 24	96½ July 24	95 Jan 14	97½ Apr 18
----	3,350	Pacific Northern Airlines	1	2⅞	3⅛	3¼	3½	3¼	3½	-- ------	-- ------	3⅛ Apr 16	3¾ Jun 12
		Pacific Northwest Bell											
9,967	42,794	Telephone Co	11	23¼	23¾	23⅞	Sale	23¾	Sale	23½ July 8	23⅞ July 1	22¾ Jun 19	26½ Feb 19
16,869	371,718	Rights wi		--	--	⅛	Sale	--	--	⅛ July 1	1.00 July 3	⅛ Jun 17	1⅛ May 31
5,950	91,966	Pac Oil & Gas Devel	33⅓c	4⅛	Sale	3	Sale	2.60	2.70	2.70 July 24	3.00 July 1	2.25 Apr 29	6 Mar 11
4,496	47,264	Pacific Petroleums Ltd	1	10⅞	11¼	11½	12	11⅛	11⅜	11 July 19	12⅛ July 2	10⅝ Mar 1	14½ May 13
30	1,070	Warrants		5¾	6⅛	6½	7	5¾	6¼	a-- ------	a-- ------	6¼ Jan 10	8¼ May 14
		Pacific Tel & Tel—											
12,751	76,807	Common	14 2/7	31¾	Sale	31⅝	Sale	31¾	Sale	30⅞ July 19	32 July 3	30⅞ July 19	35 Apr 25
23	302	6% preferred	100	--	--	--	--	--	--	144½ July 11	144½ July 11	144½ July 11	155½ Apr 24
2,276	49,140	Packard-Bell Electronics	50c	9½	Sale	--	--	--	--	12¾ July 3	13⅞ July 10	9½ Jan 2	15 Jun 12
9,921	110,188	Pan Amer World Air (Un)	1	--	--	34⅞	Sale	39⅛	Sale	34⅞ July 1	39¾ July 10	21⅝ Jan 7	41¼ Jun 4
		Panhandle Eastern Pipe											
435	771	Line Co	*	--	--	--	--	--	--	69⅜ July 23	73¼ July 11	69⅜ July 23	77⅞ Jun 11
601	20,103	Paramount Pictures (Un)	1	--	--	--	--	43⅛	Sale	39¼ July 19	43⅛ July 31	36 Jan 18	47 May 23
11,419	82,980	Parke Davis & Co	*	--	--	25½	Sale	--	--	25½ July 1	27⅛ July 18	24⅝ Mar 6	29¾ May 1
2,282	4,202	¶Pendleton Tool Indus	1	--	--	--	--	--	--	16½ July 2	18⅛ July 26	16¼ Jun 28	19¼ May 1
6,644	40,121	Penney (J C) Co (Un)	1	46¼	Sale	--	--	40⅛	Sale	40⅛ July 31	42⅝ July 5	40⅛ July 31	49⅞ Apr 25
12,551	63,002	Pennsylvania RR Co (Un)	10	--	--	18¾	Sale	--	--	17¼ July 23	20⅛ July 10	13¾ Feb 4	20⅛ July 10
645	10,629	Pepsi Cola Co (Un)	33⅓c	--	--	--	--	--	--	51 July 3	55¾ July 9	46¼ Jan 2	55¾ July 9
3,431	29,494	Permanente Cement Co com	1	--	--	16½	Sale	--	--	16⅛ July 22	16⅝ July 2	13⅝ Mar 25	16⅝ July 2
120	2,709	5% conv preferred	50	--	--	--	--	--	--	a-- ------	a-- ------	51⅜ Mar 15	54¾ Jan 14
2,612	7,331	Petrolane Gas Service	1	--	--	--	--	24⅞	Sale	23⅞ July 9	25½ July 18	23⅞ July 9	28¾ May 2
4,081	24,338	Pfizer (Chas) & Co (Un)	33⅓	--	--	--	--	48¾	Sale	48 July 24	52¼ July 5	48 July 24	54⅜ Apr 24
5,904	35,529	Phelps Dodge (Un)	12½	--	--	60⅞	Sale	62½	Sale	60⅞ July 1	62½ July 31	53⅛ Mar 7	62½ July 31
2,763	23,118	Philip Morris & Co (Un)	5	--	--	--	--	--	--	74 July 17	79¾ July 10	73 Mar 5	90 Apr 23
5,486	51,691	Phillips Petroleum	5	--	--	--	--	51½	Sale	50 July 22	52⅞ July 8	47⅝ Jan 15	55½ Jun 7
7,005	24,077	Polaroid Corp	1	--	--	156½	Sale	169½	Sale	156½ July 1	174⅝ July 31	120⅝ May 6	174⅝ July 31
1,539	24,924	Procter & Gamble (Un)	*	--	--	--	--	--	--	72⅝ July 26	77⅝ July 5	70½ Mar 11	79⅛ Apr 16
		Puget Sound Pulp and											
1,064	15,228	Timber Co	3	--	--	--	--	--	--	29⅞ July 2	30 July 2	20¼ Jan 17	30⅛ Jun 13
2,344	21,711	Pullman Inc (Un)	*	--	--	--	--	--	--	27 July 24	29⅜ July 3	23¾ Jan 3	31¼ May 15
5,155	58,766	Pure Oil Co (Un)	5	--	--	44	Sale	--	--	43⅝ July 26	45⅛ July 3	36½ Jan 11	45⅛ July 3
11,283	129,160	Radio Corp of Amer (Un)	*	21½	Sale	66½	Sale	69⅜	Sale	66½ July 1	70½ July 5	56⅝ Jan 3	74⅛ Jun 13
2,105	43,078	Rayonier Inc	1	28¼	Sale	--	--	--	--	27⅜ July 26	28½ July 3	21½ Jan 2	30⅝ Jun 5
5,357	38,575	Raytheon Co (Un)	5	3¼	3⅝	22⅞	Sale	21⅝	Sale	21 July 22	23¾ July 3	21 July 22	30½ Jan 8
1,743	14,047	Reeves Indus Inc com	5c	--	--	3¼	3½	3⅞	4⅛	3¼ July 8	4¼ July 29	2⅞ Jun 10	4¼ July 29
2,262	14,677	Republic Aviation Corp	50c	--	--	--	--	--	--	16 July 2	17⅝ July 8	15¾ Jun 26	18⅜ Feb 27
2,411	32,623	Republic Corp (Un)	50c	34¾	Sale	--	--	--	--	9⅝ July 2	10⅛ July 9	7½ Jan 7	10¼ Jun 17
7,315	81,034	Repub Steel Corp (Un)	10	8⅛	Sale	36¾	Sale	36¾	Sale	36 July 9	37⅛ July 29	34¾ Jan 2	41¼ Apr 16
21,996	330,391	Reserve Oil & Gas Co	1	--	--	9	Sale	8⅛	Sale	8 July 25	9⅛ July 1	7⅞ May 2	11⅜ Jan 25
2,488	36,665	Revlon Inc	1	33	Sale	--	--	--	--	40½ July 25	43¾ July 10	40½ July 25	48¼ Jan 23
6,547	31,542	Rexall Drug & Chem	2.50	23¾	Sale	--	--	38½	Sale	34 July 3	38½ July 31	29¼ Mar 8	38½ July 31
16,025	137,246	Reynolds Metals (Un)	*	--	--	32⅞	Sale	31⅞	Sale	29⅝ July 22	35⅝ July 8	23¾ Jan 2	37⅛ Jun 12
16,809	158,134	Reynolds Tobacco (Un)	5	--	--	39⅛	Sale	37¾	Sale	36¾ July 17	40 July 3	36¾ July 17	47 May 15
5,390	47,186	Rheem Manufacturing Co	1	18⅝	Sale	--	--	--	--	14⅝ July 11	15½ July 19	10⅞ Jan 3	15¾ Jun 25
7,396	46,233	Rhodes Western	25c	2.85	Sale	21	Sale	21¼	21⅝	21 July 1	21½ July 29	17½ Jan 4	22¼ May 22
14,365	41,882	Rice Ranch Oil Co	1	39⅜	Sale	2.45	Sale	2.10	2.30	2.05 July 11	2.45 July 1	2.05 July 11	2.85 Jan 2
5,437	50,428	Richfield Oil Corp	*	--	--	--	--	42⅝	Sale	42¼ July 2	43½ July 25	39¼ Jan 3	47⅜ Apr 15
807	6,317	Rockwell Stand Corp (Un)	5	--	--	--	--	42⅜	Sale	40¾ July 23	42⅜ July 31	34⅞ Jan 3	42¾ Jun 20
1,856	33,325	Rohr Aircraft Corp	1	43½	Sale	16½	Sale	--	--	16¼ July 18	16⅝ July 5	16¼ July 18	17⅞ Jan 14
14,569	157,919	Royal Dutch Pet (Un)	20g	16⅝	17⅜	47½	Sale	48	Sale	44⅞ July 19	48⅞ July 5	43½ Jan 2	49¾ May 1
100,495	326,241	Royal Properties Inc	50c	--	--	1.25	Sale	98c	Sale	92c July 30	1.40 July 1	75c Jun 21	1.45 Jan 10
3,948	58,411	Ryan Aeronautical Co	*	9¼	Sale	17	17⅜	17	Sale	16⅞ July 22	17¼ July 12	16⅝ Mar 21	19½ Jan 14
1,075	21,316	Ryder System, Inc	2.50	--	--	--	--	--	--	12¾ July 30	13⅝ July 18	9¼ Jan 2	13⅝ Jun 12
6,341	50,067	Safeway Stores Inc	1.66⅔	--	--	--	--	58½	Sale	57 July 19	60¼ July 9	45½ Jan 30	60¼ July 9
353	3,003	St Joseph Lead (Un)	10	--	--	--	--	--	--	a-- ------	a-- ------	25½ Jan 17	30⅜ May 28
2,110	15,767	St Louis-San Fran Ry (Un)	*	26⅞	Sale	--	--	25	Sale	23¼ July 24	26½ July 3	19⅞ Jan 4	26½ July 3
1,781	32,323	St Regis Paper Co (Un)	5	--	--	--	--	29⅝	Sale	29⅛ July 22	30⅝ July 3	26⅞ Jan 2	34⅜ Apr 24
22,348	70,927	San Diego Gas & Electric	10	--	--	--	--	--	--	37 July 12	37½ July 9	35½ Jan 4	39½ Mar 28
302	2,340	5% preferred	20	--	--	--	--	21¼	Sale	21¼ July 31	21¼ July 31	21¼ July 31	22⅝ Jan 13
----	60	4½% preferred	20	10	Sale	--	--	--	--	-- ------	-- ------	a-- ------	a-- ------
10,201	141,760	San Diego Imperial Corp	1	--	--	11⅜	Sale	12	Sale	11⅜ July 1	12⅞ July 10	10 Jan 2	13¾ Apr 15
5,986	55,385	Schenley Indus (Un)	1.40	--	--	21¼	Sale	20⅞	Sale	20⅝ July 23	22⅞ July 11	18¾ Jan 3	23⅛ May 21
1,901	15,944	Schering Corp (Un)	1	--	--	--	--	33⅝	Sale	35¾ July 23	37¾ July 8	35¾ July 23	43¾ Jan 7
1,583	34,327	SCM Corporation	5	--	--	11¾	Sale	--	--	11 July 25	11¾ July 1	11 July 25	16½ Jan 24
3,966	26,253	Scott Paper	*	17⅛	Sale	--	--	20	Sale	33¼ July 3	33¾ July 17	31¼ Mar 15	36¼ May 3
7,317	88,212	Seaboard Finance Co	1	75¾	Sale	20⅞	Sale	--	--	20 July 19	21¼ July 5	17⅛ Jan 2	22⅛ Jun 18
9,249	67,478	Sears Roebuck & Co	3	--	--	88½	Sale	--	--	85⅞ July 18	90⅛ July 5	74⅛ Jan 17	90½ Jun 14
779	15,952	Servel Inc (Un)	1	3¾	4¼	--	--	7⅜	Sale	7⅞ July 31	7¾ July 11	7¼ Jun 4	11¼ Jan 22
357	2,506	Servomechanisms Inc	20c	--	--	4	4¼	--	--	4 July 11	4⅛ July 12	3⅝ Apr 17	5⅛ May 3
28	1,741	Sharon Steel Corp (Un)	*	--	--	--	--	--	--	a-- ------	a-- ------	21¾ May 2	22½ Jan 11
13,131	57,249	Shell Oil Co	1	--	--	--	--	--	--	43½ July 26	44⅞ July 10	34⅝ Jan 16	44⅞ Jun 28
		Shell Transport & Trading											
224	4,372	Co Ltd (Un)	£1	--	--	--	--	--	--	23½ July 22	23½ July 22	23 Jan 3	24⅝ May 10
25,481	238,563	Signal Oil & Gas cl A	2	26½	Sale	26¾	Sale	27⅝	Sale	26⅛ July 16	28¾ July 26	25 Apr 10	31⅞ May 22
90	470	Class B	2	--	--	--	--	--	--	a-- ------	a-- ------	27⅞ Jun 28	31 May 21
7,196	82,139	Sinclair Oil Corp	5	35⅝	Sale	--	--	46⅜	Sale	43 July 22	46⅜ July 31	35⅜ Jan 2	46⅝ Apr 30
11,569	83,530	Socony Mobil Oil (Un)	15	58½	Sale	--	--	69¼	Sale	68¼ July 22	70⅛ July 9	58¼ Jan 21	70⅛ July 9
8	905	Southeastn Pub Ser Co	10c	--	--	--	--	--	--	a-- ------	a-- ------	23½ Feb 6	24⅞ Mar 4
		So Calif Edison—											
27,000	248,745	Common	8⅓	31	Sale	30¾	Sale	31¾	Sale	30 July 22	31¾ July 31	30 July 22	33 Jan 28
----	2,302	Original preferred	8⅓	--	--	--	--	--	--	-- ------	-- ------	29⅜ Jan 3	31⅜ Jan 8
----	3,089	4.78% preferred	25	26⅛	26¾	26⅛	26¾	26	26¾	-- ------	-- ------	26¼ Feb 20	26⅝ Feb 11
55	85	4.56% series	25	--	--	88	--	--	--	a-- ------	a-- ------	a-- ------	a-- ------
1,723	5,070	4.48% conv pfd	25	81½	Sale	--	--	--	--	81¾ July 15	82⅞ July 5	81½ Jan 2	85 Jan 8
2,867	16,948	4.32% preferred	25	23¾	24¼	24⅛	24¾	23½	24	23½ July 10	24 July 3	22¼ May 22	24⅝ May 16
91	1,477	4.24% preferred	25	23⅛	23¾	24	24½	24	24¾	a-- ------	a-- ------	23¾ Feb 18	24⅛ Apr 17
----	175	4.08% preferred	25	22¼	23¼	22⅝	23¾	22¼	23¼	-- ------	-- ------	23¼ Apr 1	23¼ Apr 1

(Un) Admitted to unlisted trading privileges. See page 50 for all other footnotes.

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Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Pacific Coast Stock Exchange STOCKS	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
		Southern Calif Gas Co—											
6,183	30,539	6% series A preferred	25	32	Sale	32	Sale	32¼	Sale	32 July 1	32⅝ July 18	31¾ Jan 7	34 Jan 24
1,581	4,486	6% preferred	25	31⅞	32¼	32¼	32¾	--	--	32 July 17	32¼ July 26	32 July 17	34¼ Jan 24
4,155	27,935	Southern Calif Petroleum	2	18¼	Sale	16¼	16¾	19⅛	Sale	16½ July 16	19¼ July 31	16 Apr 11	19¼ July 31
2,542	20,630	Southern Co (Un)	5	--	--	53	Sale	55¾	Sale	53 July 1	55¾ July 31	53 July 1	56⅛ Jan 14
394	3,935	Southern Natural Gas	7.50	--	--	--	--	--	--	49¼ July 19	49¼ July 19	43⅞ Jan 4	52 Apr 19
25,787	215,275	Southern Pacific Co	*	29½	Sale	36	Sale	34½	Sale	33¾ July 24	36¾ July 10	28½ Feb 5	37⅜ Jun 25
1,004	28,287	Southern Ry Co (Un)	*	--	--	--	--	--	--	66⅛ July 2	67½ July 10	55½ Mar 13	67½ July 10
365	5,044	Southwestern Public Serv	1	--	--	--	--	--	--	35¾ July 19	35¾ July 19	34⅝ Mar 13	36⅛ Jan 28
60,872	312,780	Sperry-Rand Corp (Un)	50c	13⅜	Sale	14⅜	Sale	15	Sale	13¾ July 24	15⅝ July 5	12⅞ Mar 29	16½ Jun 12
1,220	24,040	Warrants (Un)		--	--	7½	Sale	7⅞	Sale	7⅜ July 18	8 July 5	6¾ Mar 26	8⅝ Jan 17
3,902	31,664	Spiegel Inc	*	25⅜	Sale	--	--	--	--	26¼ July 22	29½ July 9	25⅜ Jan 2	32¼ May 16
1,042	4,627	Standard Brands (Un)	*	--	--	--	--	--	--	73 July 25	73 July 25	66 Jan 4	74½ Jun 28
74	2,411	SFC Financial	1	--	--	--	--	--	--	a--	a--	14 Jan 17	16 Jun 7
465	13,520	Standard Metals Corp	3c	4	4¼	3⅝	4⅛	--	--	3⅝ July 3	3¾ July 30	3⅝ July 3	4¾ Jan 28
25,125	270,783	Standard Oil of Calif	6¼	62⅜	Sale	64½	Sale	66⅝	Sale	64⅛ July 1	66¾ July 31	61½ Feb 28	69¼ Apr 24
100	738	$3.30 conv pfd	*	--	--	--	--	--	--	a--	a--	a--	a--
23,624	80,766	Standard Oil Co (Ind)	25	47	Sale	--	--	61¾	Sale	57½ July 22	61¾ July 31	47 Jan 2	61¾ July 31
23,666	195,268	Stand Oil Co (N J) (Un)	7	58½	Sale	68⅜	Sale	70	Sale	67¾ July 2	70½ July 31	58½ Jan 2	70½ July 31
998	8,420	Stand Oil Co (Ohio) (Un)	10	--	--	--	--	--	--	61⅞ July 3	63½ July 18	54¼ Jan 18	65¾ Apr 18
1,748	38,580	Stanley Warner Corp (Un)	5	21½	Sale	--	--	21¼	Sale	21½ July 18	22 July 15	20½ Mar 29	24⅝ May 24
356	2,109	Statham Instruments Inc	1	--	--	10½	10⅞	--	--	12¾ July 8	12¾ July 8	8⅞ Apr 9	12¾ July 8
9,326	52,329	Stauffer Chemical	5	--	--	32⅝	Sale	32	Sale	31⅞ July 25	33¼ July 5	31⅛ Jun 18	38½ Jan 15
		Sterling Drug Inc—											
3,475	5,210	¶New common (Un)	2.50	--	--	--	--	--	--	24⅞ July 23	26¾ July 3	24⅞ July 23	28⅜ May 16
1,947	10,234	Stone & Webster Inc (Un)	1	--	--	55¼	Sale	--	--	55 July 1	56⅜ July 11	51¾ May 21	58⅛ Jun 13
31,284	213,249	Studebaker Corp (Un)	1	6¼	Sale	6⅝	Sale	6⅝	Sale	6 July 22	6⅞ July 5	5⅞ May 17	8 Feb 14
12,080	32,232	Suburban Gas (Cal)	1	18¼	Sale	18	Sale	18	Sale	17⅝ July 25	18⅝ July 3	17⅝ Mar 6	21½ Apr 18
262	7,302	Suburban Propane Gas	1	25⅛	Sale	--	--	--	--	29¼ July 17	29¼ July 17	25⅛ Jan 2	31⅛ May 10
49,362	275,615	Sunray D X Oil Co	1	25½	Sale	32¾	Sale	34¾	Sale	32⅝ July 3	36⅛ July 17	25½ Jan 2	36⅛ July 17
27,975	118,772	Sunset Interna'l Petroleum	1	6½	Sale	6⅛	Sale	6¼	Sale	6⅛ July 1	6⅝ July 11	6 Apr 5	7⅛ Jan 18
54	507	Superior Oil Co (Nev)	25	--	--	--	--	--	--	1310 July 22	1400 July 10	1,310 July 22	1,450 Jun 4
1,189	11,115	Swift & Co (Un)	25	40½	Sale	--	--	--	--	39¼ July 2	40 July 8	39¼ July 2	44⅜ Apr 10
591	3,931	TelAutograph Corp	1	5⅞	Sale	--	--	--	--	5 July 16	5⅝ July 11	5 July 16	7½ Jan 25
22,889	315,564	Tenn Gas Transmission	5	18	Sale	20¼	Sale	20⅛	Sale	19½ July 29	20⅜ July 22	17⅞ Jan 2	21⅜ Apr 29
8,666	137,932	Terex Corporation com	10c	1.85	Sale	1.80	Sale	1.90	Sale	1.55 July 8	1.95 July 22	1.55 Jun 13	2.80 Jan 2
14,000	90,073	Texaco Inc (Un)	12½	60¾	Sale	--	--	73	Sale	69½ July 22	73⅝ July 5	59⅝ Feb 11	73⅝ July 5
6,725	59,616	Texas Eastern Trans	3.50	16½	Sale	18¼	Sale	18⅜	Sale	18⅛ July 5	18¾ July 11	16½ Jan 2	19 Jun 13
696	5,641	Texas Gas Transmission	5	--	--	46½	Sale	--	--	44⅛ July 11	46½ July 1	42½ Jan 4	47¼ Jun 4
6,958	66,806	Texas Gulf Sulphur (Un)	*	--	--	14¼	Sale	--	--	14¼ July 1	15 July 12	13¾ Mar 26	16⅝ Apr 24
1,992	6,090	Texas Instruments (Un)	1	--	--	--	--	76⅝	Sale	74 July 25	78⅛ July 8	74 July 25	87¾ Jun 4
4,510	40,281	Textron Inc common	50c	29⅞	Sale	--	--	35⅞	Sale	34 July 23	36¾ July 3	29⅝ Mar 20	38½ Jun 7
910	10,535	Warrants		13¼	14	14¼	15	--	--	13⅜ July 19	14⅝ July 11	12 Feb 27	16⅛ Jun 7
50	525	$1.25 conv preferred	*	--	--	--	--	--	--	a--	a--	33¾ Jan 11	33¾ Jan 11
4,356	37,686	Thiokol Chemical (Un)	1	27¾	Sale	--	--	--	--	20 July 23	24 July 3	20 July 23	29¼ Jan 4
481	10,129	Thompson Ramo Wooldridge	5	--	--	--	--	53¼	Sale	52⅝ July 26	53¼ July 31	52⅝ July 26	58¼ Jan 21
4,908	16,910	Thriftimart Inc	1	22	22½	22¼	Sale	--	--	22 July 22	22½ July 2	21½ Mar 5	24¾ Jan 14
5,272	57,524	Tidewater Oil Co com	10	22	Sale	25⅞	Sale	27	Sale	25¾ July 22	27⅞ July 12	19¾ Mar 4	27⅞ July 12
806	7,330	$1.20 preferred	25	--	--	--	--	--	--	25¼ July 11	25⅜ July 16	25 Jan 8	25⅜ Mar 26
----	551	Tishman Realty & Const'n	1	--	--	--	--	--	--	--	--	17⅝ Jun 13	18 Jan 30
2,115	18,927	Trans World Airlines Inc	5	--	--	17	Sale	18⅜	Sale	16½ July 2	18⅞ July 11	10½ Jan 30	19⅝ Jun 4
450	4,219	Warrants		--	--	--	--	--	--	7⅝ July 19	8⅛ July 30	4⅛ Feb 1	8½ May 24
4,444	36,550	Trans World Financial	1	--	--	16¾	Sale	16½	Sale	16¼ July 30	17⅞ July 9	16¼ July 30	22½ Apr 15
9,513	80,683	Transamerica Corp com	2	45	Sale	49⅝	Sale	52¼	Sale	49⅝ July 1	52¼ July 31	44½ Jan 3	53⅞ May 1
1,074	3,586	4½% conv preferred	100	--	--	--	--	--	--	155 July 29	155 July 29	150 Apr 26	155 July 29
10,360	64,946	Trico Oil & Gas	50c	2.40	Sale	2.50	Sale	--	--	2.35 July 229	2.50 July 1	2.30 May 3	3.00 May 16
2,118	14,220	Tri-Continental Corp (Un)	1	43	Sale	--	--	--	--	44⅛ July 22	46¼ July 3	42¾ Mar 1	47½ Apr 5
898	5,645	Warrants (Un)		--	--	--	--	--	--	35 July 22	37⅝ July 3	32⅞ Mar 5	40 Jun 4
2,060	30,178	Twentieth Century-Fox Film Corp (Un)	1	--	--	29¼	Sale	--	--	28¼ July 22	30 July 10	21½ Jan 4	36⅞ Jun 3
1,170	9,007	Unilever NV "N Y shares"	*	38	Sale	--	--	--	--	42⅜ July 19	46¼ July 29	38 Jan 2	49⅝ Jun 4
1,095	10,272	Unilever Ltd "Adrs"	*	--	--	--	--	--	--	22⅛ July 18	23½ July 18	21⅞ Jan 21	25⅛ May 10
3,541	28,800	Union Carbide Corp	*	--	--	102¾	Sale	105¾	Sale	102⅛ July 22	105⅞ July 31	102⅛ July 22	112¼ May 16
1,995	5,987	¶Union Elec of Mo (Un)	5	--	--	--	--	27¼	Sale	27 July 24	27⅜ July 2	27 Jun 18	28½ May 13
7,029	76,233	Union Oil Co of Calif	25	63⅛	Sale	73	Sale	--	--	71¼ July 19	75¼ July 11	60 Jan 24	75¼ July 11
6,734	59,027	Union Pac Ry Co (Un)	10	33½	Sale	41	Sale	39¼	Sale	38 July 24	41¼ July 5	33½ Jan 2	41⅞ May 31
3,748	42,281	Union Sugar Co	5	23	Sale	26¾	27¼	--	--	26 July 9	27¾ July 29	23 Jan 2	33½ May 3
11,139	69,770	United Air Lines Inc	10	--	--	--	--	38⅞	Sale	37⅜ July 26	39⅛ July 29	32⅛ Jan 4	43¼ Jun 21
4,112	28,436	United Aircraft Corp (Un)	5	--	--	--	--	44⅛	Sale	43¾ July 31	47½ July 11	43¾ July 31	53⅜ Jan 15
----	5,736	United Canso Oil & Gas	1	1	1¼	11¼	11½	--	--	--	--	1⅛ May 13	1⅞ Jun 7
288	2,991	United Corp (Del) (Un)	1	--	--	--	--	--	--	8⅛ July 19	8⅜ July 30	8 May 8	8⅝ Feb 15
2,341	53,610	United Financial Corp of California	*	--	--	23¼	Sale	--	--	23¼ July 1	25½ July 19	20⅝ Mar 19	27¾ Apr 15
3,399	26,680	United Fruit Co (Un)	*	--	--	--	--	25⅜	Sale	24½ July 24	27 July 5	22¾ Jan 4	36 May 22
2,074	31,799	United Gas Corp (Un)	10	36½	Sale	--	--	--	--	38⅜ July 11	39¼ July 8	35⅝ Mar 18	39⅝ May 3
20,246	223,120	United Industrial Corp com	1	5⅜	Sale	6⅜	Sale	5⅞	Sale	5⅝ July 19	6½ July 2	5 Mar 19	7¼ May 31
6,009	58,387	Series A conv pfd	8.50	5⅞	6	6¾	Sale	6⅞	Sale	6¾ July 1	7 July 10	5¾ Jan 11	7¼ Feb 20
10,331	79,289	Warrants		.85	Sale	77c	Sale	73c	Sale	72c July 19	79c July 8	72c July 19	98c Feb 20
330	3,492	United Park City Mines Co (Un)	1	--	--	--	--	--	--	1¼ July 3	1¼ July 3	1⅛ Jun 28	1⅜ Mar 22
765	11,446	U S Industries Inc	1	--	--	--	--	--	--	9¾ July 17	10⅛ July 3	9¾ July 17	15¾ Jan 29
211	3,859	U. S. Natural Gas Corp	1	--	--	--	--	--	--	9½ July 24	10¼ July 25	6½ Jan 29	10¼ July 25
3,879	35,734	U S Plywood Corp	1	--	--	--	--	--	--	57 July 19	58⅜ July 5	44¼ Jan 8	59¾ Jun 5
4,705	20,801	U S Rubber Co (Un)	5	40½	Sale	44¾	Sale	45⅜	Sale	44¼ July 23	45¾ July 11	40½ Jan 2	49¼ May 17
5,805	78,257	U S Smelting & Refining & Mining Co (Un)	50	51	Sale	--	--	--	--	77¼ July 3	90⅝ July 30	50½ Jan 2	90⅝ July 30
28,188	319,222	U S Steel Corp	16⅔	43⅞	Sale	47¼	Sale	46¾	Sale	45⅜ July 22	48⅛ July 2	43⅞ Jan 2	54 Apr 16
5,017	69,197	Universal Match	2.50	--	--	17⅞	Sale	--	--	15⅞ July 30	18⅛ July 2	13⅜ Apr 4	20⅜ Jun 13
4,144	22,102	Universal Oil Prods (Un)	1	--	--	35¼	Sale	--	--	34⅞ July 1	38 July 5	28⅞ Mar 2	42⅜ Jan 8
1,337	7,434	Upjohn Company (Un)	1	--	--	--	--	--	--	39⅝ July 25	41⅛ July 10	34¾ Jan 22	41⅛ Apr 15
973	26,221	Utah-Idaho Sugar Co (Un)	5	9⅛	9⅝	14⅜	14½	--	--	13½ July 18	14⅞ July 5	10⅛ Jan 22	19⅞ May 21
150	3,089	Vanadium Corp of Am (Un)	1	--	--	--	--	--	--	12¾ July 30	12¾ July 30	12¾ July 30	14¾ Jun 10
16,915	82,119	Varian Associates	1	33	Sale	22¼	Sale	18	Sale	17⅝ July 23	23⅜ July 3	17⅝ July 23	37 Jan 14
2,932	18,757	Victor Comptometer Corp	1	--	--	9⅜	Sale	--	--	8½ July 22	9½ July 2	8½ July 22	11½ Feb 11
1,310	11,040	Victor Equipment Co	1	25⅝	26⅛	25½	26½	--	--	23¾ July 19	25¼ July 5	23¾ July 19	29½ Feb 27
37	910	Virginia-Carolina Chemical	*	--	--	--	--	--	--	a--	a--	41½ Jan 4	46 Mar 15
7	267	5% prior preferred	50	--	--	--	--	--	--	a--	a--	42¾ Jan 16	42¾ Jan 16
2,395	46,301	Vons Grocery Co	1	--	--	--	--	24	Sale	24 July 18	25⅝ July 5	21½ Jan 16	28 May 14
2,088	11,487	Warner Bros Pict (Un)	1.25	14¼	Sale	--	--	--	--	13¾ July 30	14¾ July 3	13 Mar 20	15⅞ Jun 14
1,013	9,709	Washington Water Power	*	47½	48	49⅛	49⅝	--	--	47¾ July 18	49½ July 2	47¾ July 18	50½ Jan 41
2,506	29,151	Wesco Financial Corp	1	--	--	--	--	--	--	42½ July 17	44¾ July 9	39¼ Feb 28	52¼ Apr 15
149,295	778,909	Westates Petrol common	1	4½	Sale	4⅝	Sale	5¼	Sale	4⅜ July 2	5⅝ July 30	3 May 17	5⅝ Jan 25
2,379	11,112	5% preferred	10	6⅝	7	6⅜	6¾	7	Sale	6¾ July 2	7 July 31	5¾ Mar 14	7 Jan 14
10,203	66,733	Western Air Lines	1	--	--	--	--	53	Sale	46⅞ July 23	53½ July 31	28¼ Jan 17	54½ Jun 4
13,506	121,150	Western Bancorporation	2	32¼	Sale	38¼	Sale	39⅝	Sale	38¼ July 1	40 July 3	31⅝ Jan 17	40 Apr 15
415	5,983	Western Pacific RR Co	1	--	--	--	--	--	--	36 July 15	37¼ July 11	31 Jan 10	38½ May 22
8,921	43,037	Western Union Tel (Un)	2½	--	--	25¾	Sale	27⅛	Sale	25¾ July 1	29 July 11	25¾ July 1	32⅝ Apr 10
2,185	20,779	Westinghouse Air Brake Company (Un)	10	--	--	31	Sale	30⅛	Sale	29 July 25	31¼ July 3	26¼ Jan 7	32 May 16
9,188	135,424	Westinghouse Electric	6.25	32⅛	Sale	35⅛	Sale	34¾	Sale	33½ July 23	36¼ July 11	32 Jan 2	38¾ Jun 5
422	6,007	Wheeling Steel Corp (Un)	10	--	--	--	--	--	--	29⅝ July 3	29⅝ July 3	29¼ Jan 16	34¾ Apr 15
44,945	402,905	Williston Basin Oil Exploration (Un)	10c	.90	Sale	83c	Sale	73c	Sale	71c July 25	88c July 5	50c May 3	95c Jan 18
130	616	Wilson & Co Inc (Un)	*	--	--	--	--	--	--	a--	a--	a--	a--
1,998	23,905	Woolworth (F W) (Un)	10	--	--	69	Sale	68⅛	Sale	68⅛ July 31	70⅞ July 10	63 Feb 13	75⅜ Apr 15
272	5,564	Worthington Corp (Un)	10	--	--	--	--	--	--	a--	a--	27¾ Jan 4	34¼ May 27
6,255	7,349	Xerox Corp com (Un)	1.25	--	--	--	--	250	Sale	204 July 2	254½ July 30	201¼ Jun 25	254½ July 30
2,015	18,323	Youngstown Sheet & Tube Company (Un)	*	--	--	--	--	--	--	100¼ July 16	101¼ July 17	87½ Jan 18	104⅝ Jun 4
7,994	59,833	Zenith Radio (Un)	1	55	Sale	61¼	Sale	61⅞	Sale	58¾ July 22	r64 July 5	51⅛ Mar 19	68 Jun 12

*No par value. ‡This issue was either split or a stock dividend was paid during year 1963. The volume and the range shown here is simply the trading and the range for the new shares. ¶This issue, the primary market of which is on the New York Stock Exchange or the American Stock Exchange, was either split or exchanged during the year 1963, the details of the basis of exchange can be found in the footnote on page 29 or 96 of this record. a Odd-lot sale. r Cash sale. (Un) Admitted to unlisted privileges. x Ex-dividend. y Ex-stock dividend. z Ex-liquidating distribution.

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Boston Stock Exchange

Monthly and Yearly Record

RANGE OF PRICES ON THE BOSTON STOCK EXCHANGE

Stock Sales—	1963	1962	Stock Sales—	1963	1962
July (Shares)	380,767	368,818	Jan. 1 to July 31 (Shares)	3,226,636	3,233,699

Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Boston Stock Exchange STOCKS LISTED ISSUES	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
628	7,913	American Agric Chemical	*	23⅜	23⅞	45½	Sale	47⅜	47⅞	45¼ July 2	47½ July 30	22⅝ Jan 16	47½ July 30
2,150	38,060	American Motors	1.66⅔	15⅞	Sale	18½	Sale	17⅞	18⅛	17⅜ July 22	18¾ July 5	15⅞ Jan 2	23 Feb 14
14,703	125,627	American Tel & Tel	33⅓	117⅛	Sale	120⅝	Sale	120⅛	Sale	118⅞ July 26	123 July 5	114½ Jan 2	126¼ May 1
634	9,074	Anaconda Co	50	40½	Sale	49¼	Sale	46⅜	46⅞	46 July 23	49¾ July 11	40½ Jan 2	54⅛ Jun 6
1,945	19,477	Boston Edison Co	10	35⅞	36⅛	42½	Sale	42½	42⅞	41¾ July 23	42⅞ July 10	36⅛ Jan 3	43⅜ Jun 7
100	727	Boston Garden Arena Corp	1	--	--	4¾	5¼	4¾	5¼	5 July 12	5 July 12	4¾ Jun 18	5¼ May 7
492	3,304	Boston Personal Prop Tr	*	57¼	Sale	68	69	67¾	69	67½ July 18	70 July 9	56¾ Jan 2	70¼ Apr 8
----	807	Boston & Providence RR	100	--	40	30	35	31	35	-- ------	-- ------	29⅞ May 30	44 Mar 5
270	1,408	Calumet & Hecla	5	11½	12	12⅛	12⅜	12	12¼	12 July 18	12½ July 9	11¼ May 7	13 Jan 21
1,396	8,055	Cities Service Co	10	55⅜	55⅞	65⅝	Sale	71	Sale	65½ July 1	71 July 31	55¾ Jan 3	71 July 31
75	3,017	Copper Range Co	5	16⅜	Sale	21	21½	21½	22	21⅛ July 26	22⅛ July 30	16⅜ Jan 2	24¾ May 13
390	6,686	Eastern Gas & Fuel Assoc— Common	10	46¾	47¼	61½	Sale	59¾	Sale	59¾ July 31	63 July 10	48¼ Jan 7	63 July 10
41	990	Eastern Massachusetts Street Ry— Common	100	⅞	1⅛	⅝	1	⅝	¾	50c July 18	50c July 18	50c July 18	1 Jan 16
770	2,018	6% 1st pfd series A	100	35½	40	28½	33½	30½	33½	30 July 30	30¼ July 26	28½ Apr 25	37 Jan 23
4	841	6% preferred B	100	16	22	18	21	18	20	17¾ July 19	17¾ July 19	15 Mar 29	20 Jan 8
476	1,981	5% pfd adjustment	100	10¼	12	9	Sale	8½	10	8¼ July 19	10 July 5	7⅜ Jun 12	11½ Feb 5
756	10,238	First National Stores	*	50¾	Sale	59	Sale	54¾	Sale	53½ July 23	59 July 1	50¾ Jan 2	60¼ Jun 26
5,159	58,701	Ford Motor Co	2.50	45¾	Sale	51½	Sale	51½	Sale	48⅞ July 22	53⅜ July 3	41⅞ Feb 28	56⅛ Jun 7
4,376	43,209	General Electric Co	5	76⅛	Sale	78¼	Sale	78⅛	Sale	76⅛ July 24	81 July 5	71½ Mar 6	84½ May 31
11,022	79,602	Gillette Company	1	30⅞	Sale	34⅝	Sale	34⅜	Sale	33⅝ July 30	36⅝ July 5	28 Jan 11	36⅞ Apr 9
874	6,658	Island Creek Coal Co	50c	19¾	20¼	24¼	24¾	24¾	Sale	23⅞ July 16	24¾ July 31	20¼ Jan 3	26⅛ Mar 20
1,337	11,484	Kennecott Copper	*	66⅝	67⅛	71¾	Sale	72⅜	Sale	71¼ July 30	73½ July 18	67⅞ Jan 3	79 May 1
134	390	Loew's Boston Theatre	25	14⅞	--	15	--	15	--	15 July 16	15 July 16	14⅜ Mar 5	15¼ Jan 30
1,873	19,027	Lone Star Cement Corp	10	18⅜	Sale	19¾	Sale	19⅞	20⅛	19¾ July 1	21½ July 12	18⅜ Jan 2	23⅛ May 27
120	167	Maine Cent RR 5% pfd	100	94	--	92	100	92	102	102 July 19	102 July 24	92½ Jun 18	107 Feb 8
333	11,041	Narragansett Rac'g Assn	1	9	9¾	12½	13	11¾	12¼	11¾ July 29	12½ July 9	9½ Jan 3	14¼ Apr 25
4,239	43,449	New England Elec System	1	24⅞	Sale	26⅞	Sale	27¼	Sale	26½ July 2	27⅞ July 24	24⅝ Jan 2	28½ Apr 29
3,520	19,095	New England Tel & Tel	20	43½	Sale	49½	Sale	54⅞	Sale	49⅜ July 1	55 July 31	43½ Jan 2	55 July 31
6	734	Northern RR (N H)	100	66	69	80	85	78	Sale	78 July 31	78½ July 8	68 Feb 7	85 Jun 12
285	4,788	Olin-Mathieson Chemical	6	31⅝	Sale	41½	Sale	40¾	Sale	39⅞ July 24	42⅝ July 11	31⅝ Jan 2	44½ Jun 24
2,571	10,067	Pennsylvania RR	50	13⅜	13⅞	19¼	Sale	18⅛	18⅜	17¼ July 24	20¼ July 11	13¾ Feb 1	20¼ July 11
300	569	Quincy Mining Co	25	24	26	29	33	29¼	--	30 July 18	30 July 23	26½ Mar 13	30 Jun 3
----	132	Reece Folding Machine	2	2¼	3	2¾	3	2¾	3	-- ------	-- ------	2½ Mar 26	2⅞ Mar 22
797	4,340	Rexall Drug & Chemical Company	2.50	33	33½	33⅜	33⅝	37⅞	38⅛	35⅜ July 15	38⅛ July 22	29⅛ Mar 8	38⅛ July 22
620	6,127	Shawmut Association	*	34¾	Sale	39½	40½	39¾	Sale	39¾ July 31	40¾ July 9	37½ Feb 4	42 Feb 15
1,783	17,173	Stop & Shop	1	19¾	Sale	21½	Sale	19¾	20½	19⅜ July 29	21⅞ July 2	19⅜ July 29	27 Apr 5
199	2,001	Torrington Co (The)	*	57	57¾	72	72¾	69¼	Sale	69¼ July 31	73¼ July 3	58½ Jan 3	73¼ July 3
2,916	33,399	United Fruit Co	*	22	Sale	26¾	Sale	25¼	Sale	24⅛ July 24	27⅛ July 10	21⅞ Jan 2	30⅛ May 22
2,284	16,930	United Shoe Machinery	25	48¼	Sale	49¾	Sale	49¼	Sale	47¼ July 15	50⅜ July 3	47¼ July 15	55¼ Feb 25
1,628	24,773	U S Smelt Ref'g & Mfg Co	50	49½	Sale	73¾	Sale	90	Sale	73¾ July 1	91 July 30	49½ Jan 2	91 July 30
75	760	Vermont & Mass Ry Co	100	71	73	81	--	82	--	81 July 2	84½ July 30	72 Jan 10	84½ July 30
107	1,836	Waldorf System Inc	*	6½	7	8⅝	8⅞	8⅞	9⅛	7⅞ July 10	8⅞ July 24	6¾ Feb 21	9 Jun 4
2,960	20,137	Westinghouse Electric	6.25	32¼	Sale	35⅜	Sale	34½	Sale	33⅝ July 26	36⅛ July 11	31¾ Jan 3	38⅞ Jun 5
----	----	Wichita River Oil Corp	1			1½	2	1½	2	-- ------	-- ------	-- ------	-- ------

x Ex-dividend. y Ex-rights.

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Pittsburgh Stock Exchange

Monthly and Yearly Record

RANGE OF PRICES ON THE PITTSBURGH STOCK EXCHANGE

Stock Sales—	1963	1962	Stock Sales—	1963	1962
July (Shares)	59,737	61,138	Jan. 1 to July 31 (Shares)	451,602	486,422

Aggregate Sales in July Shares	Aggregate Sales Since Jan. 1 Shares	Pittsburgh Stock Exchange STOCKS LISTED ISSUES	Par	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY July 1 Opening or Bid	PRICES IN JULY July 1 Opening or Ask	PRICES IN JULY July 31 Closing or Bid	PRICES IN JULY July 31 Closing or Ask	PRICES IN JULY Lowest Sale Prices	PRICES IN JULY Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
294	3,544	Allegheny Ludlum Steel	1	33⅝	Sale	--	--	--	--	35⅞ July 23	37½ July 18	33⅛ Mar 11	38½ May 23
116	533	Apollo Industries Inc	5	7½	8½	10⅜	11⅜	12	13	11⅝ July 10	13½ July 15	7¼ Mar 15	13½ July 15
209	3,201	Armstrong Cork Co	1	66¾	Sale	78¾	Sale	--	--	78½ July 2	83¾ July 17	66¼ Jan 7	83¾ Jun 6
514	3,191	Blaw-Knox Co	10	--	--	27¾	Sale	26⅜	Sale	26⅜ July 17	27¾ July 1	26⅜ July 17	33⅞ Apr 16
746	4,923	Columbia Gas System	10	--	--	29¾	Sale	--	--	29⅛ July 26	30¼ July 12	27 Jan 4	30½ Jun 18
----	----	Continental Com'cial Corp	1	5¼	5⅝	5¼	5⅜	5⅛	5¼	-- ------	-- ------	-- ------	-- ------
4,428	24,875	Duquesne Brewing of Pgh	5	8	Sale	8¾	Sale	8¼	8¾	8½ July 19	9 July 9	8 Jan 2	9¾ Jan 21
1,069	7,290	Duquesne Light Co	5	31⅛	Sale	32	Sale	31⅞	Sale	31¼ July 24	32⅜ July 1	31 Jan 2	34 May 16
505	3,486	Equitable Gas Co	8.50	38⅛	Sale	--	--	--	--	40⅛ July 24	41½ July 3	38⅛ Jan 2	45⅛ May 15
602	5,617	Harbison Walker Refrac	7½	--	--	35½	Sale	--	--	33⅝ July 25	35½ July 1	31⅞ Jan 7	37½ May 13
1,215	17,552	Horne (Joseph) Co	*	24	Sale	25¾	Sale	25½	26	25⅝ July 11	26 July 11	23½ Mar 19	27 Jan 11
----	60	Jeannette Glass 7% pfd	100	92¾	--	90	95¾	90	95¾	-- ------	-- ------	90½ Apr 17	91 Mar 18
----	11,247	McKinney Mfg Co	1	--	--	75c	--	75c	80c	-- ------	-- ------	50c Feb 1	75c May 17
110	800	Mountain Fuel Supply	10	60c	65c	--	--	--	--	39⅝ July 22	40¾ July 1	35 Mar 28	40¾ May 27
----	472	Natco Corporation	5	--	--	8¼	9¼	7½	8½	-- ------	-- ------	8⅜ May 9	9⅝ Jan 9
----	350	Penn Federal Corp	*	50c	--	--	1	--	1	-- ------	-- ------	75c Apr 8	75c Apr 8
7,227	50,467	Pittsburgh Brewing com	1	4½	4¾	4¾	Sale	4½	4¾	4⅝ July 2	4¾ July 1	4½ Jan 9	5 Jan 18
----	----	$2.50 conv preferred	25	35½	--	35	--	--	--	-- ------	-- ------	-- ------	-- ------
----	751	Pittsburgh Forgings Co	1	--	--	--	--	--	--	-- ------	-- ------	15¼ Jan 10	22⅛ May 23
1,801	14,366	Pittsburgh Plate Glass	10	51¾	Sale	53¼	Sale	56	Sale	52¾ July 2	56 July 30	51¾ Jan 2	57¾ Mar 26
155	4,687	Rockwell-Standard Corp	5	--	--	--	--	--	--	40½ July 19	42½ July 30	34¼ Jan 2	43¾ Jun 21
203	1,727	Screw & Bolt Corp of Amer	1	4½	Sale	--	--	4⅜	Sale	4¼ July 15	4½ July 15	4⅜ Jun 12	5¼ Mar 13
880	4,450	United Engineering & Fdy	5	18¼	Sale	--	--	18	Sale	18 July 31	18⅞ July 3	18 July 31	20 Apr 30
43	405	Vanadium Alloys Steel Co	5	--	--	33⅛	Sale	--	--	32⅞ July 10	33⅛ July 1	29½ Jan 4	36⅜ Apr 15
825	6,968	Westinghouse Air Brake	10	25¼	Sale	--	--	--	--	28¾ July 24	31⅜ July 3	25¼ Jan 2	31⅞ May 16
3,628	28,257	Westinghouse El Corp	6.25	32	Sale	34⅞	Sale	34⅜	Sale	33⅝ July 23	36¼ July 9	31¾ Jan 3	38⅞ Jun 5

* No par. a Deferred delivery sale. r Cash sale. x Ex-dividend. y Ex-rights.

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General Quotations

OF BONDS AND STOCKS

We are publishing under this heading of General Quoations the month-end values for only the Over-the-Counter stock and bond issues.

The values for the Listed issues (either the last sale or the closing bid and asked quotation) can be found in the earlier part of this publication, under the particular exchange the issue is traded.

The following is an index to the different classifications of securities quoted:

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The letter "f" prefixed to bond prices denotes that the quotation is a flat price—that is, that the accrued interest forms part of the price, and therefore the purchaser does not have to provide for it separately in making payment. In the case of income bonds and bonds in default, the price is always "flat," and no designating mark is employed to indicate the fact.

Quotations for guaranteed stocks are "and dividend"; that is, the accrued dividend must be paid in addition to the price.

It should be borne in mind in the use of these tables that the quotations for many inactive Over-the-Counter securities are merely nominal, but in all cases the figures are obtained from sources which are considered reliable.

The following abbreviations are often used, viz: "M" for mortgage, "gtd" for guaranteed, "end" for endorsed, "cons" for consolidated, "conv" for convertible, "sf for sinking fund, "lg" for land grant, "opt" for optional.

The italic type in the letters showing the interest period indicates the *month* when the bonds mature.

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

Bonds—	Bid	Ask	Net
OVER-THE-COUNTER RAILROAD BONDS			
Akron Canton & Youngstown—			
Cons mtge 4s ser A 1988 A-O	71	73	
Cons mtge 4½s ser B 1988 A-O	80	84	
Akron Union Passenger Depot—			
1st mtge 4½s ser A 1974 J-J	84	--	
Alabama & Vicksburg Ry—			
1st mtge 5s series A 1974 M-N	99½	--	
Albany & Susquehanna RR—			
1st mtge ext 2¾s 1971 A-O	82	88	
Atlanta Knoxville & Northern—			
1st con 4s Mar 1 2002 M-S	83	88	
Atlantic Coast Line RR—			
Irreg ctfs of indebtedness 5s J-D	99	--	
4.95s series E due 1988 Now listed NYSE			
Atlantic & Danville Ry Co—			
1st 3s July 1999	f--	25	
Battle Creek & Sturgis Ry—			
1st guaranteed 3s 1989 J-D	72	--	
Bay City & Battle Creek—			
1st 3s 1989 J-D	72	--	
Bedford Belt Ry—			
1st 2¾s-4¼s Jan 1 1994	f59	63	
Belt Railway Co of Chicago—			
1st mtge 4⅝s ser A 1987 F-A	101	102½	
Boston & Albany 5s Oct 1963 A-O	99¾	--	
4¼s improvement 1978 F-A	72	75	
Canadian National Railway Co—			
Guaranteed bonds (payable in Canadian Currency)			
3s Jan 3 1966 opt '61	89½	90½	
2¾s Jan 2 1967 opt '64	87¼	88¼	
5½s Dec 15 1964	95	96	
4½s April 1 1967	91½	92½	
5s May 15 1968	92½	93½	
2⅞s Sept 15 1969 out '64	84	85	
2⅞s Jan 16 1971 opt '66	82¼	83¼	
3¾ Feb 1 1974 opt '72	82	83	
5s May 15 1977	90¾	91¾	
4s Feb 1 1981	79¼	80¼	
5¾s Jan 1 1985	97½	98½	
5s Oct 1 1987	89¼	90¼	
Canadian Pacific Ry—			
Conv coll tr 3⅛s 1970 A-O	83	--	
Conv coll tr 3½s 1966 A-O	88¼	90¼	
Conv coll tr 4s 1969 J-D	86¼	88¼	
Coll trust 3¾s 1972 M-N	89¼	90¼	
Coll trust 5s Jan 1983 J-J	86¾	88¾	
Charleston & West Carolina Ry—			
Cons 5s 1964 J-J	102	--	
Chesapeake & Ohio—			
Refunding and impvt mtge—			
2.80s series G-23 1964 F-A	99¼	--	
2.85s series G-24 1965 F-A	98	--	
2.90s series G 25 1966 F-A	96¾	--	
Chicago Great Western Ry —			
3⅞s coll trust 1969 F-A	94	--	
Cinc Indianapolis & Western—			
1st (stp mod) 3-5s 1965 M-N	93	97	
Chicago Union Station Co.—			
1st mtge 4⅝s s f 1988 wi J-D	99¼	99¾	
Serial debs series A—			
3⅞s June 1 1964	b4.00 less ⅜		
3⅞s June 1 1965	b4.25 less ½		
3⅞s June 1 1966	b4.40 less ⅝		
3⅞s June 1 1967	b4.45 less ¾		
3⅞s June 1 1968	b4.50 less ¾		
Serial debs series B—			
4⅜s June 1 1969	b4.50 less ¾		
4⅜s June 1 1970	b4.50 less ¾		
4⅜s June 1 1971	b4.50 less ¾		
4⅜s June 1 1972	b4.50 less ¾		
4⅜s June 1 1973	b4.50 less ¾		
Cleveland Terminal & Valley—			
1st 4s gold guaranteed 1995 M-N	67	71	
Connecting Ry (Philadelphia)—			
1st mtge 3⅛s ser A 1976 M-S	74	--	
Delaware Lackawanna & Western—			
Oswego & Syracuse—			
4-6s May 1 1993	35	39	
Utica Chenango & Susquehanna Ry Div 1st 3-5s May 1 1992	24	28	
Warren RR 1st ref 3½s 2000 F-A	36	41	
2nd 4-6s May 1 1992	35	39	
Detroit & Toledo Shore Line—			
1st mtge 3¼s series A 1982 J-D	84	--	
Elmira & Williamsport—			
Income 5s 2862 A-O	f85	--	
First RR & Banking Co of Georgia			
Coll trust 5s 1988 F-A	99	--	
5s conv debs 1977 M-S	137	--	
Fonda Johnstown & Gloversville—			
2nd conv income 4½s 2011 Apr	f80	--	
Fort Dodge Des Moines & South—			
1st inc 4s Dec 31 1991 An-May	f36	40	
Fort Street Union Depot Co—			
1st sinking fund 3¾s 1965 J-D	95	98	
Green Bay & Western—			
Debenture certificates A Feb	f78	--	
Debenture certificates B Feb	f18½	20	
Guayaquil & Quito Ry—			
5s "assented" 1932 J-J	f40½	42½	
Illinois Terminal RR Co—			
1st mtge 4⅝s ser A 1987 J-D	100½	101½	
Indiana Harbor Belt RR—			
1st mortgage 5⅛s 1982 J-D	91	95	
Jacksonville Terminal—			
1st mtge 3⅜s ser A 1977 J-D	84	--	
Kans City St Louis & Chicago RR—			
1st 4½s May 31 2022	85	--	
Kansas Oklahoma & Gulf—			
1st mtge 3⅝s 1980 M-S	85	--	
Kentucky & Indiana Term RR—			
1st mtge 4⅞s 1986 M-S	101	103	
Lakefront Dock & RR Terminal—			
1st mtge s f 3¾s ser B 1974 F-A	87	--	
Lehigh & Lake Erie RR Co—			
1st 4½s extended 1994 M-S	66	69	
Lehigh Valley RR Co—			
Cons 4½s Apr 1 1989 J-D	68	71	
Louisiana & North West RR—			
General sinking fund 5s 1974 J-J	92	--	
Non-cum income deb 5s 2008 July	f40	--	
Macon Terminal 5s 1965 J-J	99	--	
Maine Central RR—			
5½s inc debs 2008 M-S	f75	--	
Maryland & Pennsylvania RR—			
1st extended 2-4s 1981 M-S	90	--	
1st cons ext 2-6s 1993 A-O	90	--	
Mexican International RR—			
1st cons 4s Sep 1977 (1922 ass'nt) Stamped Plan B	f26	--	
Sterling 4½s Sep '47 ('22 ass'nt) Stamped Plan B	f21	--	
Mohawk & Malone—			
Consolidated gold 3½s 2002 M-S	51	55	
Muskogee Company—			
4½s coll tr s f 1970 A-O	96	--	
National RR of Mexico—			
1st cons 4s Oct 1951 Plan B	f38	40	
6s (formerly 4½s 1926) Extended to Jan 1933 Plan B	f49	52	
National Rys of Mexico—(Cont)			
Prior lien 4½s July 1957 Plan B	f41	42½	
Sink fund 4s Oct 1977 Plan B	f38	40	
3 mos 6% notes Dec 1913 Plan B	f40	--	
3 yr 6% $ notes Jan 1914 Plan B	f25	--	
New Orleans Great Northern—			
Income debentures 5s 2032 J-J	f80	--	
New York Central RR—			
Collateral trust 5¼s 1980 J-J	84	--	
Collateral trust 5¾s 1980 J-J	88	--	
North Pennsylvania RR—			
3½s mortgage 1972 J-D	77	--	
Norwich & Worcester RR—			
1st mtge 4½s ser B 1967 M-S	65	--	
Oswego & Syracuse (see D L & W)			
Penn & N Y Canal & RR—			
Cons 1st extended 4½s 1969 A-O	73	77	
Cons extended 4s 1969 A-O	71	74	
Pennsylvania Company—			
5¼s coll trust 1985 J-D	106	--	
Pennsylvania RR—			
Secured serial bonds—			
4s 1964 J-J	99½	100	
Peoria & Pekin Union Ry—			
1st mtge 3⅛s ser A 1975 J-J	79	--	
Phila & Reading Term RR—			
1st sinking fund 3½s 1966 M-S	95	97	
Piedmont & Northern 3¾s '66 J-D	97½	99½	
Portland (Me) Terminal—			
1st mtge 6¼s 1986 F-A	99	100	
Providence & Worcester RR—			
1st mtge 4¾s ser A 1967 A-O	70	--	
Richmond Term 3⅜s 1965 M-S	97	--	
Southern Railway—			
1st & gen M 4⅝s ser A '88 J-D	102	103	
Aiken Branch 4s 1998 J-J	62	--	
Spartanburg Union & Columbia—			
1st 4s 1995 J-J	88	--	
Sturgis Goshen & St Louis Ry—			
1st 3s Dec 1 1989 J-D	72	--	
Toledo Peoria & Western RR—			
1st mtge 4s series B 1967 J-J	97	--	
Toledo Terminal RR—			
1st mtge 4¾s 1982 A-O	94	--	
Union Terminal Co (Dallas)—			
1st mtge 3s 1978 J-D	83	--	
United N J RR & Canal Co—			
1st 4½s Sep 1 1979 M-S	93	--	
Gen mtge 2¾s 1976 M-S	75	--	
Utica Chenango & Susq Ry Div— See Del Lack & Western			
Vera Cruz & Pacific RR—			
1st 4½s 1934 Plan B	f38	40	
Vicksburg Shreveport & Pacific—			
Ref & imp 5s ser B 1973 M-N	99	--	
Warren RR (see D L & W)			
West Virginia & Pittsburgh—			
1st gold sinking fund 4s 1990 A-O	82	86	
Wheeling & Lake Erie RR—			
Gen & ref M 2¾s ser B 1974 F-A	85	--	
Gen & ref M 2¾s ser C 1974 F-A	84	--	

a Called for redemption, see page 94. b Basis. e Ex-interest. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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RAILROAD EQUIPMENT TRUST CERTIFICATES

The prices quoted here are the dollar valuations for practically all the outstanding issues. It being impossible to revise these figures each month, the quotations shown are the June 30, 1963, valuations, published on the assumption that little change has taken place in the quoted value of the bonds since that date. For the certificates issued since Dec. 31, the bid prices at the time of issuance are shown. For the serial issues, we are indicating the bid for the lowest, and the bid for the highest maturity.

	June 30, 1963 Bid Price
Alabama Great Southern RR—	
4⅜s series K—	
June 15-Dec 15 1963-1967	100⅛ to 100¾
Ann Arbor Railroad—	
3⅜s series C April 1 1964-72	99⅝ to 94⅛
Atlantic Coast Line RR—	
2½s series J March 1 1964	98⅞ --
2¾s (J 2nd) March 1 1964	99 --
4¼s series K Jan 1 1964-72	100 to 98⅝
4⅝s series L July 15 1964-1975	100⅝ to 101¼
4¼s series M Aug 15 1963-1975	99⅞ to 97⅞
4¼s series N (1st part) Jan 1 1964-1977	100 to 97⅞
4⅜s series N (2nd & final) Jan 1 1964-1977	100 to 99
4⅛s series O Aug 15 1963-1977	99⅞ to 96⅛
4s series P Jan 15 1964-1978	99⅞ to 95
4s series Q Mar 1 1964-1978	99⅜ to 95
Baltimore & Ohio RR—	
2½s series AA July 1 1964	98⅜ --
2½s series BB Jan 1 1964-65	99 to 97⅜
3s series CC Sept 1 1963-66	99⅝ to 96⅛
3s series DD March 1 1964-67	99⅛ to 95½
3⅛s series EE June 1 1964-67	99¼ to 96
Series FF—	
3⅛s (1st & 2nd) Dec 1 '63-67	99½ to 95¼
3¼s (3rd inst) Dec 1 1963-67	99½ to 95¾
Series GG—	
1st & 2nd 3¼s Jan 1 1964-71	99⅜ to 92⅛
3rd & 4th 3⅝s Jan 1 1964-71	99⅝ to 94½
4¼s series HH Jan 1 1964-72	99⅞ to 98
4s series II (1st install) Feb 1 1964-72	99¾ to 96⅛
4½s series II (2nd install) Feb 1 1964-72	100⅛ to 99¾
Series JJ—	
4¼s (1st install) Dec 1 1963-1972	100 to 97¾
3¾s (2nd and final) Dec 1 1963-1972	99¾ to 94
Bangor & Aroostook RR—	
2½s series N Dec 1 1963	99¼ --
3¼s of 1952 Apr 1-Oct 1 '63-'67	99¾ to 95⅞
2⅞s of 1954 June 1 1964-1969	98⅞ to 91⅞
2¾s series P of 1954— Nov 1 1963-1969	99½ to 90¾
Boston & Maine RR—	
4½s series I (1st and 2nd) March 1 1964-1971	98 to 70¾
6s series I (3rd install) March 1 1964-1971	99 to 77¾
Central of Georgia—	
3¼s series W May 1 1964-67	99¼ to 96½
3⅜s series X Nov 1 1963-67	99¾ to 96⅝
3⅝s series Y Sep 1 1963-68	99⅞ to 97
2⅞s series Z Aug 1 1963-69	99⅞ to 92⅜
3⅛s series A Mar 1 1964-70	99¼ to 93
3¼s ser B Feb 1-Aug 1 1963-71	99⅞ to 92½
4⅝s ser C May 1-Nov 1 1963-71	100⅛ to 101½
5s series D Jun 1-Dec 1 1963-72	100¼ to 104
Central RR of New Jersey—	
2⅝s series A Oct 15 1963	99½ --
2½s of 1950 Apr 1 1964-65	98½ to 96¾
3½s of 1952 Oct 1 1963-67	99⅝ to 95⅞
3⅝s of 1953 Mar 1 1964-68	99⅜ to 95⅝
3⅛s of 1954 Apr 1 1964-69	99 to 90⅝
Central RR of Pennsylvania—	
2⅜s of 1950 Apr 1 1964-65	98½ to 96½
3s of 1951 Aug 1 1963-66	99¾ to 95¾
Chesapeake & Ohio Ry—	
2⅛s (3rd 1949) Feb 1-Aug 1 1963-64	99¾ to 98½
2s (4th 1949) May 1-Nov 1 1963-64	99¼ to 98
2⅛s of 1950 Jan 1-July 1 1964-65	98⅝ to 96¾
2⅛s (2nd 1950) Apr 1-Oct 1 1963-65	99⅜ to 96⅜
2⅜s (3rd 1950) Mar 1-Sep 1 1963-65	99½ to 97
2½s (4th 1950) May 15-Nov 15 1963-65	99⅜ to 96⅞
2½s of 1951 Feb 1-Aug 1 1963-66	99⅞ to 95¾
2⅞s (2nd 1951) May 15-Nov 15 1963-66	99½ to 96⅜
3s (3rd 1951) Feb 1-Aug 1 1963-66	99⅞ to 97
2¾s (4th 1951) Apr 1-Oct 1 1963-66	99½ to 96½
3⅛s (5th 1951) Jun 15-Dec 15 1964-66	99⅝ to 97⅛
2⅞s of 1952 Mar 1-Sep 1 1963-67	99¾ to 95½
2⅞s (2nd 1952) Apr 15-Oct 15 1963-67	99⅝ to 95⅜
2⅞s (3rd 1952) Jun 1-Dec 1 1964-67	99¾ to 95¼
3⅛s (4th of 1952) Mar 1-Sep 1 1963-67	99⅞ to 96⅜
3¼s (5th of 1952) Apr 15-Oct 15 1963-67	99⅞ to 96⅝

	June 30, 1963 Bid Price
Chesapeake & Ohio Ry (Cont'd)—	
3s of 1953 Feb 1-Aug 1 1963-68	99⅞ to 95
3¼s (2nd 1953) Apr 1-Oct 1 1963-68	99¾ to 95⅞
3⅝s (3rd 1953) Jan 1-July 1 1964-68	99¾ to 97⅝
3s of 1955 Aug 1 1963-70	99⅞ to 92⅜
3s of 1956 1st install Feb 20 1964-71	99⅜ to 91⅝
3⅜s 2nd of 1956 Jun 4 1964-71	99½ to 93⅞
3⅞s 3rd of 1956 Oct 23 1963-71	99⅞ to 97⅛
4⅛s 3rd of 1956 Oct 23 1963-71	100 to 98⅞
3⅞s of 1957 Feb 25 1964-72	99⅞ to 96⅝
4¼s of 1957 1st install Jun 1 1964-72	100¼ to 99⅜
4⅜s of 1957 2nd & 3rd Jun 1 1964-72	100¾ to 100¼
4½s of 1959 (1st part) 1st install Jun 1 1964-74	100½ to 101
4⅝s of 1959 (2nd and final) Jun 1 1964-74	100⅝ to 102⅛
4¼s of 1960 Nov 1 1963-75	100 to 98¾
Chicago & Eastern Illinois Ry—	
2⅝s series G Jan 1-July 1 1964	98¾ --
2¾s series H Jun 1-Dec 1 1963-65	99¼ to 96¾
3⅛s series I Feb 1-Aug 1 1963-67	99⅞ to 95¼
3⅝s series J Mar 1-Sep 1 1963-68	99¾ to 95⅞
4⅜s series K Feb 1-Aug 1 1963-72	99⅞ to 96
5s series L July 22 1964-72	100¾ to 100⅜
Chicago & North Western Ry—	
2⅜s (2nd 1948) Nov 1 1963	98⅝ --
2⅜s (1st 1949) Jun 1 1964	98¼ --
2⅜s (2nd 1949) Aug 1 1963-64	99¾ to 98
2¼s of 1950 Apr 1 1964-65	98½ to 96½
2⅝s of 1951 Mar 15 1964-66	98¾ to 95⅝
3s (1st 1952) May 1 1964-67	98⅞ to 95
3⅛s (2nd 1952) July 1 1964-67	98⅞ to 95
3½s (1st 1953) Apr 1 1964-68	99⅜ to 95⅝
3¾s (2nd 1953) Jun 15 1964-68	99½ to 96⅝
3¾s (3rd 1953) Aug 15 1963-68	99⅞ to 96½
2⅞s of 1954 Mar 1 1964-69	99 to 91⅜
2⅞s (2nd 1954) May 1 1964-69	98¾ to 91¼
3⅜s of 1955 July 15 1964-70	99⅛ to 92
3⅝s (1st 1955) Nov 1 1963-70	99¾ to 93¼
3¾s (2nd of '55) Nov 1 1963-70	99¾ to 94
4⅜s of 1956 Jun 15 1964-71	100 to 97¼
5s (2nd of '56) Nov 1 1963-71	100¼ to 101⅜
5⅛s (3rd of '56) Nov 15 1963-71	100¼ to 102¼
5½s of 1957 Mar 15 1964-72	100¾ to 104¼
6s (2nd of '57) July 15 1964-72	101¾ to 108
5¼s (1958 1st & 2nd part) Jan 1 1964-73	100¼ to 102⅜
5¾s (2nd of 1958 1st part) Oct 15 1963-73	100⅜ to 106⅜
5½s (2nd of 1958 2nd part) Oct 15 1963-73	100¼ to 104½
5¼s (2nd of 1958 3rd part) Oct 15 1963-73	100⅛ to 102½
5⅛s of 1959 Jan 15 1964-74	100¼ to 101⅛
5s of 1962 Apr 1 1964-77	100⅜ to 100⅛
4⅝s of 1963 Apr 15 1964-1978	100¼ to 96⅝
Chicago Burlington & Quincy RR—	
2¼s of 1949 Jan 1-July 1 1964	98¾ --
2⅛s of 1950 Mar 1-Sep 1 1963-65	99⅝ to 96½
3¼s of 1953 May 1-Nov 1 1963-68	99⅝ to 95⅞
2⅞s (2nd 1953) May 1-Nov 1 1963-68	99½ to 94⅛
2⅝s of 1954 Jan 1-July 1964-69	99 to 92
2⅝s (2nd 1954) Jun 1-Dec 1 1963-69	99⅜ to 91½
2⅞s of 1955 Jan 5-July 5 1964-70	99⅛ to 92
3⅛s (2nd 1955) Mar 1-Sep 1 1963-70	99¾ to 93¼
3⅛s (No 1 of 1956) Feb 1-Aug 1 1963-71	99⅞ to 92¼
3⅞s (No 2 of 1956) May 1-Nov 1 1963-71	99⅞ to 97⅛
3¾s (No 1 of 1957) Mar 1-Sep 1 1963-72	99⅞ to 95⅝
3½s (No 1 of 1958) Feb 1-Aug 1 1963-73	99⅞ to 93⅜
3½s (No 2 of 1958) Apr 1-Oct 1 1963-73	99¾ to 93¼
3⅜s (No 3 of 1958) Jan 1-July 1 1964-73	99⅝ to 92⅜
4⅜s (No 1 of 1959) Feb 1-Aug 1 1963-74	99⅞ to 100
4⅝s (No 2 of 1959) Jan 1-July 1 1964-74	100½ to 102
5s (No 3 of 1959) Mar 1-Sep 1 1963-74	100 to 105¼
4⅝s (No 1 of 1960) Jan 1-July 1 1964-75	100½ to 101⅞
4¼s (No 1 of 1961) Feb 1-Aug 1 1963-76	99⅞ to 98¾
4⅛s (No 2 of 1961) Jun 1-Dec 1 1963-76	100 to 97⅝
4⅛s (No 3 of 1961) May 1-Nov 1 1963-76	99⅞ to 97⅝
4⅜s (No 1 of 1962) Mar 1-Sep 1 1963-77	99⅞ to 99½
4s (No 2 of 1962) Jun 1-Dec 1 1963-77	100 to 95⅞
4s (No 1 of 1963) Feb 1-Aug 1 1963-78	99⅞ to 95¾
3⅞s (No 2 of 1963) Jun 1-Dec 1 1963-78	99⅞ to 94¾
4s (No 3 of 1963) Jan 15-July 15 1964-1978	100¼ to 97¼

	June 30, 1963 Bid Price
Chicago Great Western Ry—	
2¾s (2nd 1949) Jan 15-July 1964	98 --
Chicago Indianapolis & Louisv RR	
2⅝s (1st 1949) Mar 1 1964	98¾ --
2¾s of 1951 Mar 1 1964-66	98⅞ to 95⅝
3¼s of 1952 Aug 15 1963-67	99⅝ to 95
3¾s (1st 1953) Oct 15 1963-68	99⅝ to 95¾
Chicago Milw St Paul & Pac RR—	
2⅜s series HH Apr 1-Oct 1 1963-64	99½ to 98⅜
2⅛s series JJ Mar 1-Sep 1 1963-64	99½ to 98¼
2¼s series KK Apr 1-Oct 1 1963-64	99⅜ to 98¼
2¼s series LL Jun 1-Dec 1 1963-65	99⅛ to 96⅛
2½s series MM May 1-Nov 1 1963-65	99⅜ to 96¾
2⅞s series OO Apr 1-Oct 1 1963-66	99½ to 96¼
2⅞s series PP Mar 1-Sep 1 1963-67	99⅝ to 95⅛
3⅛s series QQ Mar 1-Sep 1 1963-67	99¾ to 96
3⅛s series RR Jan 1-July 1 1964-69	99¼ to 94
2¾s series SS Jan 1-July 1 1964-69	99 to 92⅛
2⅞s series TT May 1-Nov 1 1963-69	99½ to 92⅜
3⅜s series UU Jan 1-July 1 1964-71	99⅜ to 93⅜
4s series VV (1st inst) Feb 1-Aug 1 1963-72	99⅞ to 96¾
4⅜s series VV (2nd and final instal) Feb 1-Aug 1 1963-72	100 to 99½
4⅛s series WW Jan 1-July 1 1964-73	100 to 97⅛
4½s series XX Feb 1-Aug 1 1963-74	99⅞ to 100⅛
4⅞s series YY (1st part) Feb 1-Aug 1 1963-75	100 to 103⅜
4¾s ser YY (2nd & final inst) Feb 1-Aug 1 1963-75	100 to 102⅛
4s series ZZ Mar 1-Sep 1 1963-76	99¾ to 95⅝
Chicago Rock Island & Pacific RR	
2⅛s series G Jun 1-Dec 1 1963-65	99⅛ to 95⅞
2¾s series J Apr 1-Oct 1 1963-66	99½ to 96
2¾s series K May 1-Nov 1 1963-66	99½ to 95⅞
3s series L Jan 1-July 1 1964-67	99⅛ to 95¾
2¾s series M Apr 1-Oct 1 1963-67	99⅝ to 94⅝
2¾s series N Feb 1-Aug 1 1963-64	99⅞ to 98⅞
2¾s series O Jan 1-July 1 1964-65	99 to 97⅝
3s series P Jun 1-Dec 1 1963-67	99½ to 95⅜
3⅜s series Q May 1-Nov 1 1963-68	99⅝ to 96
4⅛s series R Jun 1-Dec 1 1963-72	100 to 97⅝
4⅜s series S Feb 1-Aug 1 1963-72	100½ to 99½
3½s series T Feb 1-Aug 1 1963-73	99⅞ to 92⅝
4⅛s series U Feb 15-Aug 15 1963-74	99⅞ to 96¾
5s series V Jun 15-Dec 15 1963-74	100¼ to 104½
4½s series W May 15-Nov 15 1963-75	100 to 100⅛
4⅛s series X May 1 1964-75	100 to 96½
Chicago St Paul M & O Ry—	
2⅝s of 1948 Dec 1 1963	99¼ --
3⅛s of 1951 July 1 1964-66	98⅞ to 96⅝
3¼s of 1952 Jun 1 1964-67	99 to 95¾
4½s of 1953 July 1 1964-68	100¼ to 99⅞
Cin New Orls & Texas Pac Ry—	
3⅞s series L (1st inst) Feb 1-Aug 1 1963-67	99⅞ to 99⅛
3¾s series L (2nd inst) Feb 1-Aug 1 1963-67	99⅞ to 98⅝
Delaware Lack & Western RR—	
2½s series H Mar 15-Sep 15 1963-64	99⅜ to 98¾
2½s series I Apr 1 1964	98½ --
2⅜s series J Apr 1 1964-65	98½ to 96½
3s series K Mar 1 1964-67	99 to 94¾
3⅛s series L Jan 15 1964-68	99¼ to 93¾
2¾s series M Feb 15-Aug 15 1963-69	99¾ to 89¾
3⅜s series N (1st inst) May 15-Nov 15 1963-71	99⅝ to 92⅛
3⅞s series N (2nd inst) May 15-Nov 15 1963-71	99¾ to 92⅞
Denver & Rio Grande West RR—	
2⅜s series N Apr 1-Oct 1 1963-64	99½ to 98½
2¼s series O Jun 1-Dec 1 1963-64	99¼ to 98⅛
2⅜s series P June 1-Dec 1 1963-65	99¼ to 96¾
3s series Q Jun 1-Dec 1 1963-66	99½ to 94¾

a Called for redemption, see page 94. b Basis. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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	June 30, 1963 Bid Price
Den & Rio Grande West (Con't)—	
2¾s series R Jun 1-Dec 1 1963-67	99½ to 94¾
3⅛s series S May 1-Nov 1 1963-68	99⅝ to 95¼
3½s series S (2nd installment) May 1-Nov 1 1963-68	99¾ to 97
2⅞s series T Jun 1-Dec 1 1963-70	99½ to 91⅝
3¼s series U Jan 1-July 1 1964-71	99½ to 93⅛
3¾s series V May 1-Nov 1 1963-72	99⅞ to 95⅝
3⅜s series W Mar 1-Sep 1 1963-73	99¾ to 92¼
4s ser X Mar 1-Sep 1 1963-74	99⅞ to 97⅛
4⅝s series Y Jun 1-Dec 1 1963-75	100¼ to 102¼
4⅜s series Z July 1 1964-76	100½ to 100
4⅛s series AA Apr 1-Oct 1 1963-77	99⅞ to 97½
4s series BB Feb 1-Aug 1 1963-78	99⅞ to 96¼
Erie RR—	
2⅜s of 1950 Jan 15-July 15 1964-65	99⅛ to 96⅜
3s of 1954 Jan 15 1964-69	99⅛ to 92
3s of 1955 July 15 1964-70	98⅝ to 89
3⅝s of 1956 Jun 15 1964-71	99¼ to 91⅜
4¼s 1957 Jan 1 1964-72	99¾ to 94⅝
4¾s (2nd 1957) July 15 1964-72	100⅜ to 97⅞
Great Northern Ry Co—	
2s of 1949 Jun 1-Dec 1 1963-64	99¼ to 97⅞
2⅜s of 1950 Feb 1-Aug 1 1963-65	99¾ to 97
2⅞s of 1951 Apr 1-Oct 1 1963-66	99⅝ to 96½
3s (2nd 1951) Jun 1-Dec 1 1963-66	99½ to 96¾
2⅞s of 1953 Jan 1-July 1 1964-68	99⅛ to 94½
2¾s of '54 Feb 1-Aug 1 1963-69	99⅞ to 92½
2⅝s (2nd 1954) Jun 1-Dec 1 1963-69	99⅜ to 91½
3⅜s of 1956 Apr 1-Oct 1 1963-71	99¾ to 93⅞
3¾s of 1957 Mar 1-Sep 1 '63-72	99⅞ to 95⅝
4¼s (2nd of 1957) Feb 1-Aug 1 1963-72	99⅞ to 99⅜
3½s of '58 Feb 1-Aug 1 1963-73	99⅞ to 93⅜
4s (2nd of 1958) Mar 1-Sep 1 1963-73	99¾ to 97¼
4⅛s (3rd of 1958) Jun 1-Dec 1 1963-73	100 to 98¼
4½s of 1959 May 1-Nov 1 1963-73	100 to 101
5s of 1960 Feb 1-Aug 1 1963-75	99⅞ to 105½
4⅞s (2nd of 1960) Mar 1-Sep 1 1963-75	100 to 104⅜
4s of 1961 Mar 1-Sep 1 1963-76	99¾ to 96½
4s of 1962 May 1 1964-77	100 to 96
4⅛s of 1963 Mar 1 1964-1978	100 to 97
4s (2nd of 1963) Jun 1 1964-1978	100 to 95¾
Gulf Mobile & Ohio RR—	
2⅛s series E Feb 15 1964	98⅞ --
3s series F Apr 1-Oct 1 1963-65	99⅝ to 98
3⅛s series G Mar 1-Sep 1 1963-68	99¾ to 95⅛
4¼s series H Jan 1-July 1 1964-72	100⅛ to 99¼
4⅜s series I Mar 1-Sep 1 1963-76	99⅞ to 99½
4⅛s series J Jan 15-July 15 1964-77	100⅝ to 97
4s series K Apr 1-Oct 1 1963-77	99⅞ to 95⅞
4s series L April 1-Oct 1 1963-1978	97⅞ to 95¾
Illinois Central RR—	
2⅞s series FF Apr 1-Oct 1 1963-66	99⅝ to 96½
3s series GG May 1-Nov 1 1963-66	99½ to 96⅞
2⅞s series HH Feb 1-Aug 1 1963-67	99⅞ to 95⅝
2¾s series 35 May 1-Nov 1 1963-67	99½ to 94⅝
3s series 36 Feb 1-Aug 1 1963-68	99¾ to 94¾
3s series 37 Mar 1-Sep 1 1963-68	99¾ to 94⅝
2½s series 38 Mar 1-Sep 1 1963-69	99¾ to 90⅞
2½s series 39 Apr 1-Oct 1 1963-69	99½ to 90¾
2⅝s series 40 Jan 1-July 1 1964-70	99 to 90¼
3¼s series 41 Jan 1-July 1 1964-71	99½ to 93⅛
3s series 42 Mar 1-Sep 1 1963-71	99¾ to 91⅜
4s series 43 Jan 1-July 1 1964-72	100 to 97¼
4⅛s series 44 May 1-Nov 1 1963-72	100 to 98⅞
4¼s series 45 Jan 1-July 1 1964-73	100⅛ to 99
4⅛s series 46 Jun 1-Dec 1 1963-73	100 to 97⅞
4s series 47 Apr 1-Oct 1 1963-74	99⅞ to 96⅝
4½s series 48 Mar 1-Sep 1 1963-74	99⅞ to 101

	June 30, 1963 Bid Price
Illinois Central RR (Cont)—	
4⅜s series 1949 May 1-Nov 1 1963-75	100 to 99⅞
4s series 50 Mar 1-Sep 1 1963-75	99¾ to 97⅛
4⅛s series 1951 Dec 1 1963-75	100 to 98⅛
4s series 52 Mar 1-Sep 1 1963-76	99¾ to 96
Indiana Harbor Belt RR—	
2⅜s 2nd 1949 Sept 15 1963-64	99½ to 98⅛
2¼s of 1950 Feb 15 1964-65	98⅞ to 97
International Great Northern RR	
2⅜s series CC Aug 15 1963-64	99¾ to 97
2⅜s series DD Apr 1 1964-65	98¾ to 97
3¼s series EE Feb 20 1964-68	99⅜ to 95¼
2⅞s series FF May 1 1964-69	99 to 92⅛
Kansas City Southern Ry—	
2½s series I Feb 1-Aug 1 1963-64	99¾ to 98¾
2⅛s series J May 1-Nov 1 1963-64	99¼ to 98⅛
2½s series K Sep 1 1963-65	99⅝ to 96⅞
Louisville & Nashville RR—	
2¾s series K Sep 15 1963-66	99⅝ to 96
2⅞s series L July 15 1964-67	99 to 95⅛
3¼s series M Aug 15 1963-68	99¾ to 95⅝
2½s ser M (2nd) Aug 15 1963-68	99⅝ to 92⅛
3s series N Dec 15 1963-68	99½ to 94⅛
3s series O Mar 15 1964-71	99¼ to 91½
3⅞s series P Nov 15 1963-71	99⅞ to 97⅛
3⅝s series Q Jan 15 1964-73	99¾ to 94½
3½s series R Mar 1 1964-73	99⅝ to 94
3⅜s series S Apr 15 1964-73	99½ to 92⅜
4⅛s series T Jan 15 1964-74	100 to 97¾
4½s series U Jun 15 1964-74	100⅝ to 101
4½s series V Apr 1 1964-75	100⅜ to 101⅛
4½s series W May 15 1964-75	100½ to 101
4s series X Sep 1 1963-75	99⅞ to 96⅝
4⅛s series Y Nov 15 1963-75	100 to 97¾
4⅛s series Z Jan 1 1964-76	100 to 97¼
3¾s series AA Mar 15 1964-76	99⅞ to 93¾
4⅛s series BB Jun 15 1964-76	100¼ to 97⅞
4s series CC July 1 1964-77	100⅛ to 95⅞
4s series DD Sep 1 1963-77	99¾ to 95¾
4s series EE Mar 15 1968-1978	100 to 95¾
3⅞s series FF June 1 1964-1978	100 to 94⅝
Minneapolis & St Louis Ry—	
4½s series A May 10 1964-72	100¼ to 99¾
4¼s series B Aug 26 1963-73	99⅞ to 97¼
Minneapolis St Paul & Saulte Ste Marie RR—	
3⅛s series A Jan 1-July 1 1964-67	99¼ to 95⅞
2⅞s series B Feb 1-Aug 1 1963-69	99⅝ to 92⅛
4½s series C May 1-Nov 1 1963-71	100 to 100
4⅞s series D Feb 1-Aug 1 1963-72	99⅞ to 102½
Missouri-Kansas-Texas RR—	
2½s of 1949 Feb 1-Aug 1 1963-64	99⅝ to 98½
2½s (2nd 1949) Apr 1-Oct 1 1963-64	99⅜ to 98¼
2⅜s (3rd 1949) Jun 15-Dec 15 1963-64	99⅛ to 97⅞
2⅛s of 1950 Feb 1-Aug 1 1963-65	99¾ to 95⅞
2⅞s of 1951 Jan 1-July 1 1964-66	98¾ to 95¾
2¾s (2nd 1951) May 15-Nov 15 1963-66	99⅜ to 95
3⅛s of 1952 Jan 15-July 15 1964-67	99 to 95
3⅝s of 1956 Sep 1 1963-71	99¾ to 91¼
Missouri Pacific RR—	
2½s series LL Apr 15 1964	98¾ --
2⅜s series MM Aug 15 1963-64	99¾ to 98¼
2⅜s series NN Apr 1 1964-65	98¾ to 97
2⅜s series OO Jun 1 1964-65	98½ to 96¾
2⅝s series PP Feb 1 1964-66	99 to 96
3⅜s series QQ Dec 15 1963-66	99⅝ to 97¼
3⅛s series RR Mar 1 1964-67	99¼ to 96
3s series SS May 1 1964-67	99⅛ to 95⅝
3⅛s series TT July 1 1964-67	99⅛ to 95⅜
3¼s series UU Mar 2 1964-68	99⅜ to 95½
3¾s series VV Jun 15 1964-68	99¾ to 97¼
3⅛s series WW Jan 15 1964-69	99⅜ to 93¾
2¾s series XX Mar 15 1964-69	99 to 91¾
2⅞s series YY Jan 1 1964-70	99¼ to 91⅛
3s series ZZ Feb 1 1964-70	99¼ to 91¾
3¼s series A Jun 15 1964-70	99¼ to 92⅞
3⅜s series B Sep 1 1963-70	99¾ to 93½
3½s series C Jan 1 1964-71	100⅛ to 100
3⅝s series D Apr 15 1964-71	99⅜ to 93
3⅝s series E Jun 1 1964-71	99⅝ to 94⅝
3¾s series F (1st instal) Aug 15 1963-71	99¾ to 95⅜
4⅛s series F (final instal) Aug 15 1963-71	99⅞ to 97¼
4½s series G Jan 15 1964-72	100⅛ to 100⅛
4½s series H Jun 1 1964-72	100⅜ to 100⅛
4½s series I Sep 1 1963-72	99⅞ to 100⅛
3⅝s series J Jan 15 1964-73	99⅝ to 93⅜
4¼s series K Sep 1 1963-73	99⅞ to 98⅛
4¾s series L Aug 1 1963-74	99⅞ to 101½
5⅛s series M Oct 15 1963-74	100⅛ to 105¼
5s ser N (1st part) Jun 1 '64-75	100⅞ to 104⅜
4¼s series N (2nd part) Jun 1 1964-75	100⅛ to 97½
4⅜s series O Feb 1 1964-76	100 to 98⅝
4¼s series P May 1 1964-76	100⅛ to 97⅜
4s series Q May 1 1964-77	100 to 94½
4s series R Jan 1 1964-78	99⅞ to 94½
4s series S (1st inst) May 1-Nov 1 1963-1978	99⅞ to 94⅜
4⅛s series S (2nd & final) May 1-Nov 1 1963-1978	100⅞ to 98⅜

	June 30, 1963 Bid Price
Monon Railroad—	
4¼s (1st 1956) Nov 15 1963-71	99⅞ to 95¼
Nashville Chatt & St Louis Ry—	
2⅝s series E Feb 1 1964	99 --
2¼s series F May 1 1964-65	98¾ to 96⅞
2½s series G Feb 1 1964 67	99⅛ to 94½
2⅞s series H Dec 15 1963-67	99½ to 94¾
New York Central RR—	
2⅝s of 1949 Jan 1 1964	99 --
2⅝s (2nd 1949) Mar 15 1964	98¾ --
2⅝s (3rd 1949) May 15 1964	98½ --
2¾s (4th 1949) July 15 1964	98½ --
2¾s (5th 1949) Oct 1 1963-64	99½ to 98¼
2¾s of 1950 Jan 1 1964-65	99⅛ to 97¾
2¾s (2nd 1950) Jun 15 1964-65	98½ to 97⅛
2¾s (3rd 1950) Nov 15 1963-65	99⅜ to 96⅝
2¾s of 1951 Jan 1 1964-66	99⅛ to 96⅛
3⅜s (2nd 1951) Dec 1 1963-66	99⅝ to 97
3⅜s of 1952 Feb 1 1964-67	99⅜ to 96½
3⅛s (2nd 1952) May 15 1964-67	99 to 95⅝
3¼s (3rd 1952) Aug 15 1963-67	99⅝ to 95⅝
3⅛s of 1953 Jan 1 1964-68	99¼ to 94⅜
3⅝s (2nd 1953) Mar 15 1964-68	99½ to 96¼
3⅝s of 1955 Sep 15 1963-70	99¾ to 93½
4¾s of 1957 Jan 1 1964-72	100⅛ to 98⅞
4⅜s (2nd 1957) Apr 1 1964-72	100 to 96⅜
5s (3rd 1957) Sep 16 1963-72	100 to 100¾
5¼s of 1960 Jun 1 1964-75	100⅞ to 101⅞
4¾s of 1961 Feb 15 1964-76	100⅛ to 97½
4⅞s (2nd 1961) Jun 1 1964-76	100½ to 98⅝
4¼s of 1963 June 15 1964-78	100¾ to 97¼
N Y Chicago & St Louis RR—	
2s of 1949 Apr 15-Oct 15 1963-64	99¼ to 98⅛
2½s of 1950 Jun 15-Dec 15 1963-65	99¼ to 96¾
3s of 1951 Jan 15-July 15 1964-66	99¼ to 97⅛
3⅛s of 1952 Jan 1-July 1 1964-67	99⅜ to 96½
2⅞s of 1953 Oct 1 1963-67	99⅝ to 95⅛
3⅜s (2nd 1953) Dec 15 1963-67	99¾ to 97
3¾s (3rd 1953) July 15 1964-68	99⅞ to 97⅞
2⅝s of 1954 Sep 1 1963-68	99⅝ to 92⅞
2½s (2nd of 1954) May 1-Nov 1 1963-69	99½ to 90⅞
2⅞s of 1955 Jun 15-Dec 15 1963-70	99½ to 91½
3⅜s of 1956 Jun 1-Dec 1 1963-71	99¾ to 93¾
3⅜s (2nd of 1956) Feb 1-Aug 1 1963-71	99⅞ to 93⅞
3¾s of 1957 Mar 15-Sep 15 1963-72	99⅞ to 95⅝
3⅝s of 1958 Feb 15-Aug 15 1963-73	99⅞ to 94¼
4⅛s of 1959 Jan 15-July 15 1964-74	100⅛ to 97⅝
4⅜s of '60 May 1-Nov 1 1963-75	100 to 97⅞
4⅛s of '62 Feb 15-Aug 15 '63-72	99¾ to 98⅜
4⅛s (2d '62) Mar 1-Sep 1 '63-72	99⅞ to 98⅜
N Y New Haven & Hartford RR—	
2½s (2nd 1948) Aug 1 1963	97½ --
2¼s (1st 1949) Feb 15 1964	95¼ --
2¼s (2nd 1949) Dec 1 1963-64	94½ to 93
3½s (1st 1953) May 1 1964-68	98½ to 66
3¾s series A (1st 1954) Jan 1 1964-69	96½ to 67½
3s series B (1954 No 1) Jan 1 1964-69	95 to 60¾
3s (1954 No 2) Oct 1 1963-69	96½ to 57½
3s (1955 No 1) Jan 1 1964-70	95 to 56
4⅝s (1956 No 1) July 1 1964-71	95 to 59¼
5⅛s (1956 No 2) May 1 1964-71	99 to 62¼
Norfolk & Western Ry—	
3⅝s series A (1st & 2nd instal) Feb 1-Aug 1 1963-72	99¾ to 95¾
3½s series A (3rd instal) Feb 1-Aug 1 1963-72	99¾ to 93⅞
4⅛s series B (3rd part) Jun 1-Dec 1 1963-72	100 to 98⅜
4¼s series B (3rd part) Jun 1-Dec 1 1963-72	100⅛ to 99⅜
4⅜s series C (1st part) May 1-Nov 1 1963-72	100 to 100⅜
3⅞s series C (2nd part) May 1-Nov 1 1963-72	99⅞ to 96⅝
3⅜s series C (3rd & final 1958) May 1-Nov 1 1963-72	99¾ to 92⅞
3¼s series D (1st instal) Apr 1-Oct 1 1963-73	99⅝ to 91⅜
3⅞s ser D (2nd & final instal) Apr 1-Oct 1 1963-73	99⅞ to 96⅜
4s series E (1st instal) Apr 1-Oct 1 1963-73	99⅞ to 97⅜
3⅞s series E (2nd instal) Apr 1-Oct 1 1963-73	99⅞ to 96⅝
3⅞s series F (1st instal) May 1-Nov 1 1963-73	99⅞ to 96⅜
4s series F (2nd instal) May 1-Nov 1 1963-73	99⅞ to 97⅜
4⅛s series G (1st instal) Apr 1-Oct 1 1963-74	99⅞ to 98¼
4½s series G (2nd instal) Apr 1-Oct 1 1963-74	100 to 101⅜
4⅛s series H Aug 1 1963-76	99⅞ to 97⅝
3⅞s series I Jan 1 1964-78	100⅛ to 95⅛
4s series J May 1 1964-78	100⅛ to 96¼
4s series K July 1 1964-1978	100¼ to 94½

a Called for redemption, see page 94. b Basis. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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	June 30, 1963 Bid Price
Northern Pacific Ry—	
2⅜s of 1949 Mar 15 1964	98⅞ --
2⅜s (2nd 1949) Jun 15 1964	98⅝ --
2⅛s (3rd 1949) Nov 1 1963-64	99¼ to 97¾
2¾s of 1951 Mar 30 1964-66	99⅛ to 96⅝
3s (2nd 1951) Nov 30 1963-66	99⅜ to 96⅝
2⅞s of 1952 Dec 16 1963-67	99½ to 95
2⅝s of 1954 May 14 1964-69	98⅞ to 91⅞
2¾s (2nd 1954) Aug 10 1963-69	99⅝ to 92¼
2¾s of 1955 Jan 18 1964-70	99⅜ to 91⅝
3s (2nd 1955) Jun 16 1964-70	99⅛ to 92⅝
3s (3rd 1955) July 14 1964-70	99⅛ to 92½
3¼s (4th 1955) Dec 20 1963-70	99⅝ to 93⅝
3⅛s of 1956 Feb 16 1964-71	99⅝ to 92½
3½s (2nd 1956) July 12 1964-71	99⅝ to 94⅝
4⅜s of 1957 Jan 17 1964-72	100⅛ to 100⅜
4½s (2nd 1957) Jun 12 1964-72	100⅝ to 101
3⅞s of 1958 Jan 9 1964-73	99⅞ to 96⅜
3⅝s (2nd 1958) May 8 1964-73	99¾ to 94⅜
4⅜s of 1959 Mar 12 1964-74	100⅜ to 99⅞
4¾s (2nd 1959) July 30 1964-74	100⅞ to 103¼
4⅞s of 1960 Jan 7 1964-75	100⅜ to 104⅛
4¼s (2nd 1960) Apr 28 1964-75	100¼ to 98⅞
3⅞s (3rd 1960) Sep 15 1963-75	99⅞ to 95⅜
4¼s of 1961 Aug 23 1963-76	99⅞ to 98¾
3⅞s of 1962 Jun 14 1964-77	100 to 95
3⅞s of 1963 Jan 10 1964-78	99⅞ to 95⅛
Pennsylvania RR—	
2½s series V Nov 1 1963	99¼ --
2½s series W Nov 1 1963	99¼ --
2½s series X May 1 1964	98¾ --
2¼s series Y Jan 1 1964-65	99 to 97¼
2¼s (Z 2nd) Apr 1 1964-65	98⅝ to 96¾
2½s (Z 2nd) Apr 1 1964-65	98¾ to 96¼
3s series AA (1st part) Mar 1 1964-68	99¼ to 94⅛
3⅛s series AA (2nd part) Mar 1 1964-68	99¼ to 94¾
2¾s series BB Feb 1 1964-69	99⅛ to 91⅞
2¾s series CC Feb 1 1964-70	99⅛ to 90¼
3⅛s series DD Nov 1 1963-70	99⅝ to 91¾
3¼s series EE Jan 1 1964-71	99½ to 92½
3⅛s series FF (1st instal) Apr 1-Oct 1 1963-71	99⅝ to 91¼
3¾s series FF (2nd instal) Apr 1-Oct 1 1963-71	99¾ to 95⅜
4⅛s series GG Jan 1-July 1 1964-72	100 to 97¾
3¾s series HH Apr 1-Oct 1 1963-72	99¾ to 95
4¼s ser II Jun 1-Dec 1 1963-72	100 to 98⅝
Peoria & Eastern Ry—	
2⅞s of 1950 Nov 15 1963-65	99½ to 97⅛
Pittsburgh & Lake Erie RR—	
3s (2nd 1951) Nov 15 1963-66	99⅝ to 96⅝
2¾s of 1952 Apr 15 1964-67	99 to 95⅛
3s (2nd 1952) Aug 1 1963-67	99⅝ to 95¾
3¼s of 1953 Sep 1 1963-68	99⅝ to 95⅞
3⅞s of 1956 Nov 15 1963-71	99⅞ to 97⅛
3¾s of 1957 Feb 15 1964-72	99¾ ot 95¾
3⅝s (2nd 1957) Apr 15 1964-72	99¾ to 94½
4¼s (3rd 1957) Aug 15 1963-72	99⅞ to 99⅜
4¼s (4th 1957) Nov 1 1963-72	100 to 99⅜
3½s of 1958 Feb 1 1964-73	99⅝ to 93
3s (2nd 1958) May 15 1964-73	99¼ to 89
4s (3rd 1958) Oct 15 1963-73	99⅞ to 97¼
4¼s of 1959 May 1 1964-74	100¼ to 98⅞
4⅝s (2nd 1959) Sep 15 1963-74	100 to 102⅛
4s of 1960 Oct 1 1963-75	99⅞ to 96¼
Reading Co—	
2⅛s series R Apr 15-Oct 15 1963-65	99¼ to 95⅝
2¼s series S Jun 15-Dec 15 1963-65	99 to 95⅝
2⅞s series T Apr 15-Oct 15 1963-67	99⅜ to 93¾
3½s series U Jun 1-Dec 1 1963-68	99⅝ to 94⅞
3½s series V Apr 1-Oct 1 1963-68	99⅝ to 88⅝
2⅞s series W Feb 1-Aug 1 1963-70	99⅝ to 89⅝
3¼s series X Apr 1-Oct 1 1963-70	99⅜ to 88½
3⅝s series Y (1st instal) May 15-Nov 15 1963-71	99⅝ --
4s series Y (2nd instal) May 15-Nov 15 1963-71	99¾ to 93¾
4⅛s series Z (1st instal) Jan 1-July 1 1964-72	99¾ to 93⅞
4¼s series Z (2nd instal) Jan 1-July 1 1964-72	99⅞ to 94½
St. Louis Brownsville & Mex Ry—	
2⅜s series CC Aug 15 1963-64	99⅝ to 98¼
2⅜s series DD Apr 1 1964-65	98¾ to 97
2¾s series FF Mar 15 1964-69	99 to 91¾

	June 30, 1963 Bid Price
St Louis-San Francisco Ry—	
2½s series C Nov 1 1963	99⅜ --
2½s series D Mar 15 1964	98⅝ --
2¼s series E Dec 1 1963-64	99¼ to 97⅝
2¼s series F May 1 1964-65	98½ to 96⅝
2⅜s series H Dec 1 1963-65	99¼ to 96
2⅞s series I Aug 1 1963-66	99¾ to 96¼
3⅛s series J Dec 15 1963-66	99⅝ to 96⅞
2⅞s series K Dec 1 1963-67	99½ to 94⅝
3⅜s series L Jun 1 1964-68	99⅜ to 96
3s series M Jan 1 1964-69	99⅜ to 93¾
Seaboard Air Line Ry—	
2⅝s series D Sept 1 1963	99⅝ --
2½s series E Jan 1 1964	99⅛ --
2⅜s series F June 1 1964	98⅝ --
2⅛s series G Apr 1 1964-65	98⅝ to 96¾
2⅜s series H Sept 1 1963-65	99⅝ to 96⅝
2½s series I Feb 1 1964-66	99⅛ to 96
2¾s series J Apr 1-Oct 1 1963-66	99⅝ to 96¼
3s series K May 15-Nov 15 1963-66	99⅝ to 96⅞
2⅞s series L and M Jun 1-Dec 1 1963-67	99⅝ to 95⅜
3s series N May 15-Nov 15 1963-68	99⅝ to 94⅝
2⅝s series O Jun 1-Dec 1 1963-69	99⅜ to 91½
3s series P (1st part) Nov 1 1963-1970	99⅝ to 92¼
2⅞s series P (2nd part) Nov 1 1963-1970	99⅝ to 91⅜
3¾s series Q (1st instal) Oct 1 1963-71	99⅞ to 96¼
4s series Q (2nd instal) Oct 1 1963-71	99⅞ to 98
4¼s series R (1st & 2nd instal) Aug 1 1963-72	99⅞ to 99⅜
3⅜s series R (3rd & final) Aug 1 1963-72	99¾ to 94⅜
4½s series S 1st & 2nd instal Jun 1 1964-74	100⅝ to 101
4⅝s series T May 1 1964-75	100⅝ to 102
4⅛s series U Aug 1 1963-75	99⅞ to 97¾
4¼s series V Feb 1 1964-77	100⅛ to 98¾
4s series V (2nd part) Feb 1 1964-77	100⅜ to 96½
3⅞s series W Feb 1 1964-78	99⅞ to 95¼
4s series W (2nd part) Feb 1 1964-78	100⅜ to 96½
Southern Pacific Co—	
2⅜s series AA Apr 1 1964	98⅞ --
2⅜s series BB July 1 1964	98½ --
2⅛s series CC Nov 1 1963-64	99¼ to 97¾
2⅛s series DD Jan 1 1964-65	99 to 97⅛
2⅞s series EE Apr 1 1964-66	99⅛ to 96⅞
3⅛s series FF July 1 1964-66	99¼ to 97⅜
2¾s series GG Sep 1 1963-66	99⅝ to 96
3⅝s series JJ July 1 1964-68	99¾ to 97⅝
3⅜s series KK Sep 1 1963-68	99¾ to 96⅜
3s series LL Nov 1 1963-68	99⅝ to 94⅜
2¾s series MM Jan 1 1964-69	99¼ to 92⅞
2⅝s series NN Apr 1 1964-69	99 to 92
2⅝s series OO Sep 1 1963-69	99⅝ to 91⅝
2¾s series PP Dec 1 1963-69	99⅝ to 91⅞
2⅞s series QQ Mar 1 1964-70	99¼ to 92⅛
3⅛s series RR Sep 1 1963-70	99⅝ to 93⅛
3¼s series SS Jan 1 1964-71	99⅝ to 93⅜
3½s series TT May 1 1964-71	99⅝ to 94⅝
3⅝s series UU Aug 1 1963-71	99¾ to 95½
4s series VV Nov 1 1963-71	99⅞ to 98
4¼s series WW Jan 1 1964-72	100⅛ to 99⅜
4½s series XX Jun 1 1964-72	100⅝ to 100⅜
4½s series YY Aug 1 1963-72	99⅞ to 101¼
4½s series ZZ Oct 1 1963-72	100 to 101¼
3½s series No 1 Dec 1 1963-72	99⅞ to 93⅝
3¼s series No 2 Mar 1 1964-73	99⅝ to 91½
4⅛s series No 3 Feb 1 1964-74	100 to 97⅞
4¼s series No 4 Mar 1 1964-74	100⅛ to 97⅞
4⅝s series No 5 Jun 1 1964-74	100⅝ to 102⅛
4¾s series No 6 Aug 1 1963-74	99⅞ to 103⅛
4⅞s series No 7 Nov 1 1963-74	100¼ to 104½
4¾s series No 8 Feb 1 1964-75	100⅜ to 103
4¼s series No 9 Jun 1 1964-75	100¼ to 98½
4⅛s series No 10 Aug 1 1963-75	99¾ to 97½
4¼s series No 11 Feb 1 1964-76	100⅛ to 98⅞
4s series No 12 Mar 1 1964-76	100 to 96¾
4¼s series No 13 Jun 1 1964-76	100¼ to 98¼
4⅞s series No 14 Dec 1 1963-76	100⅛ to 98⅞
4⅜s series No 15 Feb 1 1964-77	100⅛ to 100
4s series No 16 Mar 1 1964-77	100 to 96⅝
4s series No 17 Jun 1 1964-77	100⅛ to 95⅞
3⅞s series No 18 Sep 1 1963-77	99¾ to 95¼
3⅞s series No 19 Jan 1 1964-78	99⅞ to 95¼
4s series No 20 Mar 1 1964-78	100 to 96
4s series No 21 May 1 1964-78	100½ to 97¼
Southern Ry—	
2⅜s series QQ April 1-Oct 1 1963-64	99½ to 98⅝
2½s series RR Jun 15-Dec 15 1963-64	99¼ to 98½
2⅞s series SS Mar 15-Sept 15 1963-67	99⅝ to 95½
3s series TT Feb 1-Aug 1 1963-68	99⅝ to 95
4⅛s series UU (1st instal) Jan 15-July 15 1964-67	100⅛ to 99⅞
3¾s series UU (2nd instal) Jan 15-July 15 1964-67	99¾ to 99
4¼s series VV (1st instal) Apr 15-Oct 15 1963-76	100 to 98⅞
4⅛s series VV (2nd instal) April 15-Oct 15 1963-76	99⅞ to 95¾
4s series WW Apr 16-Oct 16 1963-77	99⅞ to 95¾
4¼s series YY Jan 2-July 2 1964-77	100⅛ to 98½
4⅛s series YY (2nd instal) Jan 2-July 2 1964-77	100¼ to 97⅛
4s series ZZ (1st inst) Feb 15-Aug 15 1963-1978	99¼ to 95⅞
4s series ZZ (2nd instal)— Feb 15-Aug 15 1963-1978	99¾ to 95⅞

	June 30, 1963 Bid Price
Spokane Portland & Seattle Ry—	
2⅜s of 1949 Apr 1 1964	98⅞ --
3¾s of 1957 Apr 1-Oct 1 '63-72	99¾ to 95¼
Texas & Pacific Ry—	
2⅛s series P Jan 1 1964-65	98⅞ to 97
3s series R Jan 1 1964-66	99¼ to 97⅛
3s series S April 1 1964-68	99⅛ to 94⅝
3⅞s series T Apr 1 1964-69	99¾ to 97⅞
4½s series U May 1 1964-75	100¼ to 100⅛
4⅛s series V 1964-1978	100⅝ to 98⅞
Virginian Ry—	
2⅝s series B July 1 1964-67	98¾ to 94¼
2⅞s series C Feb 1 1964-68	99¼ to 94⅞
2¾s series D Feb 1 1964-69	99¼ to 93
3¾s series E Oct 1 1963-71	99¾ to 96¼
3¾s series F (1st instal) April 15 1964-72	99⅞ to 95¾
Wabash Ry—	
2¼s (1st B) Mar 1 1964	98⅞ --
2s (2nd B) Mar 1 1964	98⅝ --
1⅞s (3rd pt) Mar 1 1964	98½ --
2⅛s (1st C) Jun 1 1964-65	98¼ to 96¼
2⅜s (2nd C) Jun 1 1964-65	98¼ to 96¾
2¾s series D Jan 1-July 1 1964-68	99 to 93⅝
3⅛s series E Sept 1 1963-68	99¾ to 93¾
2¾s series F May 1 1964-70	98⅞ to 90⅝
3s series G April 1 1964-71	99⅛ to 90⅞
4s series H (1st instal) Jan 15 1964-72	99⅞ to 96⅞
4½s series H (2nd instal) Jan 15 1964-72	100⅛ to 100½
4¼s series I Oct 1 1963-72	99⅞ to 98⅝
4⅞s series J Sept 1 1963-74	100 to 103⅜
Western Maryland Ry—	
2¼s series N Mar 15 1964-65	98⅞ to 96⅞
2⅜s series O Oct 31 1963-65	99⅜ to 96¼
3s series P July 1 1964-66	99⅛ to 97
3⅜s series Q Jun 15 1964-68	99⅛ to 96¼
3s series R Dec 15 1963-68	99⅝ to 94⅛
3⅜s series S Jun 1 1964-71	99½ to 93⅝
3⅞s series T Oct 1 1963-71	99⅞ to 96¾
3¾s series U May 1 1964-72	99⅞ to 95⅜
4½s series V July 15 1964-75	100⅝ to 100⅝
Wisconsin Central Ry—	
4s series D Jun 1-Dec 1 1963-68	100 to 98¾
4⅞s series E Apr 1-Oct 1 1963-72	100 to 103¼
4¾s series F Apr 1 Oct 1 1963-73	100 to 102⅛

OVER-THE-COUNTER RAILROAD STOCKS	Par	Bid	Ask
Values as of July 31, 1963			
Akron Canton & Youngstown	*	40	43
Alabama Great Southern—			
Ordinary	50	90	94
6% participating preferred	50	90	94
Albany & Vermont gtd	100	44	48
Atlanta & West Point	100	53	60
Certificates or participating		1½	3½
Baltimore & Cumberland Valley RR Extension Co guaranteed	50	55	58
Bessemer and Lake Erie RR—			
$1.50 preferred	50	36	--
$3 preferred	50	71	--
Boston & Albany (gtd N Y C)	100	141	145
Central RR Co of N J	50	19	21
Chicago Burlington & Quincy	100	148	153
Cincinnati Inter-Terminal—			
4% preferred gtd	100	78	--
Cinc New Orl & Texas Pacific—			
Common	20	98	--
5% preferred	100	98	--
Clearfield & Mahoning gtd	50	48	52
Cleve Cinc Chicago & St Louis—			
Common gtd	100	150	160
5% non-cum preferred gtd	100	76	80
Colorado & Southern common	100	23	26
Consol Rys of Cuba 6% pfd	100	3	3½
Cuba RR 6% non-cum pfd	100	1⅝	2
Dayton & Michigan common gtd	50	28	30
8% preferred gtd	50	70	73
Delaware & Bound Brook gtd	25	33	35
Delaware (gtd Penn)	25	37	40
Detroit Manufacturers gtd	100	60	--
Dover & Rockaway gtd	100	70	75
East Pennsylvania gtd	50	50	55
Elmira & Williamsport com gtd	50	37	40
Preferred gtd	50	55	59
Erie & Kalamazoo gtd	50	42	45
First RR & Banking	1	16½	17½
Ft Dodge Des Moines & Sth Ry	10	4¼	4⅝
Fort Wayne & Jackson RR—			
5½% preferred gtd	100	86	90
Genesee & Wyoming	100	200	210
Green Bay & Western	100	77	82
Hudson & Manhattan RR Co—			
Class B	10	49	52

*No par value. a Called for redemption, see page 94. f Flat price. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Kalamazoo Allegan & Grand Rapids RR	100	84	88
Kan Okla & Gulf Ry 6% pfd A	100	86	90
Lake Superior & Ishpeming	20	25½	27
Little Miami original gtd	50	70	73
Special gtd betterment stock	50	34½	36½
Louisville Henderson & St Louis—			
5% non-cumulative preferred	100	97	101
Mahoning Coal RR common	50	565	625
5% pfd (gtd N Y Central)	50	45	50
Maine Central common	100	37	39
5% preferred	100	93	--
Massawippi Valley gtd	100	100	103
Michigan Central gtd	100	650	750
Mississippi Central	100	7	8
Missouri Pacific RR Co—			
Reorganization Issues—			
Class B	*	560	600
Mobile & Birmingham—			
4% non-cum preferred gtd	100	75	80
Nashville & Decatur—			
Original (gtd L & N)	25	35	38
Unstamped (gtd L & N)	25	35	38
N Y New Haven & Hartford RR—			
Common	100	1¼	1½
5% series A preferred	100	1⅝	1⅞
N Y Susquehanna & Western—			
Common vtc	*	28	--
5% preferred	100	25	--
North Carolina (gtd Sou RR)	100	140	145
Northern RR of N H gtd	100	78	83
Norwich & Worcester pfd gtd	100	40	50
Ontario & Quebec gtd	100	100	104
Peoria & Bureau Valley gtd	100	90	--
Philadelphia Germantown & Norristown RR gtd	50	97	101
Phila & Trenton (gtd Pa RR)	100	185	195
Piedmont & Northern	100	121	--
Pittsburgh Fort Wayne & Chicago common gtd	100	125	135
Pittsfield & North Adams gtd	100	65	70
Providence & Worcester gtd	100	50	60
Richmond Fredericksburg & Potomac RR common	25	110	--
Dividend obligations	25	110	--
6% guaranteed	25	110	--
7% guaranteed	25	110	--
Roch & Genesee Valley RR gtd	100	50	60
Rutland & Whitehall gtd	100	53	57
St Louis Southwestern Ry com	100	700	--
5% non-cum preferred	100	137	--
Saratoga & Schenectady gtd	100	93	98
Stony Brook gtd	100	65	68
Tennessee Ala & Georgia vtc	5	19	22
Tennessee Central Ry common	5	26	27½
7% convertible preferred	100	65	--
Texas & Pacific Ry	100	88	92
Troy & Gr'bush (gtd N Y Cent)	50	44	48
Vermont & Mass gtd	100	81	84
Wabash RR common	*	75	--
Ware River RR	100	105	110
West Jersey & Seashore gtd	50	53	--
Western Maryland RR—			
7% 1st preferred	40	50	--
5% 1st preferred	12	7	10
Western Ry of Alabama	100	66	70

EXCHANGE SEATS

NOTE: The last sale published below does not necessarily indicate that the transaction has been consummated.

	No.	Last Sale $	Bid $	Ask $
Amer Stock Exchange	‡560	65,000	56,000	65,000
N Y Cocoa Exchange	183	9,000	6,100	9,000
Commodity Exchange	408	1,300	1,000	1,300
N Y Coffee Sug Ex	337	3,100	1,900	4,200
N Y Cotton Exchange	450	950	800	950
N Y Mercantile Exch	401	1,825	1,300	2,200
N Y Produce Exch	645	850	800	850
N Y Stock Exchange	1,366	170,000	170,000	195,000
Boston Stock Exch	97	1,500	1,000	2,250
Canadian Stock Exch	94	r9,900	----	9,500
Chicago Bd of Trade	1,403	8,800	----	----
Chicago Merc Exch	500	3,000	2,700	3,300
Cincinnati Stock Exch				
Regular membership	12	8,000	----	----
Limited membership	11	1,000	----	----
Detroit Stock Exch	54	3,750	----	4,100
Kans City (Bd of Tr)	211	5,000	----	----
Memphis Cotton Exch	175	3,500	----	----
Midwest Stock Exch	400	10,500	----	10,500
Minn Grain Exchange	483	125	----	125
Montreal Stock Exch	79	r40,000	----	45,000
New Orl Cotton Exch	480	950	950	----
Pacific Coast Stk Exc				
Los Angeles division	80	7,000	----	10,000
San Fran division	80	5,500	----	6,000
Phila-Balt-Wash Stock Exchange	200	8,500	6,000	8,000
Pittsburgh Stock Ex	59	100	----	300
Salt Lake Stock Exch	42	750	----	----
Spokane Stock Exch	11	250	250	500
Toronto Stock Exch	113	r101,000	----	----
Winnipeg Grain Exch	435	r400	----	400

*No par value. ‡560 regular members and 330 associate members. a Called for redemption, see gage 94. b Basis. f Flat price. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend.

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Public Utilities

(Includes street and electric railways, gas, electric power, water, telegraph, telephone and bridge companies)

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

Bonds—	Bid	Ask
OVER-THE-COUNTER PUBLIC UTILITY BONDS		
Alabama Gas 3⅛s ser A 1971 A-O	91½	--
1st mtge 3½s ser C 1971 A-O	94⅛	--
Alabama Power Co—		
1st mtge 3¼s 1977 A-O	88	--
1st mtge 3⅜s 1978 J-D	89½	--
1st mtge 3¼s 1981 M-S	86½	--
1st mtge 3⅜s 1982 A-O	87½	--
1st mtge 4⅛s 1983 M-N	97	--
1st mtge 3½s 1985 J-D	87½	--
1st mtge 3½s 1986 M-S	87¼	--
1st mtge 4⅝s 1987 M-N	103	--
1st mtge 3⅞s 1988 J-J	92½	--
1st mtge 4⅞s 1989 M-N	104¼	--
1st mtge 5s 1990 A-O	105	--
1st mtge 4½s 1991 M-S	101½	--
1st mtge 4⅜s 1992 J-D	99¾	--
1st mtge 4⅜s 1993 M-N	99⅞	--
Albia Light & Ry 4s 1971 J-J	72½	--
American Gas Co units	25	25¾
American Gas & Elec 3⅜s '77 J-D	89¼	--
American Telephone & Teleg—		
2¾s debentures 1970 J-D	90½	--
32 year 4¾s debs 1992 M-N	105¼	--
37 year 4¾s debs 1998 J-D	105¾	--
32 year 4⅝s debs 1994 F-A	104	106
34 year 4⅜s debs 1996 A-O	100½	--
6-year 4⅜s debentures 1999 M-N	100⅛	--
Appalachian Electric Power—		
1st mtge 3⅛s 1977 J-D	87¼	--
1st mtge 2⅞s 1980 M-S	82½	--
1st mtge 3¾s 1981 J-D	94	--
1st mtge 3½s 1982 A-O	89	--
1st mtge 3½s 1983 J-D	88¼	--
1st mtge 4⅝s 1987 M-S	102¾	--
Appalachian Power Co—		
1st mtge 4s 1988 M-N	95	--
1st mtge 4⅜s 1992 A-O	100½	--
Debentures 4⅝s 1992 A-O	101½	--
Arkansas Louisiana Gas Co—		
1st mtge 5⅛s 1979 J-D	104½	--
1st mtge 4⅜s 1983 A-O	100½	--
Arkansas Power & Light—		
1st mtge 3⅛s 1974 A-O	89	--
1st mtge 2⅞s 1977 J-J	85	--
1st mtge 3⅛s 1978 F-A	86½	--
1st mtge 2⅞s 1979 A-O	82½	--
1st mtge 2⅞s 1980 J-D	82¼	--
1st mtge 3⅝s 1981 A-O	91	--
1st mtge 3½s 1982 M-S	89	--
1st mtge 3¼s 1984 F-A	84¾	--
1st mtge 3⅜s 1985 A-O	86¼	--
3⅜s s f debentures 1974 M-S	91½	--
1st mtge 4⅞s 1991 M-N	104	--
1st mtge 4⅜s 1993 F-A	99¾	--
Associated Telephone Co Ltd—		
1st 3⅛s series D 1977 M-N	86½	--
1st 2⅞s series F 1979 M-N	82	--
1st mtge 3⅝s series G 1981 A-O	90	--
1st mtge 3¾s series H 1982 A-O	92¼	--
Atlanta Gas Light Co 3s 1963 M-S	100	--
1st mtge 4s 1981 J-J	96	--
1st mtge 4⅜s 1988 M-S	99¾	--
4¾s debentures 1982 F-A	103	--
Atlantic City El 2⅞s ser A '80 M-N	82¼	--
1st mtge 3s 1984 M-S	82¼	--
1st mtge 3¼s 1985 M-S	85	--
1s tmtge 4½s 1987 J-J	102	--
1st mtge 3⅞s 1988 A-O	93	--
1st mtge 4½s 1991 M-S	102	--
1st mtge 4½s 1992 J-J	102	--
1st mtge 4⅜s 1993 M-S	100¼	--
Baltimore Gas & Electric Co—		
1st & ref mtge 4⅞s 1980 J-D	104¾	--
4⅞s s f debentures 1986 J-D	105¼	--
1st & ref mtge 4⅜s 1992 J-J	100½	--
Baltimore Transit Co—		
Debs 4s series A 1975 J-J	f98	--
Debs 5s series A 1975 J-J	f98	--
Bell Telephone of Canada—		
3s series E 1977 M-S	73	75
3¼s series F 1973 F-A	78	80
4½s series J 1967 J-D	98	99
3¾s series K 1979 M-N	85	86
4s series L 1970 J-D	93	94
4s series M 1981 J-D	85½	86½
6¼s series R Jan 2 1978	96½	98½
6s series U Jan 2 1986	96½	98½
Bell Telep Co of Pennsylvania—		
3s debentures 1974 A-O	88½	--
3¼s debentures 1996 M-S	81⅛	--
3¾s debentures 1989 F-A	91¾	--
4¾s debentures 2001 M-N	105¼	--
4⅜s debentures 2003 F-A	100¼	--
Birmingham Elec Co 3s 1974 F-A	87¾	--
Blackstone Val G & E 3s '73 M-N	88⅛	--
1st mtge & coll tr 4⅛s 1983 M-S	97¾	--
Boston Edison Co—		
1st mtge 2¾s ser B 1980 A-O	81¼	--
1st mtge 3⅛s ser D 1982 J-J	85¼	--
1st mtge 3s ser E 1984 F-A	82¼	--
1st mtge 4⅝s ser F 1987 J-D	103½	--
1st mtge 4¼s ser H 1992 J-D	99¾	--
Brazilian Traction Light & Power		
4½s 1971 M-S	64	69
British Columbia Electric Co Ltd—		
3¼s series A 1967 J-J	94	--
3¼s series B 1967 A-O	89½	90½
3¾s series C 1968 A-O	94	95
3¾s series D 1969 F-A	90½	91½
4¼s series K 1981 F-A	87	--
5s series L 1982 F-A	93	94
5⅛s series M 1988 J-J	95	96
5½s series N 1989 M-S	97½	98½
5¾s series A 1977 A-O	101	102
Brockton Edison Co—		
1st M & coll tr 3s 1978 M-S	85¼	--
1st M & coll tr 3⅜s 1985 J-D	86½	--
1st M & coll tr 4⅝s 1987 M-S	103½	--
1st M & coll tr 5¼s 1989 A-O	106	--
California Electric Power—		
1st mtge 3s 1978 J-D	85	--
1st mtge 2⅞s 1980 J-D	82	--
1st mtge 3¼s 1984 M-N	84½	--
1st mtge 3⅝s 1985 M-S	88¾	--
1st mtge 4½s 1986 A-O	101¼	--
1st mtge 4⅝s 1987 A-O	102¾	--
1st mtge 4½s 1988 M-S	101½	--
1st mtge 5⅛s 1990 M-N	105¼	--
1st mtge 5s 1991 J-J	104¾	--
California-Pacific Utilities—		
1st 3¼s series B 1971 F-A	92¼	--
California Water Service—		
1st mtge 3¼s ser C 1975 M-N	89¼	--
Cambridge Electric Light Co—		
2⅞s notes series A 1974 A-O	86½	--
3⅞s notes series B 1988 J-J	93¼	--
Canada Electric Co Ltd—		
1st s f 3½s series A 1967 F-A	93	--
1st 4s series B 1968 F-A	92½	--
Gen s f 4½s series B 1972 M-N	91	--
Carolina Pwr & Light 2⅞s '81 F-A	81½	--
1st mtge 3½s 1982 A-O	88½	--
1st mtge 4⅛s 1988 M-S	97¼	--
1st mtge 4½s 1991 M-N	101⅞	--
1st mtge 4⅞s 1990 A-O	104½	--
Cascade Natural Gas Corp—		
5½s subord debs ww 1983 M-N	109½	--
5½s ex-warrants 1983	102	104
5¼s 1970	120½	122½
Central Electric & Gas Co—		
4¾s conv subord debs 1973 M-N	178	--
5s conv subord debs 1975 J-J	156	--
Central Hudson Gas & El Corp—		
1st mtge 4⅛s 1988 M-N	97¼	--
Central Illinois Elec & Gas Co—		
1st mtge 3s 1975 F-A	87⅞	--
1st mtge 3⅜s 1985 J-D	86½	--
1st mtge 5s 1990 J-J	105¼	--
Central Illinois Light Co—		
1st mtge 2⅝s 1979 J-D	80	--
1st mtge 4⅝s 1987 J-J	103½	--
1st mtge 4s 1988 J-J	95¼	--
4⅞s 1st mtge 1990 M-S	104¾	--
1st mtge 4¼s 1993 M-S	99¾	--
Central Illinois Public Service—		
1st mtge 3⅜s series A 1971 A-O	94	--
1st mtge 3⅜s series B 1977 M-S	89	--
1st mtge 3⅛s series C 1979 J-J	85¼	--
1st mtge 3⅜s series D 1982 F-A	87½	--
1st mtge 3½s series E 1982 M-S	88¼	--
1st mtge 3¼s series F 1984 J-D	85	--
1st mtge 4⅛s series G 1988 F-A	97½	--
1st mtge 4¾s series H 1989 J-J	104½	--
1st mtge 4½s series I 1993 M-N	102⅜	--
2⅞s s f debs 1970 J-D	90¾	--
Central Indiana Gas 2⅞s 1971 M-N	89¼	--
Central Louisiana Electric Co—		
1st mtge 5⅛s series I 1989 A-O	104	--
Central Maine Power Co—		
1st & gen mtge bonds—		
3½s series L 1970 A-O	94½	--
3½s series M 1972 M-S	93½	--
2¾s series N 1976 M-N	84½	--
3⅛s series Q 1978 J-D	86¾	--
3s series R 1979 M-S	84¼	--
2⅞s series S 1979 M-N	82¾	--
3⅝s series T 1981 M-N	90¼	--
3⅝s series U 1983 M-S	89¼	--
3⅜s series V 1985 A-O	86½	--
4⅞s series W 1987 M-N	104¾	--
5¼s series X 1990 M-N	107	--
Central Power & Light Co—		
1st mtge 3⅛s series A 1973 M-N	89⅛	--
1st mtge 3¼s series B 1977 A-O	88	--
1st mtge 3s series C 1980 M-N	83½	--
1st mtge 3½s series D 1982 M-S	89	--
1st mtge 3⅛s series F 1984 A-O	83¼	--
1st mtge 3¼s series G 1986 F-A	84½	--
1st mtge 4s series H 1988 F-A	85¼	--
1st mtge 4¾s series I 1989 A-O	104¾	--
S f debs 2⅞s 1974 J-D	86½	--
Cent Vermont Public Serv Corp—		
1st mtge 2¾s series D 1975 F-A	85	--
1st mtge 2⅞s series F 1980 M-N	82¼	--
1st mtge 3½s series G 1981 F-A	88¾	--
1st mtge 3⅜s series H 1982 M-N	87¾	--
1st mtge 3¼s series K 1984 J-D	84½	--
Charleston Cons Ry Gas & Elec—		
Consol gold 5s 1999 M-S	102	--
Ches & Potomac Telep Co		
of Balt City 3¼s debs 1995 F-A	81¾	--
4⅛s debentures 1993 J-D	97½	--
4⅜s debentures 2002 J-J	100	--
Ches & Potomac Telep Co (Wash D C)—		
4⅜s debentures 1998 F-A	100¼	--
Ches & Potomac Tele Co of W Va—		
5s debentures 2000 M-S	106	--
Chesapeake Utilities Corp—		
6s debentures 1983 J-J	95	98
Cincinnati Gas & Electric—		
1st mtge 5s 1990 M-N	105½	--
1st mtge 4⅜s 1992 J-D	100½	--
Cincinnati & Suburban Bell Telep—		
4½s debentures 1993 A-O	102	--
4⅜s debentures 2002 F-A	100¼	--
Cincinnati Transit Co—		
4½s cum inc debs March 1998	78	82
Citizens Utilities Co 3½s 1972 M-S	93½	--
Cleveland Electric Illuminating—		
All bonds listed NYSE		
Colorado Interstate Gas Co—		
1st mtge pipe line 3.35s 1974	90	--
1st mtge pipe line 4.70s 1979 M-S	102¼	--
Columbia Gas System Inc—		
5⅛s debentures 1986 J-D	104½	--
4½s debentures 1987 J-D	100¼	--
4⅝s debentures 1987 F-A	102¾	--
4⅜s debentures 1987 M-N	99¾	--
4⅜s debentures 1988 J-J	99¾	--
All other issues listed NYSE		
Columbus & South Ohio Electric—		
1st mtge 3¼s 1981 M-S	86½	--
1st mtge 3¼s 1984 A-O	85¼	--
1st mtge 4⅛s 1988 J-J	97¼	--
1st mtge 4⅜s 1992 M-N	100¾	--
Commonwealth Edison Co—		
1st mtge 3¼s series O 1982 J-J	86	--
1st mtge 3s series Q 1984 M-N	82¼	--
1st mtge 3½s series R 1986 J-D	88	--
1 tsmtge 4¼s series S 1987 M-S	99	--
1st mtge 3¾s series T 1988 M-S	91½	--
1st mtge 4⅝s series U 1990 M-S	103	--
3⅛s s f debentures 2004 A-O	78	--
3⅞s s f debentures 2008 J-J	93	--
4⅝s s f debentures 2009 J-J	103	--
4¾s s f debentures 2011 J-D	104¼	--
Community Public Service Co—		
5⅜s series E 1987 J-D	a105	--
1st mtge 5¼s series F 1991 J-D	a104¾	--
1st mtge 4½s series G 1993 J-J	101⅝	--
4⅜s s f debentures 1978 J-D	98	--
Connecticut Light & Power—		
1st & ref M 3s ser I 1974 M-S	88¼	--
1st & ref M 3⅞s ser O 1988 J-J	93¼	--
1st & ref 4⅞s ser P 1990 F-A	104¼	--
Consolidated Edison Co of N Y—		
1st & ref 4⅜s ser X 1992 J-D	100¾	--
All other bonds listed NYSE		
Consolidated Natural Gas Co—		
All bonds listed NYSE		
Consumers Power Co—		
1st mtge 2⅞s 1977 M-S	86	--
1st mtge 3⅛s 1981 A-O	86	--
1st mtge 3¼s 1987 A-O	83¾	--
1st mtge 3s 1984 J-D	82⅛	--
1st mtge 3¼s 1990 F-A	81¾	--
1st mtge 4s 1986 F-A	95½	--
Dallas Power & Light—		
1st mtge 2⅞s 1979 A-O	82¾	--
1st mtge 3½s 1983 M-S	88½	--
3¼s s f debentures 1980 F-A	87	--
1st mtge 3⅛s 1986 F-A	82½	--
1st mtge 4¼s 1986 J-D	99	--
1st mtge 4¼s 1993 F-A	99½	--
Dayton Power & Light Co—		
All bonds listed NYSE		
Delaware Power & Light Co—		
All bonds listed NYSE		
Des Moines Transit Co—		
Income 5s series A 1974	f27	--
Detroit Edison Co—		
All bonds listed NYSE		
Diamond State Telephone Co—		
4¾s debentures 1994 A-O	104½	--
Duke Power Co 2⅞s 1979 F-A	83	--
1st & ref mtge 3¼s 1981 A-O	86¾	--
1st & ref mtge 3s 1975 J-J	88⅛	--
1st & ref 3⅝s 1986 M-N	90¾	--
4⅞s s f debentures 1982 M-S	104¾	--
1st & ref M 4½s 1992 F-A	102¾	104¾
1st & ref M 4¼s ser B 1992 F-A	99¼	--
Duquesne Light Co—		
All bonds listed NYSE		
East Kootenay Power Co—		
3¾s series A 1967 M-N	95	--
East Tennessee Natural Gas—		
5s conv debentures 1968 M-N	105	--
Eastern Lt & Pow 4s A 1965 J-J	97¼	--
Eastern Utilities Associates—		
Coll trust 3⅝s 1979 J-D	89¼	--
Elizabethtown Water Co—		
4⅞s debentures 1992 F-A	104	--
El Paso Electric Co 2¾s 1976 A-O	84½	--
1st mtge 3⅛s 1984 M-S	83¼	--
1st mtge 4¼s 1988 J-J	99	--
4½s s f debentures 1978 J-J	102¼	--
1st mtge 4⅝s 1992 F-A	102¾	--
El Paso Natural Gas Co—		
5¼s conv debs 1977 M-S	108¾	110¾
Emp Dist Electric Co 3½s 1969 M-S	95	--
Equitable Gas Co 3¼s 1973 J-J	91	--
3⅜s s f debs 1970 M-S	93	--
Fall River El Lt 3¾s 1983 J-J	92¼	--
1st mtge & coll tr 4⅜s 1988 A-O	100⅛	--
Florida Power Corp 3⅜s 1974 J-J	91	--
1st mtge 3¼s 1978 M-N	87¾	--
1st mtge 3⅜s 1982 M-N	87¾	--
1st mtge 3⅛s 1984 J-J	83¼	--
1st mtge 3⅞s 1986 J-J	93¼	--
1st mtge 4⅛s 1988 J-J	97¾	--
1st mtge 4¾s 1990 A-O	104¼	--
1st mtge 4¼s 1992 M-N	99	--

a Called for redemption, see page 94. b Basis. e Ex-interest. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

Bonds—		Ask
Florida Power & Light Co—		
1st mtge 3½s 1974 J-J	93¼	--
3¼s s f debs 1972 J-J	92	--
1st mtge 3⅞s 1983 A-O	93¾	--
1st mtge 3⅛s 1984 M-N	83¼	--
1st mtge 4⅜s 1986 J-D	100½	--
1st mtge 4⅛s 1988 A-O	97¾	--
1st mtge 5s 1989 J-D	105	--
1st mtge 4½s 1992 F-A	102¼	--
Florida Water & Utilities Co—		
5½s conv subord debs 1982 F-A	n98	102
Fort Worth Transit 4½s 1973 J-J	89	--
Gatineau Power Co—		
1st mtge 3s series C 1970 J-D	88	91
3¼s series D 1970 J-D	83	85
General Telephone & Electronics—		
4⅞s s f debentures 1987	104½	--
4½s s f debs 1988 M-S	100¼	--
General Telephone Co of Calif—		
4½s series J 1986 M-S	101½	--
1st mtge 5s series K 1987 J-D	103¾	--
1st mtge 4⅛s series L 1988 M-S	96½	--
1st mtge 5s series M 1989 J-D	105	--
1st mtge 4⅝s series N 1991 J-D	103	--
1st mtge 4⅜s series O 1993 M-N	99½	--
General Telephone Co of Florida—		
1st mtge 5s series G 1990 M-S	104½	--
1st mtge 4⅝s series H 1991 M-N	102½	--
Georgia Power Co—		
1st mortgage 3⅜s 1977 J-D	90	--
1st mortgage 2⅞s 1980 A-O	81¼	--
1st mortgage 3½s 1981 J-D	88¾	--
1st mortgage 3⅜s 1982 J-J	87¼	--
1st mortgage 3⅛s 1984 A-O	82½	--
1st mortgage 3⅜s 1985 M-N	86	--
1st mortgage 3⅝s 1986 A-O	88½	--
1st mortgage 5¼s 1987 J-D	105½	--
1st mortgage 4⅛s 1988 M-S	96¼	--
1st mortgage 5¾s 1989 M-S	105	--
1st mortgage 4⅞s 1990 M-N	103	--
1st mortgage 4⅝s 1991 A-O	102½	--
1st mortgage 4⅜s 1992 M-N	99¾	--
Gulf Power 1st 3⅛s 1971 M-S	90½	--
1st mtge 3¼s 1984 J-J	84½	--
1st mtge 4s 1988 F-A	94¼	--
1st mtge 4¾s 1989 A-O	103¼	--
1st mtge 5s 1990 J-J	105	--
Gulf States Utilities Co—		
1st mtge 4s 1988 M-N	95¼	--
1st mtge 4¾s 1989 J-J	104	--
1st mtge 4⅞s 1990 J-J	104½	--
1st mtge 5¼s series A 1989 J-D	106	--
4⅝s debentures 1981 A-O	103	--
1st mtge 4⅜s 1992 M-N	100¼	--
Hackensack Water Co—		
3½s s f debs 1985 J-D	87½	--
Hartford Elec Lgt 3¼s 1971 M-S	92¼	--
1st mtge 4⅜s ser E 1988 A-O	100¼	--
1st mtge 4¼s 1993 A-O	99½	--
Hawaiian Electric Co Ltd—		
4.70s series J 1987 M-S	102	--
4.65s series L 1991 A-O	101¾	--
Houston Lighting & Power—		
1st mtge 2⅞s 1974 M-N	86½	--
1st mtge 3¼s 1986 M-S	84¾	--
1st mtge 4⅞s 1989 F-A	104½	--
1st mtge 4½s 1992 F-A	102	--
Idaho Power Co 3¼s 1981 A-O	86½	--
1st mtge 4½s 1987 J-J	102	--
4¼s s f debentures 1983 A-O	98½	--
1st mtge 4½s 1988 A-O	102	--
1st mtge 5s 1989 M-N	105¼	--
1st mtge 4⅞s 1990 M-N	104½	--
1st mtge 4½s 1991 M-N	101¾	--
Illinois Bell Telephone Co—		
1st mtge 3⅛s ser C 1984 A-O	84	--
1st mortgage 3¼s ser D 1995 J-J	81¾	--
1st mtge 4¼s ser E 1988 M-S	99¾	--
1st mtge 4⅜s ser F 1994 M-S	100½	--
1st mtge 4⅞s ser G 1997 J-J	106	--
1st mtge 4⅜s ser H 2003 J-J	100½	--
Illinois Power Co—		
1st mtge 2⅞s 1976 M-S	85½	--
S f debs 2¾s 1966 M-S	96	--
1st mtge 3⅛s 1978 F-A	85¾	--
1st mtge 2⅞s 1979 J-J	82¾	--
1st mtge 2¾s 1980 A-O	81	--
1st mtge 3½s 1982 M-S	89	--
1st mtge 3½s 1983 M-N	88¾	--
1st mtge 3¾s 1986 J-J	91¾	--
1st mtge 4s 1988 M-N	95	--
1st mtge 4¼s 1993 J-J	99	--
Indiana Assoc Tel 3s 1975 M-N	86	--
Indiana Bell Telephone Co—		
4⅜s debentures 2003 J-D	101⅛	101½
Indiana Gas & Water Co—		
1st mtge 2⅞s ser A 1980 M-S	82	--
Indiana & Michigan Electric Co—		
1st mtge 3s 1978 M-S	85½	--
1st mtge 2¾s 1980 J-D	81	--
1st mtge 3¼s 1982 J-J	86½	--
1st mtge 3⅝s 1983 M-S	91¼	--
1st mtge 3⅛s 1984 A-O	84	--
1st mtge 3⅞s 1988 F-A	93¾	--
1st mtge 4¾s 1988 M-N	105	--
5⅛s s f debentures 1986 J-D	106	--
Indianapolis Power & Light—		
1st mtge 3s 1974 A-O	87¾	--
1st mtge 2⅞s 1979 A-O	82¾	--
1st mtge 3⅝s 1983 M-S	89½	--
1st mtge 3⅝s 1986 J-D	89	--
1st mtge 4⅛s 1988 M-S	97¼	--
1st mtge 4⅝s 1990 A-O	103	--
Indianapolis Rys 5s 1967 J-J	93	--
Inland Natural Gas—		
5½s series A 1977	89¾	90¾
Inter-County Tel & Tel Co—		
4s conv subord debs 1978 J-J	111¼	113
Intermountain Gas Co—		
6s subord debs 1982 J-D	102	104½
5¾s subord debs 1987 A-O	102	103½
Units	68½	70
Interprovincial Pipe Line—		
1st coll trust 3½s 1970 J-J	95	97

Bonds—	Bid	Ask
Interstate Power Co—		
1st mtge 3½s 1982 J-J	87¼	--
1st mtge 5s 1987 M-N	105	--
1st mtge 4⅞s 1991 M-N	104¼	--
1st mtge 4⅜s 1993 M-N	99½	--
Iowa Illinois Gas & Elec Co—		
1st mtge 2¾s 1977 M-S	83½	--
1st mtge 2¾s 1979 A-O	81¾	--
3¼s conv debs 1968 M-S	165	--
1st mtge 5s 1990 A-O	105	--
1st mtge 4⅞s 1991 M-N	104¾	--
Iowa Power & Light Co—		
1st mtge 3¼s 1973 F-A	91	--
1st mtge 3s 1978 F-A	85¼	--
1st mtge 2¾s 1979 J-D	81¾	--
1st mtge 3¼s 1982 M-N	86	--
1st mtge 3⅜s 1983 J-D	87	--
1st mtge 3⅝s 1986 J-D	89¾	--
1st mtge 3⅝s 1988 J-J	89¼	--
1st mtge 4⅝s 1991 J-J	103	--
Iowa Public Service Co (Del)—		
1st mtge 2¾s 1976 J-D	84½	--
1st mtge 3¼s 1978 M-N	87½	--
1st mtge 2¾s 1975 J-D	84⅝	--
1st mtge 3½s 1981 J-J	88½	--
1st mtge 3s 1984 M-N	82	--
1st mtge 4¼s 1988 M-S	98¾	--
Iowa Southern Util 3⅞s 1983 F-A	93¼	--
1st mtge 4⅜s 1992 M-S	100	--
Jacksonville Coach Co 5s 1971 J-J	94	--
Jamaica Water Supply Co—		
1st mtge 2⅞s ser C 1975 M-S	85½	--
Jersey Central Pow & Lt Corp—		
1st mtge 3¼s 1984 J-D	84¾	--
1st mtge 3½s 1985 M-N	87½	--
1st mtge 4⅛s 1986 F-A	97	--
1st mtge 5s 1987 J-J	105	--
1st mtge 5¼s 1989 J-J	106¼	--
1st mtge 5⅜s 1990 J-D	107	--
1st mtge 4⅜s 1992 M-N	100½	--
Kansas City Power & Light—		
1st mtge 3¼s 1983 J-J	85¾	--
1st mtge 3¼s 1985 F-A	84¾	--
1st mtge 5s 1990 J-J	105	--
Kansas Gas & Electric Co—		
1st mtge 3⅜s 1982 J-D	87	--
1st mtge 3⅛s 1978 M-S	86½	--
1st mtge 3⅝s 1983 A-O	89½	--
1ts mtge 3⅜s 1985 M-S	86½	--
1st mtge 3⅜s 1986 F-A	86	--
1st mtge 4⅝s 1991 J-J	103	--
Kansas-Neb Nat Gas 3⅜s '65 A-O	99½	--
Kansas Pwr & Lt 2⅞s 1979 A-O	82¾	--
Kentucky-Ohio Gas Co 2s 1973 J-D	f19	--
Kentucky Utilities Co—		
1st mtge 3s ser A 1977 M-N	85¼	--
1st mtge 3¼s ser B 1979 J-J	86½	--
1st mtge 2⅞s ser C 1980 J-J	82	--
1st mtge 3½s ser D 1982 J-D	88	--
1st mtge 3⅞s ser E 1983 A-O	92¾	--
1st mtge 3⅜s ser F 1985 A-O	86	--
1st mtge 3¾s ser G 1986 A-O	92	--
Kentucky & West Va Power Co—		
1st mtge 3s 1979 M-N	83¼	--
Kings County Lighting—		
3⅛s 1975 F-A	88½	--
Laclede Gas Co debs 3⅜s '74 M-S	89½	--
1st mtge 3¼s 1979 J-D	86½	--
1st mtge 4⅞s 1982 M-N	104¼	--
1st mtge 4⅞s 1985 J-J	104	--
4½s s f debs 1983 F-A	101¼	--
Laclede Gas Light Co—		
1st s f 3½s 1965 F-A	98	--
Lake Superior District Power—		
1st mtge 3s ser A 1975 A-O	87¼	--
1st mtge 2¾s ser C 1980 J-J	80½	--
1st mtge 3¼s ser D 1981 M-S	86½	--
1st mtge 3¾s ser E 1983 M-S	92	--
Long Island Lighting Co—		
1st mtge 3⅜s series E 1982 A-O	87¼	--
1st mtge 3½s series F 1983 M-S	88	--
1st mtge 3¼s series G 1984 J-D	85	--
1st mtge 3⅜s series H 1985 M-N	86½	--
1st mtge 4¾s series I 1986 J-D	103¾	--
1st mtge 4⅛ sseries J 1988 M-N	95¾	--
1st mtge 5s series L 1991 F-A	105	--
Louisiana Gas Service Co—		
1st mtge 4½s 1987 J-D	100	--
Louisiana Power & Light Co—		
1st mortgage 3s 1974 A-O	88	--
1st mortgage 3⅛s 1978 M-S	86¾	--
1st mortgage 3s 1980 M-N	83	--
1st mortgage 3⅛s 1984 A-O	83	--
1st mortgage 4¾s 1987 J-J	104¼	--
1st mortgage 5s 1990 A-O	105	--
Louisville Gas & Electric Co—		
All bonds listed NYSE		
Lower St Lawrence Power—		
1st ref 3¾s series B 1965 M-S	95½	--
Madison Gas & El Co 2½s '76 J-J	81	--
1st mtge 2⅝s 1979 M-N	80	--
1st mtge 4⅝s 1988 A-O	103	--
Maine Public Service Co—		
1st mtge & coll tr 2⅞s 1975 A-O	85½	--
Massachusetts Electric Co—		
1st mtge 5s ser F 1991 J-J	105	--
1st mtge 4⅜s ser G 1992 M-S	100½	--
Meridionale Electric Co—		
7s series A 1957 A-O	177	--
Metropolitan Edison Co—		
1st mortgage 3s 1977 M-S	85¾	--
1st mortgage 3s 1978 M-S	85	--
1st mortgage 3¼s 1982 M-S	86	--
1st mortgage 3⅛s 1984 A-O	83¼	--
1st mortgage 4⅞s 1987 J-D	104⅛	--
1st mortgage 5s 1990 M-N	105	--
1st mortgage 4⅜s 1992 J-D	100⅛	--
Mexican Light & Power Co—		
Extended 5s series A 1975 F-A	87½	--
Income deb stock 5½s	f64½	--

Bonds—	Bid	Ask
Michigan Bell Telephone Co—		
4¾s debentures 1992 M-N	105¼	--
4⅞s debentures 1994 F-A	106	--
4⅝s debentures 1996 F-A	103¾	--
Michigan Consolidated Gas—		
1st mortgage 3s 1975 M-N	85	--
1st mortgage 3½s 1976 F-A	93	--
1st mortgage 3⅜s 1979 J-J	88½	--
1st mortgage 3½s 1980 M-N	89⅛	--
1st mortgage 5⅛s 1986 J-D	106	--
1st mortgage 4½s 1988 M-S	101¾	--
Michigan Wisconsin Pipe Line Co—		
1st mtge pipe line 6¼s 1977 J-D	a--	--
1st mtge pipe line 5⅞s 1980 J-D	105	--
1st mtge pipe line 5½s 1981 J-D	105	--
1st mtge pipe line 4⅞s 1983 J-J	102⅝	102⅞
Mid-American Pipeline Co—		
6½s subord debs 1980 M-S	103½	104½
Midwestern Gas Transmission Co—		
1st M pipe line 5¾s 1980 J-D	104	--
Milwaukee Gas Light Co—		
1st 3⅛s 1975 M-N	88½	--
3⅜s s f debs 1970 M-N	92½	--
1st mtge 4⅛s 1981 J-D	97	--
1st mtge 5⅝s 1985 M-N	107	--
1st mtge 4⅝s 1987 M-N	103	--
Minnesota Power & Light Co—		
1st mtge 3⅛s 1975 M-S	88⅝	--
1st mtge 3⅝s 1981 J-J	90¼	--
1st mtge 4¾s 1987 M-S	104	--
Mississippi Power Co—		
1st 3⅛s 1971 M-S	90¼	--
1st mtge 2⅞s 1977 F-A	84	--
1st mtge 2¾s 1980 M-S	80¾	--
1s mtge 3½s 1981 F-A	88	--
1st mtge 3⅜s 1986 M-S	85¾	--
1st mtge 4⅝s 1987 A-O	102½	--
1st mtge 5⅛s 1989 J-J	105	--
1st mtge 5s 1990 M-S	104½	--
1st mtge 4½s 1992 A-O	101½	--
Mississippi Power & Light—		
1st mtge 3⅛s 1974 M-S	88¼	--
1st mtge 2⅞s 1977 J-D	84	--
1st mtge 3⅛s 1979 J-J	84¾	--
1st mtge 2⅞s 1980 J-D	82	--
1st mtge 3⅜s 1983 M-S	89¼	--
1st mtge 4⅛s 1988 A-O	96¾	--
Missouri Power & Light Co—		
1st 2¾s 1976 J-J	84¼	--
1st 2¾s 1979 M-N	80¾	--
1st mtge 3¼s 1984 J-J	85	--
1st mtge 4½s 1992 J-J	102	--
Monongahela Power Co—		
1st mtge 3s 1975 F-A	87½	--
1st mtge 3s 1977 M-S	86	--
1st mtge 3⅛s 1979 F-A	84¾	--
1st mtge 3⅜s 1981 A-O	87¼	--
1st mtge 3⅝s 1983 J-D	89½	--
1st mtge 4¾s 1984 A-O	103¾	--
Montana-Dakota Utilities—		
1st mtge 3s 1965 A-O	98¼	--
1st mtge 3⅝s 1976 A-O	93	--
1st mtge 3⅜s 1975 M-S	90	--
1st mtge 3½s 1979 M-S	90¼	--
1st mtge 5⅛s 1983 J-D	105¼	--
1st mtge 4½s s f 1982 J-D	101¾	--
1st mtge 4½s 1987 J-D	101¾	--
Montana Power 2⅞s 1975 A-O	85¾	--
1st mtge 3⅛s 1984 M-N	83¼	--
3¼s s f debentures 1979 M-N	87¼	--
1st mtge 4½s 1989 A-O	102	--
Mountain Fuel Supply Co—		
3½s debentures 1971 A-O	94½	--
3⅛s debentures 1974 J-D	88⅜	--
4s debentures 1983 J-D	95½	--
4⅞s debentures 1986 M-S	104½	--
Mountain States Tel & Tel—		
3s debentures 1989 F-A	81½	--
3½s debentures 1990 J-J	88	--
4⅜s debentures 1988 F-A	100¾	--
5s debentures 2000 A-O	106	--
4½s debentures 2002 J-D	102	--
Mystic Valley Gas Co—		
1st mtge 3⅝s ser A 1974 F-A	92	--
1st mtge 6s series B 1977 M-N	104	--
Narragansett Electric Co—		
1st mtge 3s series A 1974 M-S	88	--
1st mtge 3s series B 1978 M-N	84½	--
1st mtge 3⅜s series C 1982 M-S	87¼	--
1st mtge 3½s series D 1983 M-S	88½	--
1st mtge 3½s series E 1986 M-S	87½	--
National Fuel Gas 3s debs '73 J-J	88⅛	--
3¼s s f debentures 1977 M-N	87¾	--
3¼s s f debentures 1979 A-O	87	--
4⅞s s f debentures 1983 A-O	104	--
5⅛s s f debentures 1985 A-O	106	--
4⅞s s f debentures 1986 M-N	104¼	--
Natural Gas Pipeline Co of America 4¾s debs 1978 J-J	102	--
4⅝s 1st mtge pipe line 1978 M-N	102¼	--
4⅝s 1st mtge pipe line 1979 A-O	102½	--
5s 1st mtge pipe line 1980 A-O	104	--
4¾s debentures 1981 M-N	101½	--
4⅝s 1st mtge pipe line 1982 J-J	102¼	--
New Bedford Gas & Edison Light Co 3% notes A 1973 M-N	88½	--
New England Electric System—		
3s debentures 1967 J-D	95¼	--
3¼s debentures 1977 J-D	87¾	--
New England Gas & Elec Assn—		
4s series C 1971 M-S	98	--
New England Power—		
1st mtge 3s series B 1978 J-J	84¾	--
1st mtge 2¾s series C 1979 J-J	81	--
1st mtge 2⅞s series D 1981 F-A	81¾	--
1st mtge 3¼s series E 1982 J-D	86¼	--
1st mtge 3¼s series F 1985 J-J	85	--
1st mtge 4⅜s series G 1987 F-A	100¼	--
1st mtge 4s series H 1988 J-D	95	--
1st mtge 4⅝s series I 1991 M-N	103	--
1st mtge 4⅜s series J 1992 J-D	100	--

a Called for redemption, see page 94. b Basis. e Ex-interest. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

tized for FRASER

PUBLIC UTILITY BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

Bonds—	Bid	Ask
New England Tel & Tel—		
3¼s debentures 1977 J-D	88	--
3⅛s debentures 1988 J-D	81½	--
3¼s debentures 1991 M-N	83⅛	--
4s debentures 1993 A-O	95	--
4⅝s debentures 1999 A-O	103½	--
4½s debentures 2002 J-J	102¼	--
New Jersey Bell Telephone—		
2¾s debentures 1990 M-S	74¾	--
3¼s debentures 1984 M-N	85¼	--
3s debentures 1989 M-N	80½	--
3⅜s debentures 1995 J-D	83½	--
3⅞s debentures 1993 A-O	92¼	--
4⅞s debentures 2000 M-N	106½	--
New Jersey Power & Light—		
1st mtge 3s 1978 J-D	84½	--
1st mtge 2⅞s 1979 J-D	82½	--
1st mtge 3⅛s 1984 F-A	83	--
1st mtge 4⅛s 1988 M-N	96½	--
1st mtge 4⅞s 1990 J-J	104	--
New Orleans Public Service Co—		
1st mtge 3⅛s 1974 J-J	89	--
1st mtge 3¼s 1978 A-O	86½	--
1st mtge 4⅛s 1983 A-O	97	--
1st mtge 3¼s 1984 J-D	84¾	--
1st mtge 4½s 1987 A-O	101¾	--
1st mtge 4½s 1992 A-O	101¾	--
1st mtge 5s 1991 J-D	104¼	--
N Y State Elec & Gas Corp—		
1st mtge 3s 1978 A-O	85¾	--
1st mtge 3¼s 1984 M-N	85¼	--
1st mtge 3⅜s 1985 M-S	86¾	--
1st mtge 4⅝s 1987 M-N	103½	--
1st mtge 3⅞s 1988 F-A	93¼	--
1st mtge 4⅝s 1991 M-N	103¼	--
4½s s f debentures 1992 J-D	102	--
New York Telephone Co—		
Ref mtge 4⅝s series L 1997 A-O	103¾	--
Ref mtge 4⅝s series M 2002 J-J	103¾	--
Ref mtge 4¼s series N 2000 J-J	98½	--
Niagara Mohawk Power Corp—		
Gen mtge 3⅜s 1981 J-D	87¾	--
Gen mtge 3⅛s 1984 F-A	83¼	--
Gen mtge 3⅝s 1986 M-N	90	--
Gen mtge 3⅞s 1988 J-D	93¼	--
Gen mtge 4¾s 1990 A-O	104½	--
Gen mtge 4½s 1991 M-N	101½	--
North Carolina Natural Gas—		
6s conv 2nd mtge 1981 A-O	119	124
6s sub inc debentures 1983 F-A	f60	65
North Shore Gas Co (Mass)—		
1st 4s series B 1975 J-D	86	--
Northern Illinois Gas 3½s '79 J-J	90½	--
1st mtge 3¾s 1981 A-O	92¾	--
1st mtge 5s 1984 J-D	105	--
1st mtge 4⅝s 1985 J-J	102½	--
1st mtge 4⅜s 1988 J-J	100⅜	100¾
Northern Indiana Public Service—		
1st mtge 3⅛s series C 1973 F-A	89⅛	--
1st mtge 4½s series J 1989 J-J	102¾	--
1st mtge 4⅞s series K 1990 F-A	104¾	--
1st mtge 4⅜s series L 1992 M-S	100¾	--
1st mtge 4½s series M 1993 A-O	103⅜	--
4s conv debs 1976 A-O	124½	--
Northern Natural Gas Co—		
4⅜s s f debs 1983 M-N	99⅝	99⅞
All other bonds listed NYSE		
Northern Ontario Nat Gas—		
5¾s subord debs 1982 J-D	91½	93½
Northern States Power Co (Minn)—		
All bonds listed NYSE		
Northern States Power Co (Wis)—		
All bonds listed NYSE		
Northwest Natural Gas Co—		
1st mtge 5⅛s 1984 F-A	103	--
1st mtge 5⅛s 1986 J-J	102½	--
Northwestern Bell Telephone—		
4⅜s debentures 1989 M-N	100¾	--
4⅞s debentures 1998 J-D	105½	--
4⅜s debentures 2003 M-S	100½	101½
Northwestern Public Service—		
1st mtge 3s 1973 A-O	88⅛	--
1st mtge 5¼s 1987 J-J	105¼	--
Ohio Edison Company—		
1st mtge 3¼s 1984 J-J	85½	--
1st mtge 3¼s 1985 M-N	85½	--
1st mtge 4¼s 1988 M-S	99	--
1st mtge 4½s 1989 M-S	102	--
1st mtge 4¾s 1991 J-D	104¾	--
Ohio Power Co—		
1st mtge 3⅜s 1981 A-O	87¾	--
1st mtge 3⅜s 1983 J-J	87⅛	--
1st mtge 3⅛s 1984 A-O	83¼	--
1st mtge 3⅜s 1985 M-S	86½	--
1st mtge 4¼s 1986 M-N	99¾	--
1st mtge 4⅞s 1987 M-N	104¾	--
1st mtge 4⅝s 1989 A-O	103⅛	--
Ohio Water Service—		
6s conv subord debs 1977 A-O	140	--
Oklahoma Gas & Electric Co—		
All bonds listed NYSE		
Orange & Rockland Utilities—		
1st mtge 4½s ser F 1988 J-D	101	--
1st mtge 4⅞s ser G 1991 A-O	103¾	--
Otter Tail Power Co—		
5¼s conv debs 1967 M-N	190	--
1st mtge 4⅞s 1991 F-A	106	--
Pacific Gas & Electric Co—		
All bonds listed NYSE		
Pacific Gas Transmission—		
5½s conv debentures 1986 F-A	117	--
Pacific Lighting Gas Supply Co—		
Sink fd debs 5s ser A 1980 A-O	104	--
Pacific Northwest Bell Telephone—		
4½s debentures 1994 M-N	102¼	--
4⅜s debentures 2002 M-S	100½	--
4½s debentures 2003 A-O	102¾	--
Pacific Power & Light Co—		
1s mtge 3¼s 1977 J-J	86½	--
1st mtge 3½s 1984 F-A	87½	--
4¾s conv debs 1974 M-S	133	--
1st mtge 4¾s 1992 A-O	102¼	--
1st mtge 5⅛s 1990 M-S	104½	--
1st mtge 4½s 1992 J-D	100½	--
1st mtge 4⅝s 1993 F-A	--	101
Pacific Telephone & Telegraph—		
3¼s debentures 1979 M-N	87½	--
3⅛s debentures 1989 M-N	81⅜	--
5⅛s debentures 1980 F-A	106½	--
4⅝s debentures 1990 M-N	103	--
5⅛s debentures 1993 F-A	105	--
Panhandle Eastern Pipe Line—		
3¼s s f debs 1973 F-A	90¼	--
2¾s debentures 1975 J-D	84¾	--
3⅛s debentures 1974 J-D	89	--
4⅜s debentures 1982 A-O	100	--
Pennsylvania Electric Co—		
1st mtge 3⅜s 1972 J-J	93	--
1st mtge 3⅛s 1973 M-S	89⅛	--
1st mtge 2¾s 1976 J-D	84¾	--
1st mtge 2¾s 1979 M-N	81⅛	--
1st mtge 3⅜s 1982 F-A	87¼	--
1st mtge 4⅛s 1983 J-D	97½	--
1st mtge 3⅛s 1984 M-S	84	--
1st mtge 3⅞s 1986 M-N	93½	--
1st mtge 4s 1988 M-S	95	--
1st mtge 5s 1989 F-A	105	--
1st mortgage 5s 1990 M-N	105¼	--
1st mtge 4⅝s 1991 M-N	103	--
5¼s debentures 1986 J-D	106½	--
Pennsylvania Gas & Water Co—		
Quotes under old name of		
Scranton Spring Brook Water Ser		
Pennsylvania Power Co—		
1st mtge 2⅞s 1975 M-N	86	--
1st mtge 2¾s 1980 M-S	81	--
1st mtge 3¼s 1982 F-A	86⅛	--
1st mtge 4⅜s 1992 M-S	100½	--
1st mtge 4⅜s 1993 J-D	100⅞	--
Pennsylvania Power & Light—		
1st mortgage 4⅝s 1991 J-D	103	--
Pennsylvania Telep 2⅞s 1975 J-J	86	--
Peoples Gas Light & Coke—		
1st & ref M 3¼s ser I 1979 J-J	87¼	--
1st & ref M 4⅝s ser J 1986 M-N	102¾	--
Philadelphia Electric Co—		
All bonds listed NYSE		
Philadelphia Elec Pwr 2⅝s 1975 J-J	83	--
Philadelphia Suburban Water—		
1st mtge 4⅛s 1988 M-N	96	--
Philadelphia Transportation Co—		
Consol mtge 3-6s ser A 2039 J-J	80	82
1st & ref mtge 3¾s ser B '70 J-D	91	94
Pioneer Nat Gas debs 5½s '77 M-S	103	--
Pittsburgh Rys Co 5s 1970 J-J	99½	--
Portland Gas & Coke Co—		
1st mtge 3⅛s 1976 J-J	86	--
1st mtge 4⅜s 1976 A-O	98¾	--
Portland General Electric Co—		
1st mtge 3⅛s 1975 J-J	88¼	--
1st mtge 3½s 1977 M-N	89½	--
Potomac Edison Co—		
1st mtge & coll tr 3s 1974 A-O	88½	--
1st mtge & coll tr 3⅛s 1978 J-J	86¼	--
1st mtge & coll tr 3¼s 1977 J-D	87¾	--
1st mtge & coll tr 3⅜s 1981 A-O	87½	--
1st mtge & coll tr 4⅝s 1987 M-N	103	--
Potomac Electric Power Co—		
1st mtge 2¾s 1985 M-N	77⅝	--
1st mtge 3¼s 1987 M-S	83½	--
1st mtge 3⅞s 1988 J-D	93¼	--
1st mtge 3⅜s 1990 J-D	85	--
1st mtge 3⅝s 1991 J-D	89¼	--
1st mtge 4⅝s 1993 J-D	103	--
1st mtge 5¼s 1994	107	--
1st mtge 5s 1995 J-D	106¼	--
1st mtge 4⅝s 1982 J-D	102¾	--
1st mtge 4⅜s 1998	100⅝	--
Public Service Co of Colorado—		
1st mtge 2⅞s 1977 J-D	84¾	--
1st mtge 3⅛s 1978 A-O	86½	--
1st mtge 3¼s 1981 A-O	86½	--
1st mtge 3⅛s 1984 A-O	83¼	--
1st mtge 4⅜s 1987 M-N	100½	--
1st mtge 4⅝s 1989 M-N	103	--
1st mtge 4½s 1991 A-O	102	--
Public Service Co of Indiana—		
1st mtge 3⅛s ser F 1975 M-S	88¾	--
1st mtge 3⅛s ser G 1977 M-N	87	--
1st mtge 3s ser H 1979 J-J	84¼	--
1st mtge 3⅜s ser J 1982 J-J	87¼	--
1st mtge 3⅜s ser K 1984 J-J	86¾	--
1st mtge 4⅜s ser M 1989 F-A	100½	--
Public Service Co of N H—		
1st mtge 3¼s ser A 1973 J-J	90¼	--
1st mtge 3¼s ser C 1978 J-J	87¼	--
1st mtge 3¼s ser D 1978 A-O	87¼	--
1st mtge 3s ser E 1979 J-D	84¼	--
1st mtge 3¼s ser H 1984 M-N	85¼	--
1st mtge 3⅞s ser I 1986 J-D	93¼	--
1st mtge 4⅝s ser M 1992 J-J	103	--
Public Service Co of Oklahoma—		
1st mtge 2¾s ser A 1975 J-J	85½	--
1st mtge 2⅞s ser B 1978 F-A	83¾	--
1st mtge 3⅛s ser C 1981 A-O	85½	--
1st mtge 3⅜s ser D 1983 M-S	87¼	--
1st mtge 3s ser E 1984 F-A	82¼	--
1st mtge 4¼s ser F 1987 F-A	99½	--
1st mtge 3⅞s ser G 1988 M-N	93¼	--
1st mtge 4⅛s series I 1993 J-J	97¼	--
Pub Serv Coordinated Transport—		
1st & ref 4s 1990 J-J	97	--
1st & ref 5s 1990 J-J	104½	--
1st & ref 5¾s 1990 J-J	108	--
1st & ref 6s 1990 J-J	112	--
Public Service Elec & Gas Co—		
1st & ref M 2¾s 1980 M-N	81	--
1st & ref M 3¼s 1984 M-N	85	--
1st & ref M 4⅜s 1986 M-N	100¾	--
1st & ref M 4⅞s 1987 M-S	105	--
1st & ref M 4⅝s 1988 F-A	103¼	--
1st & ref M 5⅛s 1989 J-D	106	--
1st & ref M 4¾s 1990 M-S	104¾	--
1st & ref M 4⅜s 1992 F-A	100	--
4¾s debentures 1981 A-O	104½	--
1st & ref M 4⅜s 1993 J-D	100	--
Puget Sound Power & Light—		
1st mortgage 4⅛s 1988 M-N	95¾	--
5¼s debentures 1983 M-N	103½	--
1st mtge 5½s 1989 M-N	106	--
1st mtge 5⅜s 1990 A-O	104½	--
1st mtge 4⅝s 1991 F-A	102¼	--
Quebec Natural Gas Corp—		
5¾s subord debs 1985 A-O	83	85
Quebec Telephone Corp—		
1st 3½s series B 1967 F-A	93	--
1st 4s series C 1967 F-A	94¼	--
Rochester Gas & Electric Corp—		
1st mtge 3s series L 1979 M-S	84½	--
1st mtge 3⅜s series N 1982 J-D	87¼	--
3⅜s series O 1985 M-S	86½	--
1st mtge 4⅞s series R 1987 J-J	104½	--
1st mtge 5s series S 1989 A-O	105	--
1st mtge 4½s series T 1991 M-N	102	--
Rochester Telephone Corp—		
1st mtge 2½s series A 1981 A-O	76½	--
1st mtge 4¾s series E 1993 M-S	104¼	--
4¾s debentures 1987 J-J	104¼	--
Rockland Light & Power Co—		
1st mtge 3⅛s series C 1978 J-D	86	--
1st mtge 3¾s series D 1981	93	--
1st mtge 3¾s series E 1983 A-O	92¼	--
St Joseph Light & Power Co—		
1st mtge 2⅝s 1976 A-O	82	--
1st 3s 1979 J-J	84	--
1st mtge 5s 1989 J-D	105	--
San Diego Gas & Electric Co—		
1st mtge 3⅜s 1970 J-J	93½	--
1st mtge 3s series C 1978 M-S	84½	--
1st mtge 3¼s series D 1982 A-O	86¼	--
1st mtge 2⅞s series E 1984 A-O	80¼	--
1st mtge 3¼s series F 1985 A-O	85	--
1st mtge 4⅞s series G 1987 A-O	104½	--
1st mtge 4⅝s series H 1990 A-O	103	--
4⅝s s f debentures 1984 J-J	103	--
Savannah Electric & Power Co—		
1st mtge 3¼s 1984 A-O	85¼	--
3⅜s debentures 1979 A-O	88	--
1st mtge 3⅞s 1986 M-N	92½	--
1st mtge 5⅛s 1987 M-N	105	--
1st mtge 5⅛s 1990 J-D	105	--
5¼s debentures 1985 J-D	105	--
Scranton Spring Brook Water Serv		
1st mtge 2⅞s 1976 M-S	84	--
5⅛s s f debs w w 1984 A-O	101	--
Shawinigan Water & Power Co—		
1st & coll 3½s ser H 1970 J-J	82	84
1st & coll 3½s ser J 1970 F-A	82	84
1st & coll 3s series N 1971 M-N	79	81
1st & coll tr 3½s ser P 1973 A-O	87½	89½
4¾s 1976 series R A-O	86	88
5½s conv debs 1972 A-O	91¾	93¾
Sierra Pacific Power Co—		
1st mtge 3⅛s 1978 A-O	85⅛	--
1st mtge 3⅜s 1984 M-N	84¾	--
1st mtge 5¼s 1986 M-N	105	--
1st mtge 4½s 1988 A-O	99¾	--
5⅝s debentures 1985 J-J	a106	--
1st mtge 5s 1991 M-N	104½	--
1st mtge 4⅞s 1992 J-D	104	--
5s debentures 1988 J-J	102½	103½
South Carolina Elec & Gas Co—		
1st refunding 3s 1980 A-O	83	--
South Carolina Power Co—		
1st & ref 3s 1975 J-J	87	--
South Jersey Gas Co 4⅛s 1977 A-O	97	--
Southern Bell Tel & Tel—		
3⅛s debentures 1989 M-S	81½	--
3¼s debentures 1995 A-O	82	--
4s debentures 1983 A-O	96	--
5s debentures 1986 J-D	106	--
4⅝s debentures 1993 J-D	103¾	--
5s debentures 1997 J-D	106	--
4⅜s debentures 1998 M-S	100¾	--
4⅜s debentures 2001 A-O	100¾	--
Southern Calif Edison Co—		
1st & ref 4⅜s series Q 1988 M-N	100⅝	--
All other bonds listed NYSE and/or ASE		
Southern California Gas Co—		
1st mortgage 2⅞s 1977 J-J	85	--
1st mortgage 3¼s 1978 M-N	88	--
1st mortgage 2⅞s 1980 J-D	82¾	--
1st mtge 3½s series A 1982 A-O	89	--
1st mtge 3⅞s series B 1981 J-D	94	--
1st mtge 5⅛s series C 1983 J-J	a105¼	--
1st mtge 5⅜s series D 1984 A-O	105½	--
1st mtge 4⅜s ser E 1988 J-J	--	100.835
Southern Counties Gas (Calif)—		
1st mtge 3s 1977 M-S	86	--
1st mtge 3¼s 1978 M-S	88	--
1st mtge 3½s 1981 A-O	89	--
1st mtge 3¼s series A 1984 M-N	85	--
1st mtge 4s series C 1983 M-N	95	--
1st mtge 4¾s series D 1985 F-A	103¼	--
Southern Electric Generating—		
1st mtge 5¼s 1992 (1959 ser) J-D	106	--
1st mtge 5¼s 1992 (1960 ser) J-D	106	--
1st mtge 5¼s 1992 (1961 ser) J-D	106	--
1st mtge 4⅜s June 1 1992	100	--
Southern Indiana Gas & Elec—		
1st mtge 3⅛s 1984 A-O	83	--
Southern Natural Gas Co—		
1st mtge pipe line 3s 1968 J-D	94½	--
1st mtge pipe line 2⅞s 1970 J-D	90	--
1st mtge pipe line 4s 1973 M-N	97	--
1st mtge pipe line 3⅛s 1974 F-A	88¼	--
4½s s f debentures 1978 J-J	99½	--
1st mtge pipe line 4¾s 1979 J-J	103¼	--
Southern Nevada Power Co—		
1st mtge 5¼s series D 1989 M-N	103½	--

*Without par value. a Called for redemption, see page 94. b Basis. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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PUBLIC UTILITY BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

Bonds—	Bid	Ask
Southern New England Telephone—		
3¼s debentures 1985 J-J	84½	--
3¼s debentures 1989 J-D	83	--
4⅛s debentures 1991 M-S	97¾	--
4⅜s debentures 2001 J-D	100¾	--
Southern Union Gas Co—		
4¼s s f debs 1976 M-N	100	--
5½s s f debentures 1982 A-O	104	--
5½s s f debentures 1985 J-D	104¾	--
Southwestern Bell Telephone—		
4¾s debentures 1992 A-O	105¼	--
4⅝s debentures 1995 F-A	104	--
4½s debentures 1997 F-A	102½	--
Southwestern Electric Power Co—		
1st mtge 4⅜s series I 1993 A-O	100⅜	--
Southwestern Gas & Electric Co—		
1st mtge 3⅛s ser B 1978 J-J	86½	--
1st mtge 3s ser C 1979 J-D	84¼	--
1st mtge 2⅞s ser D 1980 J-D	82¼	--
1st mtge 3⅜s ser E 1982 M-S	87¼	--
1st mtge 3¼s ser F 1984 M-N	85	--
1st mtge 4⅝s ser G 1987 J-J	103	--
Southwestern Public Service Co—		
1st mtge 3½s 1978 F-A	89½	--
1st mtge 3.20s 1979 J-D	86¾	--
1st mtge 3.35s 1981 F-A	87½	--
Staten Island Edison 2⅞s 1979 M-N	83	--
Tampa Electric Co—		
1st mtge 4¼s 1988 J-J	99	--
1st mtge 4½s 1993 M-N	102⅝	--
Tennessee Gas Transmission Co—		
1st mtge pipe line issues—		
2¾s April 1 1966	99¼	--
3s Sept 1 1967	99½	--
3s Sept 1 1970	93	--
3⅛s Feb 1 1971	92	--
3½s Sept 1 1971	93	--
3⅝s June 1 1974	93	--
3½s Aug 1 1975	91½	--
3⅞s Feb 1 1976	93	--
4¾s Nov 1 1976	99½	101
5¼s July 1 1977	102	103½
5¼s Nov 1 1979	102½	104
5⅜s Jan 1 1979	102½	104
4⅞s Mar 1 1983	102⅜	102⅝
Debenture issues—		
4¼s Sept 1 1974	93	--
4s April 1 1975	91	--
4½s Jan 1 1977	95	--
5s May 1 1978	99½	--
5⅛s May 1 1981	99½	--
5¼s Dec 1 1981	101	--
5s April 1 1982	99½	100
5s Sept 1 1982	99½	100
6s Nov 1 1977	103	104½
5s June 1 1983	99¼	99¾
Texas Eastern Transmission—		
1st mtge pipe line issues—		
4⅞s Mar 1 1977	100½	--
5⅝s Sept 1 1978	103½	--
4⅞s April 1 1979	100½	--
4⅞s Dec 1 1981	100	--
5s Jan 1 1981	100½	--
4¾s July 1 1983	100⅛	100½
Debenture issues—		
4⅜s March 1 1974	97	--
5½s Dec 1 1976	103	--
6s June 1 1977	103	--
5⅜s Aug 1 1980	102½	--
5⅜s Aug 1 1981	102½	--
Texas Electric Service Co—		
3¼s s f debs 1973 A-O	91¼	--
1st mtge 2¾s 1975 M-S	85¼	--
1st mtge 3⅜s 1981 J-D	87¾	--
1st mtge 4¾s 1987 J-J	104¼	--
1st mtge 3¼s 1982 M-N	86¼	--
1st mtge 4½s 1988 M-N	102	--
1st mtge 4⅜s 1993 A-O	100¾	--
5¼s s f debentures 1985 F-A	106¼	--
Texas Gas Transmission Corp—		
5s debentures 1982 J-D	102	--
Texas Power & Light—		
1st mtge 2¾s 1975 M-N	85¾	--
1st mtge 3s 1977 A-O	87	--
1st mtge 3s 1978 A-O	86	--
S f deb 3¼s 1973 A-O	92½	--
1st mtge 3¼s 1982 A-O	87	--
1st mtge 3⅛s 1984 A-O	84	--
1st s f debs 3⅜s 1977 A-O	91	--
1st mtge 4⅜s 1986 M-N	100¼	--
1st mtge 4½s 1988 J-D	102	--
1st mtge 4½s 1991 J-J	102	--
4⅝s s f debentures 1987 J-J	103	--
1st mtge 4⅜s 1993 F-A	100¼	--
Toledo Edison Co—		
1st mtge 2⅞s 1977 A-O	84¼	--
Trans-Canada Pipe Line—		
5.60s Jan 1 1987	102	103
5.85s Jan 1 1987	91¾	93¾
Transcontinental Gas Pipe Line—		
1st mtge 4⅝s 1978 J-D	98¾	--
1st mtge pipe line 5s 1977 A-O	101¾	--
6⅛s debentures 1978 M-N	103½	--
1st mtge pipe line 5s 1979 F-A	101¼	--
1st mtge pipe line 5⅛s 1980 F-A	101½	--
1st mtge pipe line 5¼s 1980 M-N	102½	--
1st mtge pipe line 5s 1981 M-N	101	--
1st mtge pipe line 4⅞s 1982 M-N	99¾	--
5s debentures 1982 J-D	100¼	--
Transwestern Pipeline Co—		
5s subord debs 1969 (ex-stk) M-N	94¾	--
Union Electric Co of Missouri—		
1st mtge 4¾s 1990 M-S	104¾	--
1st mtge 3¾s 1986 J-J	92	--
1st mtge 4⅜s 1988 M-S	100½	--
1st mtge 4¾s 1990 M-S	104¾	--
1st mtge 4¾s 1991 J-J	104¾	--
Union Lt Heat & Pwr 5s 1989 J-J	105	--
1st mtge 4⅜s 1993 J-J	100¼	--
United Gas Corp—		
All bonds listed NYSE		
United Gas Imprmt 3¼s 1966 J-J	98	--
1st mtge 3¼s 1979 J-J	86¾	--
1st mtge 4⅛s 1983 M-N	97¾	--
1st mtge 5⅛s 1984 J-D	105¼	--
Upper Peninsula Pwr 3¼s 1977 M-N	86½	--
Utah Power & Light Co—		
1st mtge 2¾s 1976 M-N	84½	--
1st mtge 2⅞s 1980 A-O	82¼	--
1st mtge 3⅝s 1981 A-O	89¼	--
1st mtge 3½s 1982 A-O	89	--
1st mtge 3¼s 1984 M-N	85	--
1st mtge 3⅝s 1985 M-S	89¾	--
1st mtge 4⅞s 1990 M-S	104	--
1st mtge 4½s 1992 J-D	101¾	--
1st mtge 4½s 1993 A-O	101½	--
Virginia Electric & Power—		
1st & ref 3⅛s ser K 1984 M-N	83½	--
1st & ref 3¼s ser L 1985 J-D	85	--
1st & ref 4⅛s ser M 1986 A-O	97⅛	--
1st & ref 4½s ser N 1987 J-D	102	--
1st & ref 3⅞s ser O 1988 J-D	93¼	--
1st & ref M 4⅝s ser P 1990 M-S	103½	--
1st & ref 4⅞s ser Q 1991 J-D	105	--
1st & ref 4⅜s series R 1993 M-N	100¾	--
Washington Gas Light Co—		
Ref mtge 3½s 1976 J-J	91¾	--
Ref mtge 3½s 1980 J-D	88½	--
Ref mtge 4⅞s 1986 M-N	104	--
Washington Water Power Co—		
1st mtge 3½s 1982 A-O	88	--
1st mtge 4⅞s 1987 J-J	104	--
1st mtge 4⅛s 1988 J-J	95⅞	--
1st mtge 4⅜s 1988 F-A	100	--
4½s s f debentures 1983 J-J	101½	--
1st mtge 4¾s 1989 F-A	103½	--
5⅝s s f debs 1985 M-S	106	--
1st mtge 5⅜s 1990 M-S	105½	--
West Penn Power—		
1st mtge 3s series L 1974 M-N	88⅛	--
1st mtge 3s series M 1978 M-S	86	--
1st mtge 2⅞s ser N 1979 M-N	83	--
1st mtge 3¼s ser O 1982 A-O	86¼	--
1st mtge 3s series P 1984 A-O	82¼	--
1st mtge 4⅞s series Q 1987 J-J	105	--
1st mtge 4½s ser S 1992 M-S	102	--
1st mtge 4⅜s ser T 1992 M-N	100¾	--
West Texas Utilities Co—		
1st mtge 3⅛s 1973 F-A	88½	--
1st mtge 3s series B 1978 M-N	85	--
1st mtge 3⅝s series C 1981 M-N	89½	--
1st mtge 3⅜s series D 1985 A-O	86	--
1st mtge 3⅞s series E 1988 J-J	93	--
1st mtge 4⅝s series F 1991 F-A	103	--
Westcoast Transmission Co Ltd—		
Subordinate debentures		
5½s series A 1988 A-O	f94½	98
5½s conv series C 1988 J-J	f97	100½
Western Light & Telephone Co—		
1st mtge 3s series A 1975 J-J	87½	--
Western Massachusetts Electric Co		
1st mtge 3⅛s ser B 1984 A-O	83¼	--
4⅜s series C 1987 A-O	100½	--
1st mtge 4⅜s ser E 1992 M-N	100¾	--
Western Power & Gas Co—		
4¼s conv subord debs 1978 F-A	109½	--
Western Utilities Corp—		
5¼s conv debs 1975 A-O	162	--
Wisconsin Electric Power—		
1st mtge 2¾s 1980 J-D	81	--
1st mtge 3¼s 1982 M-N	86¼	--
1st mtge 3⅛s 1984 M-N	83½	--
1st mtge 3⅞s 1986 A-O	93¼	--
1st mtge 4⅛s 1988 A-O	97½	--
1st mtge 5s 1990 M-N	105¼	--
Wisconsin Michigan Power Co—		
1st mtge 3s 1978 A-O	84½	--
1st mtge 3⅝s 1981 A-O	89¼	--
1st mtge 4¾s 1991 M-N	103½	--
1st mtge 4½s 1993 A-O	101½	--
Wisconsin Natural Gas Co—		
1st mtge 2⅞s 1975 J-D	86⅝	--
1st mtge 4¾s 1986 A-O	103¾	--
1st mtge 4⅜s 1987 M-N	100	--
Wisconsin Power & Light—		
1st mtge 3¼s ser A 1971 F-A	92¾	--
1st mtge 3⅛s ser B 1978 J-J	86¼	--
1st mtge 3⅛s ser C 1978 M-S	86¼	--
1st mtge 2⅞s ser D 1980 J-D	82½	--
1st mtge 3⅜s ser E 1981 A-O	87¾	--
1st mtge 3¼s ser F 1982 A-O	86¼	--
1st mtge 3¼s ser H 1984 A-O	85	--
1st mtge 4⅝s ser J 1989 M-S	103	--
1st mtge 4¼s series K 1992 M-N	99¾	--
Wisconsin Public Service Corp—		
1st mtge 3s 1977 M-N	86½	--
1st mtge 3⅛s 1978 F-A	86½	--
1st mtge 2⅞s 1979 M-S	83	--
1st mtge 2⅞s 1980 M-N	82½	--
1st mtge 3¼s 1984 A-O	85¼	--
1st mtge 4⅜s 1987 J-D	100¾	--
1st mtge 5¼s 1989 M-N	106	--
Wisconsin Telephone Co—		
4½s debentures 1992 J-J	102¼	--
4⅞s debentures 1995 M-N	105	--
4⅜s debentures 2002 M-N	100¾	--
Wolverine Power 3-4½s 1979 J-D	f51	--
Worchester County Electric Co—		
1st mtge 3¼s ser B 1981 M-S	86½	--
1st mtge 3⅜s ser D 1985 A-O	86½	--
Worchester Gas Light Co—		
1st s f 3¼s ser A 1969 F-A	94	--
1st s f 4s ser B 1973 M-S	97	--
1st mtge 5¼s series C 1979 J-D	105½	--

*Without par value. a Called for redemption, see page 94. e Ex-interest. f Flat price. k Last sale. n Nominal. r Canadian price.

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Public Utility Stocks

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

OVER-THE-COUNTER UTILITY STOCKS

Stocks—	Par	Bid	Ask
Alabama Gas Corp com "wts"		4¼	4¾
$5.50 series A preferred w w	100	113	--
Without warrants		101	--
Alabama Power Co—			
4.52% preferred	100	n100¾	101¾
4.60% preferred	100	101	103
4.92% preferred	100	106	--
Alabama-Tenn Natural Gas	1	25	27
American District Telegraph Co	*	100	105
American Gas Co	1	4	4¼
Anglo Canadian Tel Co class A	10	48	50
Appalachian Power Co—			
4.50% s f preference	100	100	101
Arizona Public Service Co—			
$1.10 preferred	25	22½	23½
$2.36 preferred	50	49¼	--
$2.40 preferred series A	50	51½	52½
$2.50 preferred	50	50½	51½
Arkansas Louisiana Gas—			
90c preferred	20	19	20
Arkansas Missouri Power Co	2.50	16⅞	17⅞
Arkansas Power & Light Co—			
4.32% preferred	100	96	--
5.48% preferred	100	107	108
Arkansas Western Gas	2.50	16⅜	17⅜
Atlanta Gas Light Co—			
Common	5	27¾	29⅝
4½% preferred	100	92½	--
4.44% preferred	100	91½	--
Atlantic City Electric Co—			
4.75% preferred	100	103½	--
Atlantic City Sewerage	*	20½	22
Atlantic Utilities Corp	1	6⅝	7⅜
Aurora Corp (Illinois)	1	3¾	4⅜
Baltimore Transit Co	1	--	10¼
Bangor Hydro Electric Co—			
Common	5	21¼	22¾
7% preferred	100	141	147
4% preferred	100	82	86
4¼% preferred	100	87	91
Barcelona Traction Light & Power Co Ltd ordinary	*	3¾	4½
Berkshire Gas Co	10	26½	28¾
Biddeford & Saco Water Co	25	25	27
Black Hills Power & Light com	1	49¾	50¾
4.20% preferred	100	88	--
Blackstone Valley Gas & Elec—			
4¼% preferred	100	82	--
Boston Edison Co—			
4.25% preferred	100	96½	98
4.78% preferred	100	106	107
Bridgeport Gas Co common	*	41	42½
5.28% preferred	25	41	--
Bridgeport Hydraulic Co	20	47¾	50¾
Brockton Taunton Gas Co com	10	31½	32½
$3.80 preferred	50	72	--
Calgary Power Co	*	19¼	19¾
Calif Interstate Telephone Co	5	24¼	25⅞
California-Pacific Utilities—			
Common	5	25¾	27¾
1st 5% preferred	20	19½	--
5% convertible preferred	20	34¼	--
California Water Service	12.50	31	32⅜
California Water & Telephone—			
Common	6.25	20	21⅜
$1.20 preferred	25	23¼	--
$1.24 conv preferred	25	40	--
$1.25 preferred	25	23½	--
Carolina Natural Gas Corp	1	6⅜	6¾
Carolina Pipe Line Co	1	6½	7¼
Carolina Power & Light—			
$4.20 serial preferred	*	94	96
$5 preferred	*	108½	--
Carolina Tel & Tel Co	20	46	49
Cascade Natural Gas Corp com	1	14¾	16⅞
55c preferred	*	10⅛	10½
Central Hudson Gas & Electric—			
4½% preferred	100	93½	--
4.75% preferred	100	94½	--
Central Illinois Elec & Gas —			
Common	4	29½	29⅞
4.10% preferred series A	100	88	--
4¾% preferred series C	100	100	103
4.80% preferred series D	100	101	--
Central Illinois Light Co—			
4.64% preferred	100	103	--
Central Illinois Pub Serv Co—			
4% preferred	100	87½	89½
4.92% preferred	100	102½	104
Central Indiana Gas Co	5	21¼	22½
Central Louisiana Electric com	5	37⅞	40⅛
4½% preferred	100	92	--
Central Maine Power common	10	40	40¼
3½% preferred	100	75	77
4.6% convertible preferred	100	187½	--
6% preferred	100	n117	124
Central Power & Light 4% pfd	100	86	--
Central Telephone Co common	10	34¾	35½
$1.35 preferred	*	26¾	27¼
$2.50 preferred series A	*	49	51
4.96% preferred	25	25¾	26¼
Central Vermont Pub Serv Co—			
Common	6	25¾	26⅛
4.15% preferred	100	80	--
4¾% preferred	100	90	--
5.44% conv series A 2nd pfd	50	60	--
Central West Co	1	6½	--
Chattanooga Gas Co	1	7	7⅝
Chenango & Unadilla Telep	20	38	40
Chesapeake Utilities	1.75	22½	24½
Cincinnati & Suburb Bell Telep	50	103	105
Cincinnati Transit Co	12.50	9½	10¼
Citizens Utilities Co—			
Class A	16⅔c	20⅜	22½
Class B	16⅔c	20½	22¼
City Gas Co of Florida	1	19¾	20½
Colorado Interstate Gas Co com	5	38	40½
5.35% preferred	100	104½	--
Columbus & Southern Ohio Elec—			
4¼% preferred	100	91	--
4.65% preferred	100	101½	--
Commonwealth Gas Corp	1	6⅜	7
Commonwealth Natural Gas	5	33	34
Commonwealth Telep Co (Pa)	10	24	24¾
Concord Electric Co	*	51	--
Concord Natural Gas Corp	5	32¾	--
Connecticut Light & Power Co—			
Common	*	35⅞	37⅞
$2.20 preferred	*	49	--
$2.06 preferred series E	*	46	--
$2.04 preferred	*	45½	--
$2.00 preferred	*	44½	--
$1.90 preferred	*	43	--
Connecticut Ry & Lighting	5	2¾	3½
Connecticut Water Co	*	24½	25½
Consumers Water Co	1	n40	42
Corning Natural Gas Corp	*	29½	30½
Cumberland Gas Corp	1	7	--
Dallas Power & Light Co—			
$4 preferred	*	89	--
4½% preferred	100	99	101
$4.24 preferred	*	95½	97½
$4.80 preferred	*	105¼	106¼
Dallas Transit Co common	10	16	--
7% preferred	100	94	--
Delaware Power & Light Co—			
3.70% preferred	100	82	85
4% preferred	100	n87	90
4.20% preferred	100	n93	--
4.28% preferred	100	n95	--
4.56% preferred	100	99	102
5% preferred	100	102	105
Denver Tramway common	*	5	7
1st preferred	*	28	30
Des Moines Transit Co	1	⅞	1⅛
Detroit & Canada Tunnel	5	16¼	17¾
Detroit International Bridge	1	18	18¾
Duke Power Co 5.36% pfd B	100	107½	108½
Duquesne Natural Gas common	1c	--	30c
$1.50 convertible preferred	25	13½	16½
Eastern Utilities Associates	10	51⅝	53¼
Edison Sault Electric Co	5	20½	21½
El Paso Electric Co (Texas)—			
Common	*	25⅞	27⅝
$4.12 preferred	*	92½	--
$4.50 preferred	*	99	--
$4.72 preferred	*	104	--
$5.36 preferred	*	a--	--
El Paso Natural Gas Co—			
4.10% 1st preferred	100	94	--
$5 conv 2nd pfd (1957 series)	*	100¼	101¼
5.36% preferred	100	101	--
5½% preferred (series 1951)	100	x101½	103
5.50% preferred (series 1956)	100	101½	103
5.65% preferred	100	103½	105
5.68% preferred (1957 series)	100	103	104½
6.40% pfd (2nd 1957 series)	100	105⅛	107
Elizabeth Consolidated Gas	10	36	39⅞
Elizabethtown Water Co (N J)	*	30½	33½
Empire & Bay States Tel gtd	100	55	--
Empire District Electric—			
4¾% preferred	100	99	--
Equitable Gas Co—			
4.36% convertible preferred	100	n110½	112
Ericsson (L M) Telephone—			
Class B	35 kr	30½	31½
Essex Company	50	25	--
Fall River Gas Co	10	n37	40
Fitchburg Gas & Electric Light	25	61	63
Florida Gas Co	1	10¾	11½
Florida Power Corp—			
4% preferred	100	85	88
4.58% preferred	100	103	104½
4.60% preferred	100	101	--
Florida Power & Light Co—			
4½% preferred	100	100	101½
Florida Public Utilities com	3	23½	24⅝
$1.12 convertible preference	20	24	26
4¾% preferred	100	81	--
Florida Telephone Corp class A	5	20⅜	20⅞
Florida Water & Utilities	1	9¼	9¾
Fort Worth Transit Co	10	6	7
Galveston-Houston Co	5	5	5½
Gary Railways	1	4	4½
Gas Service Co	10	43	45⅜
General Telephone & Electronics—			
4.25% convertible preferred	50	92	--
4.36% convertible preferred	50	61½	63
4¾% conv preferred	50	240	--
5.28% convertible preferred	50	75½	--
General Telephone Co of Calif—			
4½% preferred	20	x19¼	19¾
New 4½% preferred	20	19½	19⅞
5% preferred	20	21⅜	21¾
5½% preferred	20	x21¾	22¼
General Telephone Co of Florida	*	n52	--
General Telephone Co of Illinois—			
$2.375 preferred	*	49¾	--
General Telephone Co of Indiana—			
$2 preferred	*	40	--
$2.50 preferred	*	50	--
General Telephone Co of Iowa—			
5½% preferred	25	24	25½
General Telep Co of Kentucky—			
5% preferred	50	49	--
5.20% preferred	100	101	--
General Telep Co of Michigan—			
$2.40 preferred	50	49	--
$1.35 preferred	25	25½	--
General Telephone Co of the Northwest 4.80% preferred	25	24	--
General Telephone of Ohio—			
$2.20 preferred	*	45	--
$1.25 preferred	*	25¼	--
General Telephone Co of Penn—			
$2.10 preferred	*	46½	47½
$2.25 preferred	*	n49½	50½
General Telephone Co of the Southwest 5.10% preferred	20	21½	--
$2.20 preferred	*	45	--
General Telephone of Wisconsin—			
$5 preferred	100	101	--
$4.50 preferred	100	96	--
General Waterworks Corp com	1	29½	30¼
5% preferred	100	96½	98½
5.10% preferred	100	97	99
$5 voting preferred	100	96½	--
80c convertible 2nd preferred	1	29¾	--
$6 voting preferred	100	100	--
Georgia Power Co—			
$4.60 preferred (1954 series)	*	99¾	101½
$4.60 preferred (1962 series)	*	99	101
$4.96 preferred	*	102	--
$5 preferred	*	106	110
Gold & Stock Telephone gtd	100	172	182
Great Lakes Natural Gas Corp	50c	1⅛	1⅜
Green Mountain Power	3.33⅓	19⅛	19½
Greenwich Gas Co common	*	16	16¾
$1.50 preferred	*	25½	--
Gulf Cities Gas Corp class A	1	1⅝	1⅞
Gulf Natural Gas Corp	1	n3	3¾
Gulf Power Co 4.64% pfd	100	99	102
Hartford Electric Light Co—			
$3.90% preferred	50	n43	--
4.50% preferred	50	51	--
4.96% preferred	50	n51½	--
Hartford Gas Co			
New com (split 2 for 1)		39⅛	39⅝
New 8% pfd $12.50 par		n21	--
Haverhill Gas Co	10	36½	38
Hawaiian Electric Co	6.66⅔	28⅝	29
Holyoke Street Ry Co	10	7½	--
Holyoke Water Power	10	n50	55
Houston Lighting & Power—			
$4 preferred	*	89	91
Houston Natural Gas Corp			
Common	5	39	40½
5% preferred "$50 par"		51	52½
5% preferred "$25 par"		25½	26½
5¼% convertible preference	100	357	--
Hugoton Gas Trust "units"		13	14⅛
Hugoton Production Co	1	49	49½
Idaho Power Co 4% pfd	100	87	88
Illinois Bell Telephone Co	20	73½	74½
Indiana Gas & Water Co	*	28⅛	28⅝
Indiana & Michigan Electric—			
4⅛% preferred	100	91	93
Indiana Telephone Corp	*	40	42
Indianapolis Water Co	10	31¾	--
Inter-County Tel & Tel com	4.16⅔	38¾	39¾
5% preferred series A	25	24½	--
Intermountain Gas Co	1	17⅜	17⅞
Inter-Mountain Telephone Co	10	21¼	21¾
Interstate Power Co—			
4.36% preferred	50	46	--
5½% preferred	50	53	--
Iowa Electric Light & Power Co—			
4.80% preferred	50	51½	53½
Iowa-Illinois Gas & Electric—			
$4.36 preferred	100	94	--
$4.22 preferred	100	92	--
Iowa Power & Light Co—			
3.30% preferred	100	72	--
4.35% preferred	100	95	--
4.80% preferred	100	101½	--

*No par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend. z Ex-rights.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Iowa Public Service Co (Iowa)—			
Common	5	27¾	29½
3¾% preferred	100	84	86
4.20% preferred	100	92	--
Iowa Southern Utilities Co—			
New $10 par (shrs split 2-for-1)		t26	26⅜
Jamaica Water Supply common	*	64½	66
$5 preferred series A	*	97	--
Kansai Electric Power Co—			
American deposit receipts		20¾	21¼
Kansas Gas & Electric Co—			
4.28% preferrd series A	100	94	--
4.32% preferred	100	95	--
Kansas-Nebraska Natural Gas—			
Common	5	31⅞	32¼
$5 preferred	*	100	--
Kansas Power & Light Co—			
4½% preferred	100	98	--
5% preferred	100	101	--
Kentucky Utilities Co—			
Common	10	28⅞	29⅛
4¾% preferred	100	102	103½
La Crosse Telephone Corp	10	17	--
Laclede Gas Co—			
5% preferred series B	25	25½	27⅛
4.56% preferred series C	25	24½	25½
Lake Superior Dist Power com	10	27¾	28½
5% preferred	100	101	--
Lawrence Gas Co	10	30	--
Lewiston Gas Light common	10	12	--
5% preferred	100	88	--
Lincoln Tel & Tel Co common	25	83½	--
5% preferred	100	104	--
5% conv preferred 2nd series	100	133½	--
Louisiana Power & Light Co—			
4.16% preferred	100	90	--
4.44% preferred	100	98	--
4.96% preferred	100	102	--
Louisville Gas & Electric (Ky)—			
5% preferred	25	28	28¾
Lowell Gas Co	25	n38	38
Lynn Gas Co	10	n48	52
Madison Gas & Electric	8	39½	41⅞
Maine Public Service Co—			
4.75% preferred	50	46	49
Majestic Utilities	1	2¼	2¾
Massachusetts Electric—			
4.44% preferred	100	98½	--
4.76% preferred	100	n104	--
Mexican Light & Power Co com	*	12¼	13⅝
$1 preferred	13.50	12¼	13⅝
Michigan Gas & Electric com	10	92	95
4.40% preferred	100	93	--
Michigan Gas Utilities	2.50	17¾	18¼
Mid-America Pipeline Co	*	18¾	19¼
Mid-Continent Telephone Corp	*	17¾	18½
Middlesex Water Co common	*	36½	--
7% preferred	100	135	--
Middle States Telephone Co of Illinois common	10	38	41
5% preferred series C	20	20¼	21
Minneapolis Gas Co common	1	41	41¾
5½% preferred	100	108	--
$5.10 1st preferred	100	102	--
5% preferred	100	101	--
Mississippi Power Co 4.60% pfd	100	97½	--
Mississippi Power & Light Co—			
4.36% preferred	100	96	--
4.56% preferred	100	98	100
Mississippi Valley Gas Co	5	26¼	26¾
Missouri Natural Gas Co	2.50	14⅝	15⅛
Missouri Power & Light Co—			
3.90% preferred	100	84	--
4.30% preferred	100	92	--
Missouri Public Service Co—			
4.30% preferred	100	86	--
5.52% preferred	100	105	--
Missouri Utilities Co common	1	25	25¾
5% preferred new	100	96	--
5% preferred old	100	98	101
Mobile Gas Service Corp com	5	28½	30
4.90% preferred	100	97½	--
Monongahela Light & Power	50		
Montana Dakota Utilities—		45	--
4.50% preferred	100	96	98
$4.70 preferred	100	100	--
Montana Power Co—			
$6 preferred	*	116	--
$4.20 preferred	*	92	--
Muscle Shoals Natural Gas	1	10	--
Narragansett Electric 4½% pfd	50	48¼	51
4.64% preferred	50	51	--
Natural Gas Pipe Line Co of America 5¾% preferred	100	104½	--
5½% preferred	100	103	--
5¼% preferred	100	102	--
Nevada Northern Gas Co	1	21¾	23⅞
Nevada Power Co—			
5.20% preferred	20	20¾	21¾
5.40% preferred	20	21	22
5½% preferred	20	21	22
New England Gas & Elec Assn	8	37	39⅛
New England Power Co 6% pfd	100	122	126
4.60% preferred	100	102½	104
4.56% preferred	100	n--	104
New Haven Gas Co	25	46	46¾
New Haven Water Co	50	84½	86
New Jersey Natural Gas Co—			
New common (split 2-for-1)		t23	24⅝
6% preferred	20	22½	23
New Jersey Power & Light—			
4.05% preferred	100	89	--
New Orleans Public Service—			
4.36% preferred	100	96	--
4¾% preferred	100	100½	102½
Newport Electric Corp com	10	32	32¾
3¾% preferred	100	70	--
Newport Gas Light Co	*	--	17
N Y State Electric & Gas—			
4.15% preferred series 1954	100	89½	--
4.50% preferred	100	101½	--
4½% preferred (1949 series)	100	101	--
Niagara Frontier Transit System	10	12¼	13
Nippon Electric Co Ltd—			
American dep shares	50 yen	16	16½
North Carolina Nat Gas Corp	2.50	4⅝	4⅞
North Carolina Telephone Co	1	1⅝	1¾
North Penn Gas Co	5	12¾	13⅛
North Shore Gas (Mass)	10	26	--
Northern Illinois Gas Co com	5	60¾	61½
5% conv preferred	100	128	131
5.50% preferred	100	108	110
Northern Indiana Public Service			
4.22% preferred	100	93	--
4¼% preferred	100	93½	--
4.40% conv junior preference	40	108	--
4½% preferred	100	98	101
Northern Ohio Telephone com	100	54	56
4¼% preferred	100	n80	--
4½% preferred	100	85	--
5% class A preferred	100	95	--
Northern Ontario Natural Gas	*	18	18½
Northwest Natural Gas Co—			
Common	9.50	34¾	36¾
5.72% preferred	100	a--	--
5¾% preferred	100	102½	--
Northwestern Public Serv com	3	30⅜	31
4½% preferred	100	95	--
Ohio Power Co—			
4.08% preferred	100	91	--
4.20% preferred	100	94	--
4.40% preferred	100	98½	--
4½% preferred	100	100½	--
Ohio Water Service Co	10	36	39⅛
Oklahoma Natural Gas Co—			
4¾% preferred A	50	51	52½
Orange & Rockland Utilities—			
4.65% preferred series A	100	99	--
Otter Tail Power Co—			
Common	5	24	24⅜
$3.60 preferred	*	71	--
$4.40 preferred	*	85	--
Pacific Gas Transmission Co	*	16⅝	17⅝
Pacific Power & Light Co—			
Common	3.25	26⅜	28
4.52% preferred	100	87½	--
5% serial preferred	100	n96½	--
5.40% preferred	100	n103	--
5.64% preferred	100	107½	109
6.16% preferred	100	106	107½
7% preferred	100	n135	--
Panhandle Eastern Pipe Line—			
4.64% preferred	100	n--	104½
Penn Ohio Gas Co	10c	¼	⅝
Pennsylvania & Southern Gas	1.25	33	35
Pennsylvania Electric Co—			
4.40% preferred series B	100	98	99½
3.70% preferred series C	100	83	--
4.05% preferred series D	100	90	91
4.70% preferred series E	100	103	105
4.50% preferred series F	100	99½	101½
4.60% preferred series G	100	102	--
Pennsylvania Gas & Water Co—			
Common	*	45½	46¼
4.10% preferred	100	89	91
Pennsylvania Power Co—			
4¼% preferred	100	95	97
4.24% preferred	100	95	--
4.64% preferred	100	103½	104½
Pennsylvania Power & Light			
3.35% preferred	100	75	--
4.60% preferred	100	101½	--
Phila Suburban Transportation	2.50	20	22
5% preferred	50	43	--
Philadelphia Suburban Water—			
Common	3.75	30⅜	32¼
5% preferred	100	103	105
Philadelphia Transportation Co	10	9	9½
Piedmont Natural Gas Co com	50c	18⅛	19⅜
$5.50 convertible preferred	*	110½	--
Pioneer Natural Gas Co	3.75	32¾	33¼
Pioneer Telephone Co	33⅓c	17¼	18
Portland Gas Light common	*	7¾	8⅝
$5 preferred	*	85	90
Portland General Electric	3.75	27½	29⅛
Potomac Edison Co 3.60% pfd	100	74	--
4.70% preferred series B	100	96	--
Potomac Electric Power Co—			
$2.44 serial preferred	50	51¾	--
$2.46 serial preferred	50	52½	54
Public Service Co of Colorado—			
4.64% preferred	100	103	104½
4.90% preferred	100	105	--
Public Serv of New Hampshire—			
Common	5	26½	26⅞
3.35% preferred	100	70	--
4½% preferred	100	87½	--
Public Service Co of New Mexico—			
Common	5	32¼	32⅝
5% series A preferred	100	99	--
5.25% pfd w w 1959 series	100	142	--
Without warrants		102½	--
Public Service Co of N C	1	13¼	14¼
Public Service of Oklahoma—			
4% preferred	100	87	89
4.24% preferred	100	n91½	--
Puget Sound Power & Light Co—			
4.84% preferred	100	103¾	104¾
Quebec Natural Gas Corp	1	6¾	7⅛
Roanoke Gas Co (Va)	5	27	--
Rochester Gas & Electric—			
4% preferred series F	100	87	--
4.10% preferred series H	100	91	--
4¾% preferred series I	100	100½	--
4.10% preferred series J	100	91	--
4.95% pfd series K	100	102	--
Rochester Telephone Corp—			
5% preferred	100	100	--
Rochester Transit Corp	*	5½	6½
Rocky Mountain Natural Gas	3	5	5⅜
$50 units		64	--
$20 units		29	--
St. Joseph Light & Power—			
5% preferred A	100	100	--
San Jose Water Works com	12.50	35¾	36¾
4¾% preferred series A	25	23¼	--
4¾% preferred series B	25	23¼	--
4.70% preferred series C	25	23¼	--
4.70% preferred series D	25	39½	--
5½% preferred series E	25	39½	--
Savannah Electric & Power Co	5	33½	35¾
4.36% preferred series A	100	92	--
Sierra Pacific Power Co	3.75	35½	36
South Atlantic Gas Co com	5	21¾	22½
5% preferred	100	92	--
South Georgia Natural Gas Co	1	10¼	11
South Pittsburgh Wat 4½% pfd	100	92	--
Southeastern Telephone Co	10	29	30
Southern California Edison		a--	--
Southern California Water	5	18½	19½
Southern Gas & Water Co com	*	34	36⅝
$4.50 preferred	*	84	--
$5 preferred	*	94	--
Southern Gulf Utilities Inc	5c	14¾	16
Southern New England Tel	25	52	54⅝
Southern Union Gas Co common	1	31	32⅞
4¼% preferred	100	88	--
4½% preferred	100	93	--
4¾% preferred	100	99	--
5% preferred	100	100	--
5.05% preferred	100	100½	--
5.35% preferred	100	103	--
4.55% preferred	100	--	99½
Southwest Gas Corp common	1	36¼	37
$1.20 conv prior preferred	9	36¼	--
Southwest Gas Producing	1	7⅞	8⅝
Southwestern Electric Power—			
4.65% preferred	100	102½	--
4.28% preferred	100	96	--
Southwestern Electric Service	1	20½	22¼
Southwestern Public Service Co—			
3.70% preferred	100	80	--
3.90% preferred	100	85	88
4.15% preferred	100	88	90
4.36% preferred	25	24	--
4.40% preferred	25	24¼	--
4.60% preferred	100	99½	101½
5% preferred	25	26¼	--
Southeastern States Telephone—			
Common split 2-for-1		21¾	22⅛
$1.32 conv preferred	25	47¼	--
$1.44 conv preferred	25	49½	--
Springfield Gas Light Co	10	29½	31
Susquehanna Corp	1	7⅝	7⅞
Syracuse Transit Corp	*	21	--
Tampa Electric Co—			
4.32% series A preferred	100	96½	98½
4.16% series B preferred	100	96	98
5.10% series C preferred	100	104	106
Telephones Inc	1	10¾	12
Telephone Service Co. of Ohio—			
Class A	1	31	33½
Class B	1	--	50
$5 non-cum preferred	5	91	--
Tennessee Gas Transmission Co			
4.10% preferred	100	93½	95½
4.25% preferred	100	94½	96
4.50% conv 2nd preferred	100	98	101
4.60% preferred	100	97	99
4.64% preferred	100	97	99
4.65% preferred	100	98	--
4.72% conv 2nd preferred	100	97¼	98¼
4.90% preferred	100	98½	100
4.92% conv 2nd preferred	100	102	103
5% convertible 2nd preferred	100	103½	104½
5.08% preferred	100	101	102½
5.10% preferred	100	101	102½
5.12% preferred	100	101	102½
5.24% preferred	100	102	103½
5.25% preferred	100	102	103½
Tennessee Natural Gas Lines	1	14¼	15⅜
Texas Eastern Transmission—			
5% preferred	100	99½	--
5.125% conv preferred	100	110½	111½
5.35% subord conv pfd	100	111	113
5.50% 1st preferred	100	101¼	--
5.52% preferred	100	102½	104
5.60% preferred	100	103	--
5.75% subord conv pfd	100	148	150
5.80% preferred	100	104	106
5.85% preferred	100	105	107
6.70% preferred	100	106	--
Texas Electric Service Co—			
$4 preferred	*	89	--
$4.56 preferred	*	99½	101½
$4.64 preferred	*	101½	103½
$5.08 preferred	*	104	--
Texas Gas Producing	25c	17⅝	19

*No par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend. z Ex-rights.

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PUBLIC UTILITY STOCKS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Texas Gas Transmission Corp—			
5¼% conv 2nd preferred	100	133	--
4.96% preferred	100	99	101
5.40% preferred	100	101½	--
Texas Power & Light Co—			
$4 preferred	*	89	--
$4.56 preferred	*	101¾	--
$4.76 preferred	*	101	103
$4.84 preferred	*	100½	--
Toledo Edison Co—			
4.56% preferred	100	100	--
Trans-Canada Pipe Lines Ltd	1	26	26½
Transcontinental Gas Pipe Line—			
Common	50c	23¼	23½
$2.55 preferred	*	51½	53
$4.90 preferred	*	99	100½
$5.26 preferred	*	102	--
$5.60 preferred	*	103	105
$5.70 preferred	*	104	106
$5.96 preferred	*	104½	--
Tucson Gas & Electric Lt & Pow	5	23⅝	25¼
United Cities Gas Corp (Ill)	1	15¾	16½
United Gas Improvement—			
4¼% preferred	100	96	99½
United Illuminating Co	*	37	38½
United Telephone Co of Pa—			
4½% preferred series A	100	97	--
United Traction (Albany)	*	n19	--
United Transit Co common	1	7½	8½
5% preferred	50	40	--
Upper Peninsula Power com	9	28¾	29¼
5¼% preferred	100	99¾	--
Utah Power & Light Co—			
$1.28 preferred series A	25	26	--
$1.18 preferred series B	25	n--	26⅝
Utilities & Industries Corp	2	16⅝	17⅛
Virginia Electric & Power Co—			
All issues listed NYSE			
Virginia Telep & Teleg Co	10	22	23
Volunteer Natural Gas	1	7⅜	8
Washington (D. C.) Gas Light—			
$4.25 preferred	*	88¼	--
$4.60 convertible preferred	*	140	--
$4.80 preferred	*	103	--
$5 serial preferred	*	103½	--
Washington Natural Gas Co	10	37¼	39⅜
West Coast Telephone Co—			
Common	5	22⅜	23⅞
$1.44 junior conv preferred	25	n59	--
West Ohio Gas	5	18	18¾
West Penn Power Co	*	78½	83
West Texas Utilities 4.40% pfd	100	96	--
Westcoast Transmission Co Ltd	*	13	13½
Western Gas Service	2	16½	18
Western Kentucky Gas	5	28	30⅛
Western Light & Telephone—			
Common	5	37½	37⅞
5% preferred	25	25¾	--
Western Massachusetts Cos	50c	33½	34½
Western Power & Gas com	5	31½	31⅞
4.75% preferred series A	50	50	51½
4.75% preferred series B	50	50	51½
4.72% preferred 1st series	50	49½	--
4.72% preferred 2nd series	50	49½	--
5.44% preferred	50	52	53
$2.75 preferred	*	53	54
$2.55 preferred	50	53	54
Western Utilities Corp	1	14¾	16
White River Propane Gas	1	2¾	3¼
Wisconsin Electric Power Co—			
3.60% preferred	100	80½	--
Wisconsin Michigan Power—			
4½% preferred	100	98½	--
Wisconsin Power & Light Co—			
Common	5	23⅝	24
4.40% preferred	100	95	99
4.80% preferred	100	101	--
4.96% preferred	100	102½	105½
Wisconsin Public Service Corp—			
5% preferred	100	103	--
5.04% preferred	100	103	--
5.08% preferred	100	103½	--
Wisconsin Southern Gas	10	29	--
York County Gas	20	36	--
York Water Co	10	34½	--

*No par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend. z Ex-rights.

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Investing Companies Stocks and Bonds

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bonds prices are "and interest" except where marked "f" and income and defaulted bonds

OVER-THE-COUNTER STOCKS AND BONDS

	Par	Bid	Ask
Aberdeen Fund Inc	25c	2.22	2.43
Admiral Finance 6¼s 1970		98½	--
Advance Growth Capital Corp	1	3¾	4
Advisers Fund Inc	1	6.59	7.27
Aetna Finance Company common	1	14¾	15¼
5⅝s conv subord debs 1975	F-A	103	109
Affiliated Fund Inc	1.25	8.05	8.70
Aid Investment & Discount Inc—			
6% capital notes 1972	M-S	78	--
All-State Credit class A	10c	2⅜	2¾
Allied Empire Corp	1	n7	8½
Allied Finance Co	5	37	--
American Business Shares Inc	1	4.10	4.43
American Discount Co of Georgia	*	29	30½
American European Securities	*	28½	29½
American Financial Corp	*	18½	20⅛
American Growth Fund Inc	1c	6.09	6.58
American Investors Corp	1	⅛	⅛
American Investors Fund	1	‡16.74	--
American Mutual Fund Inc	1	9.36	10.23
American Realty Trust	1	9⅞	10¼
Amer Savings & Loan Assn	33⅓c	6¾	7⅛
Anchor Corp class B non-vot	50c	15⅜	15⅞
Anderson New England Capital	1	5¾	6¼
Arizona Bancorporation	10	20	20¾
Associated Fund Inc trust shares	*	1.53	1.68
Associates Investment Co—			
4⅜s 1984 (now listed NYSE)			
Atkinson Corp common	5	20½	22½
5% preferred	100	70	--
Atlas Credit Corp common	10c	13¾	14¼
Atlas Finance Co Inc	5	9¾	10½
Atomics Physics & Science Fund Inc	33⅓c	4.54	4.96
Automobile Banking Corp com	25c	5⅛	5¾
Class A purchase wts		⅛	1⅛
$1.50 preferred	25	21	--
6% convertible B preferred	10	7	--
6¼s capital debs ww 1976	F-A	99	--
Avemco Finance Corp	50c	5½	--
Axe-Houghton Fund A Inc	1	5.74	6.24
Axe-Houghton Fund B Inc	1	8.98	9.76
Axe-Houghton Stock Fund Inc	1	4.05	4.43
Axe Science & Electronics Corp	1c	10.83	11.77
Axe-Templeton Growth Fund of Canada, Ltd—			
Name changed to Templeton Growth Fund of Canada			
Baystate Corp	7.50	61	63
Belmont Savings & Loan		14⅛	15⅜
Beneficial Corp	1	36	38⅜
Beneficial Finance Co—			
4.45s debentures 1988	J-D	99	--
Blue Ridge Mutual Fund Inc	1	11.64	12.72
Bondstock Corp	1	4.70	5.14
Boston Capital Corp	1	7¼	7½
Boston Fund Inc	1	x9.59	10.48
Boston Investment Co	50	140	--
Brentwood Financial Corp	1	12⅛	13⅛
Broad Street Investing Corp	50c	14.06	15.20
Budget Finance Plan—			
6s series A			
Subord cap inc debs 2010	Q-J	93	--
Bullock Fund Ltd	1	13.25	14.53
Business Funds, Inc	8	6	6¼
California Financial Corp.			
5s conv subord debs 1977	A O	113	117
California Fund Inc	1	7.33	8.01
California Growth Capital Inc	5	5⅛	5½
Cambridge Financial Corp cl A	1c	¼	⅝
Canada General Fund (1954) Ltd	1	16.64	18.19
Canadian Fund Inc	1	16.60	17.96
Canadian Inter'l Growth Fd Ltd	1	10.94	11.96
Capital Life Insurance & Growth Stock Fund	1c	11.09	12.16
Capital Southwest Corp	1	5¼	5¾
Carolinas Capital Corp	1	5¾	6½
Centennial Fund Inc		‡11.58	--
Central Invest Corp of Denver	2.50	1.75	1.85
Century Shares Trust (Boston)	1	14.51	15.86
Channing Financial Corp com	1	9¾	10½
Chase Fund of Boston	1	6.38	6.97
Chemical Fund Inc	25c	11.29	12.27
Christiana Securities Co com	1.25	212	218
7% preferred	100	133	138
C I T Financial Corp—			
5⅛s debentures 1980	J-J	104½	--
4⅝s debentures 1979	J-J	100½	--
Series debentures—			
4¾s	July 1 1964	100½	--
4¾s	July 1 1965	101¼	--
4¾s	July 1 1966	101¾	--
4¾s	July 1 1967	102	--
4¾s	July 1 1968	102	--
4¾s	July 1 1969	102	--
4¾s	July 1 1970	103½	104½
Citizens & Southern Capital Corp	1	3⅝	4
Civic Finance Corp	2	14	15¾
Colonial Acceptance Corp—			
Class A common 1st series	1	7	7½
Colonial Fund, Inc	1	11.38	12.44
Colonial Growth & Energy Shares	1	12.24	13.38
Commerce Investment Corp	1	1¼	1¾
Commercial Credit Co—			
3½% notes due 1965	J-D	94	--
3⅝% notes 1976	F-A	92¼	--
4¼% notes 1974	A-O	99½	--
4½% subord notes 1977	M-S	99¾	--
5% notes 1977	J-D	104½	--
4⅛% notes 1978	J-J	97	--
4¾% notes 1979	J-J	103¼	--
4¾% notes 1980	M-N	103¼	--
5¼% notes 1980	J-J	105½	--
4⅜% notes 1981	A-O	100	--
Commonwealth Financial Corp	10	7	8
Commonwealth Fund—			
Plans A and B		1.58	--
Plans C and D		1.61	--
Commonwealth Income Fund Inc	1	9.90	10.82
Commonwealth International & General Fund Inc	1	10.09	11.03
Commonwealth Investment	1	9.83	10.74
Commonwealth Loan 4% pfd	100	81	--
Commonwealth Realty Trust—			
Certificates of beneficial interest		8	8½
Commonwealth Stock Fund	1	15.98	17.46
Composite Bond & Stock Fund	50c	9.45	10.27
Composite Fund Inc	50c	8.42	9.15
Concord Fund Inc	1	12.34	--
Congress Street Fund Inc		‡88.87	--
Consolidated Credit Corp—			
Class B	1	8¾	9¼
Consolidated Investment Trust	1	19.00	21.50
Consultant's Mutual Investment	10c	‡9.82	--
Consumers Acceptance Corp—			
Class A	10c	9½	10¼
Continental Capital Corp	10	10⅛	10⅝
Continental Growth Fund Inc	1c	n6.69	7.31
Continental Investment Corp	3⅓	12½	13
Continental Mortgage Investors	*	14¼	14¾
Corporate Leaders Trust Fund B		18.95	20.72
Crown Western Investments Inc—			
Diversified Income Fund	1	6.48	7.09
De Vegh Mutual Fund Inc	1	58.67	59.26
Delaware Fund Inc	1	11.25	12.30
Delaware Income Fund Inc	1	10.41	11.38
Delaware Valley Financial Corp—			
Class A	1	2⅞	3¼
Class B	1	1½	1⅝
Delta Capital Corp	1	5⅜	6
Dempster Investment Co	1	6	--
Denver Real Estate Inv Assn	*	9⅛	9⅝
Developers Small Business Investment Corp	1c	3⅛	3⅜
Devonshire Street Fund Inc		‡9.76	--
Dial Finance Co	*	38½	40½
Distributors Group Inc "A"	5c	n4½	5¼
Diversification Fund Inc		‡21.29	--
Diversified Growth Stock Fund	1	8.61	9.44
Diversified Investment Fund	1	x9.10	9.97
Diversified Trustee Shares ser C	1	15½	--
Dividend Shares Inc	25c	3.37	3.70
Dow Theory Investment Fund Inc	1	4.68	5.06
Dreyfus Fund Inc	1	17.02	18.50
Eaton & Howard Balanced Fund	50c	12.60	13.61
Eaton & Howard Stock Fund	50c	13.73	14.84
Economic Investment Trust—			
3s series B 1964	J-J	98½	--
Electronics Capital Corp	1	7¾	8
Electronics Investment Corp	1	4.96	5.42
Electronics International Capital Ltd	£1	4⅞	5⅝
Electro-Science Investors Inc com	1	1⅝	1⅞
5½s debs eer A 1972	M-S	66	70
Empire Financial Corp	1	15⅛	15½
Empire Fund		‡22.94	--
Energy Fund Inc	1	‡21.88	--
Equitable Credit Corp (N Y)—			
20c participating preferred	2	4¾	--
Equitable Credit & Discount—			
6½s junior conv sub debs '77	F-A	90	--
Common	*	1¾	2⅛
Equitable Savings & Loan Assn	4	32¾	34¾
Equity Fund Inc	20c	8.86	9.18
Equity Investment Corp	10c	¼	½
Far West Financial Corp	1	21	22½
Federal Street Fund Inc	1	‡45.28	--
Federated Growth Fund	1	10.05	10.99
Federated Investors Inc—			
Class B non-vot	5c	3½	5½
Fidelity America Financial Corp	10c	2	2¾
Fidelity Capital Fund Inc	1	8.62	9.37
Fidelity Fund Inc	1	15.96	17.25
Fidelity Trend Fund Inc	1	14.27	15.51
Fiduciary Mutual Invest Co Inc	1	9.39	10.15
Finance Co of Pennsylvania	10	81	--
Financial Corp of Arizona	5	5	5⅜
Financial Corp of Santa Barbara	1	14⅞	16⅛
Financial General Corp—			
5¼s subord sf debs ww 1978	J-D	106½	107½
Without warrants		95	96
Financial Industrial Fund Inc	1c	4.30	4.71
First Bank Stock Corp	10	64½	65¼
First Boston Corp	10	84¼	87½
First Connecticut Small Business Investment Co	1	7⅞	8¼
First Financial Corp of the West	*	13¼	14⅜
First Investors Corp class A	1	8½	9
First Lincoln Financial Corp	*	17¼	18½
First Midwest Capital Corp	5	7¾	8⅞
First Mortgage Investors	*	13½	13⅞
First National Real Estate Trust	*	9	9⅞
First Research Corp	10c	2⅜	2⅝
First Small Business Investment Corp of N J	1	7	7½
First Southern Co	1	4¼	4⅝
First Surety Corp	1	17¼	18½
First Virginia Corp	1	5⅜	5¾
First Western Financial Corp	1	42¾	45
Florida Bancgrowth Inc	1	11⅜	11⅞
Florida Growth Fund Inc	10c	5.99	6.55
Florida Mutual Fund	1	2.06	2.25
Founders Mutual Depositor Corp—			
(Colo) class A	*	2¼	2⅝
Founders Mutual Fund	*	6.06	6.59
Foursquare Fund Inc	1	10.63	11.62
Franklin Custodian Funds—			
Bond series	1c	2.57	2.83
Common stock series	1c	6.41	7.05
Preferred stock series	1c	2.63	2.89
Utilities series	1c	7.76	8.53
Franklin Realty—			
Shares of beneficial int	*	10	10½
Fund of America Inc	1	7.56	8.22
Fundamental Investors Inc		9.79	10.73
Funds for Business class A	10c	4	--
General Acceptance Corp—			
Senior deb 4¾s 1971	F-A	99¾	--
Subord deb 5s 1970	J-D	100	--
Subord deb 6¼s ww 1974	M-N	113	--
Senior debs 5½s 1976	A-O	100½	--
6s senior debentures 1980	F-A	102	--
5s conv subord debs 1981	J-D	98½	--
General America Corp	5	116	119
General Contract Finance Corp—			
5½% conv preferred series A	20	18½	--
General Corp of Ohio	1	18	18½
General Investors Trust	1	6.91	7.51
General Motors Acceptance Corp of Canada Ltd—			
4s June 1 1964		91½	92½
4¾s Dec 15 1969		89	91
Gibraltar Financial Corp of Calif—			
4½s conv subord debs 1976	J-D	99½	--
Government Employees Financial Corp	2	34½	36
Great Southern Real Estate Trust	*	10¾	11¼
Great Southwest Corp	1	20¼	22
Greater Washington Indus Invests	1	3¾	4
Greenfield Real Estate Inv Tr	*	15¼	16¼
Group Securities Inc—			
Aerospace-Science	1c	6.66	7.31
Common (The) Stock Fund	1c	13.22	14.47
Fully Administered Shares	1c	9.53	10.44
Growth Capital Inc	1	10⅜	10¾
Growth Industry Shares Inc	1	17.70	18.23
Guardian Mutual Fund Inc	1	‡22.15	--
Gulf-Southwest Capital Corp	1	5⅛	5⅝
Hamilton Funds Inc—			
Series H-C7	1	5.00	5.46
Series H-DA	1c	4.87	--
Hamilton Management Corp—			
Class A com non-vot	1c	14¼	15⅜
Hawthorne Financial Corp	1	9½	10
Hilton Credit Corp	1	3⅛	3⅜
Illinois Capital Investment Corp	1	3⅞	4⅜
Imperial Capital Fund Inc	1c	7.94	8.63
Imperial Fund Inc	1c	3.42	3.72
Income Foundation Fund	10c	2.36	2.58
Income Fund of Boston Inc	1	8.23	8.99
Incorporated Income Fund	1	9.53	10.42
Incorporated Investors	1	6.97	7.62
Institutional Shares Ltd—			
Institutional Foundation Fund	1c	11.98	13.09
Institutional Growth Fund	1c	10.48	11.45
Institutional Income Fund	1c	7.17	7.84
Insurance Securities Inc	*	21¼	23
International Resources Fund Inc	1c	4.71	5.15
Interstate Finance Corp	1	20½	21¼
Interstate Securities Co	5	8½	9¼
Investment Co of America	1	10.43	11.40
Warrants		15½	16½
Investment Corp of Florida	2c	3⅛	3⅜
Investment Trust of Boston	1	11.44	12.50
Investors Capital Exchange Fund		‡80.45	--
Investors Diversified Services—			
Class A non-voting	1	228	233
Investors Group Funds—			
Investors Mutual Inc Fund		11.39	12.32
Investors Stock Fund		18.56	20.06
Investors Selective Fund		10.46	11.18
Investors Variable Paymt Fund		6.77	7.32
Investors Intercontinental		6.02	6.51
Investors Research Fund	1	12.25	13.39
Istel Fund Inc	1	35.29	36.00
Japan (The) Fund Inc	1	9⅛	9½
Johnston Mutual Fund Inc	1	‡13.31	--
Keystone Custodian Funds Inc—			
Class A com non-vot	*	17	18⅜
B-1 Investment Bond Fund	1	24.84	25.93
B-2 Medium-Grade Bond Fund	1	23.41	25.54
B-3 Low Priced Bond Fund	1	16.48	17.99
B-4 Discount Bond Fund	1	10.33	11.27
K-1 Income Fund	1	x9.08	9.92
K-2 Growth Fund	1	5.15	5.63
S-1 High-Grade Com Stk Fund	1	21.83	23.81
S-2 Income Com Stock Fund	1	12.97	14.16
S-3 Growth Com Stk Fund	1	14.66	15.99
S-4 Low Prieed Com Stk Fund	1	4.16	4.54
Keystone International Fund Ltd	1	14.20	15.42
Knickerbocker Fund	1	x6.28	6.88
Knickerbocker Growth Fund Inc	1	6.27	6.87
Lazard (The) Fund Inc	1	16.00	16.87
Lexington Income Trust	1	11.14	12.17
Liberty Loan Corp common	1	44½	47⅜
5¾% conv preference	25	36¾	31½
Liberty Real Estate Trust	1	7	7⅝
Life Insurance Investors Inc	1	17.26	18.86
Life Insurance Stock Fund Inc	1	6.70	7.30
Livestock Financial Corp	1	5	5½
Loomis-Sayles Canadian & International Fund Ltd	1	‡29.78	--
Loomis-Sayles Mutual Fd Inc	1	‡15.51	--
Lytton Financial	1	35¼	37⅜
Major Finance Corp	2	2¾	--
Managed Funds—			
General Industries shares	1c	1.74	1.90
Special Investment shares	1c	1.53	1.67

*Without par value. †Net asset value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock x Ex-dividend. y Ex-stock dividend.

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INVESTING COMPANIES SECURITIES

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bonds prices are "and interest" except where marked "f" and income and defaulted bonds

Stocks and Bonds—	Par	Bid	Ask
Marine Capital Corp	1	8½	8¾
Mass Investors Growth Stock Fund Inc	1	14.92	16.09
Massachusetts Investors Trust—Shares of beneficial interest 33⅓c		8.12	8.87
Massachusetts Life Fund	1	23.02	25.16
Medical Securities Inc	1	10.67	11.66
Mercantile Financial Corp	2	12	13⅛
Midland Capital Corp	1	7⅛	7⅜
Midland-Guardian Co	*	17¼	18¼
Mid-States Business Capital	1	6⅞	7¼
Midwestern Corp	1	9¾	10¼
Minnesota Capital Corp	10c	40c	50c
Monmouth Capital Corp	1	5¾	6¼
Morton (B C) Fund Inc—Growth Series		6.40	7.01
Insurance Series		8.79	9.63
Mutual Investing Foundation	1	x15.11	16.34
Mutual Investing Foundation Growth Fund	1	4.33	4.68
Mutual Investment Fund	1	9.57	10.50
Mutual Shares Corp	1	‡14.98	--
Mutual Trust Inc—Shares of beneficial interest	25c	2.82	2.88
Narragansett Capital Corp	1	3⅞	4⅜
Nation Wide Secur Co Inc (Md)	1	22.46	24.30
National Capital class A	1	--	⅛
National Investors Corp	1	15.14	16.37
National Realty Investors	*	11¾	12¼
Nat'l Securities & Research	8⅓c	8½	9
National Securities Series—			
Balanced series	1	11.47	12.54
Bond series	1	6.11	6.68
Dividend series	1	4.11	4.49
Preferred stock series	1	x7.20	7.87
Income series	1	5.92	6.47
Stock series	1	x7.83	8.56
Growth stocks series	1	7.79	8.51
National Western Fund		9.44	10.35
New England Fund	1	11.42	12.35
New Horizons R P Fund Inc	1	9.29	9.38
New York Capital Fund Ltd	34c	‡15.44	--
North River Securities (N Y)	1	4⅛	4⅝
Nucleonics Chem & Electronics Shs	1	12.24	13.38
Oceanic Trading Co	10c	35	40
Ohio Capital		‡16.16	--
One William Street Fund Inc	1	12.82	14.01
Oppenheimer Fund Inc	1	15.38	15.81
Over-The-Counter Sec Fund Inc	1	5.71	6.21
Oxford Finance Cos Inc	1	7	7¾
Pacific Finance Corp			
3½s debenture 1965	J-J	97	--
4⅝s debentures 1971	A-O	101¾	--
4½s capital debs 1967	M-S	100	--
Pacific Savings & Loan Ass'n	18c	14⅞	16
Parker Finance Corp	50c	2¼	2¾
Penn Square Mutual Fund—Ctfs of beneficial interest		‡16.00	--
Pennsylvania Real Estate Investment Trust	8	10½	11½
Pennsylvania Utilities Investment	1	22	24
Peoples Securities Corp	50c	7.98	8.75
Philadelphia Fund Inc	1	11.38	12.47
Pine Street Fund Inc	50c	11.38	11.49
Pioneer Finance Co	1	9¼	10¼
Pioneer Fund Inc	2.50	9.45	10.33
Price (T Rowe) Growth Stock Fund Inc	1	15.25	15.40
Provident Fund for Income Inc	1	4.16	4.55
Puerto Rico Capital Corp	1	4	4¼
Puritan Fund Inc	1	8.52	9.21
Putnam (George) Fund of Boston—Ctfs of beneficial interest	1	14.94	16.33
Putnam Growth Fund	1	8.68	9.49
Putnam Management Co Inc	*	7⅞	8⅛
Quarterly Distribution Shares Inc	1	7.06	7.72
Research Investing		10.51	11.49
Revere Fund Inc	1	11.09	12.05
Ritter Finance Co—			
6% conv preferred	50	47½	--
6½s subord sf debs 1975 ww	M-N	99	--
Rittenhouse Fund		‡13.29	--
Riverside Financial Corp		7¼	8
Rochester Capital Leasing Corp—Class A	1	16½	17
St Louis Capital	1	7½	8⅝
Science Capital Corp	1	4⅛	4⅜
Scudder Fund of Canada Ltd	25c	‡14.00	--
Scudder, Stevens & Clark Balanced Fund Inc	1	‡19.34	--
Scudder Stevens & Clark—Common Stock Fund	1	‡10.31	--
Second Centennial Fund Inc		‡15.19	--
Securities Invest Co of St Louis—			
4¾s debs 1968	J-D	96	--
Selected American Shares Inc	1.25	9.65	10.44
Shareholders Trust of Boston	1	10.82	11.83
Shares in American Industry Inc		14.12	15.40
Shawmut Association	*	39¾	42½
Sierra Capital Corp	*	4¾	5
Small Business Investment Co of New York	1	10⅛	10½
Smith Investment Co	2	2.16	--
Southeastern Capital Corp	1	5⅝	5⅞
Southeastern General Corp	10c	1⅛	1⅜
Southwestern Capital Corp	1	1⅜	1⅝
Southwestern Investment Co	2.50	13⅝	14
5½s senior notes 1975	M-S	100	--
5¾s capital notes 1975	M S	99	--
Southwestern Investors Inc	50c	8.42	9.10
Southw't'n Research & Gen Inv	5	5⅜	6
Sovereign Investors Inc	1	14.44	15.81
Spring Street Capital Co	1	6½	7⅛
State Loan & Finance Corp—			
Class A	1	22	22¾
6% preferred	25	25¼	26
3¾s debentures 1966	M-N	96¼	--
5.40s s f debs 1980	J-J	102	--
5.40s s f debs 1981	J-D	101½	--
6s subord s f debs 1977 ww	M-S	n110	--
5⅝s subord debs ww 1978	M-N	107	--
5½s subord s f debs '78 ex	M-N	97	--
5¾s 1978 ww	M-N	107	--
4⅝s s f debentures 1983	J-D	98½	--
5¼s capital subord debs 1983	J-D	98	--
State Street Investment Corp	10	39.50	42.25
Stein Roe & Farnum Balanced Fund Inc	1	‡37.51	--
Stein Roe & Farnham—Stock Fund Inc	1	‡31.83	--
Stephenson Finance	2.50	9	10
6s sf subord debs 1978	M-N	99	--
Sterling Investment Fund Inc	1	12.20	13.19
Supervised Investors Services Inc	1c	7¾	8⅛
Techno Fund Inc	1	2⅞	3⅜
Television-Electronics Fund	50c	7.35	8.01
Templeton Damroth Corp	10c	6	7
Templeton Growth Fd of Canada	1	9.58	--
Texas Capital Corp	1	4	4¼
Texas Consumer Finance	80c	3	3½
Texas Fund Inc	1	12.15	13.28
Thorp Finance Corp	1	7⅜	8⅜
Thrift Investment Corp common	1	10½	11½
$1.50 conv preferred	*	27½	29½
Townsend Corp of America—Common	25c	⅝	⅞
5% conv preferred	10	6½	7½
Traders Finance 5¾s 1973	J-J	91¾	93¾
Trans-Coast Investment Co	5	14⅞	16
Transcontinental Investing Corp—Class A common	1	9	9¾
6½s conv subord debs 1981		94	96
Tri-Continental Corp—			
3⅞s debs series A 1966	M-S	99½	--
20th Century Growth Investors	10c	3.99	4.36
UBS Fund of Canada	1	10.25	11.20
Union Financial Corp	1	7⅜	8¼
United Funds Canada Ltd	1	17.58	19.11
United Funds Inc—			
United Accumulative Fund	1	14.49	15.84
United Continental Fund	1	6.83	7.46
United Income Fund	1	12.32	13.46
United Science Fund	1	6.73	7.36
United International Fund Ltd	£1	10.00	11.00
United Investors Corp. (Del.)—Class A	1	4	4⅝
United Pacific Corp	1	39¼	40
U S Realty Investments (Ohio) Shares of beneficial interest		8¾	9
U S Realty & Invest Co of N J	1.50	5½	7½
Value Line Fund Inc	1	7.00	7.65
Value Line Income Fund Inc	1	5.25	5.74
Value Line Special Situations Fund Inc	10c	3.10	3.39
Vance, Sanders & Co Inc	50c	15¼	15¾
Vanguard Fund Inc	1	5.65	6.17
Virginia Capital Corp	1	6	6½
Waddell & Reed cl A com n-v	1	16⅛	17⅜
Wall Street Investing Corp	1	9.43	10.31
Wallace Investments Inc	2	7⅜	8⅛
Washington Mutual Inv Fund Inc	1	x10.39	11.36
Washington Real Estate Investment Trust	1	6¾	7¼
Water Industries Capital Corp—Ex-distribution		a1¼	1⅜
Wellington Equity Fund Inc	1	13.70	14.89
Wellington Fund	1	14.45	15.75
Wellington Management Co—Class A common (non-voting)	10c	24½	25
West Bay Financial	1	8¾	9¾
Westland Capital Corp	1	6¾	7⅜
Westminster Fund Inc		‡10.81	--
Whitehall Fund Inc	1	13.61	14.71
Winfield Growth Indus Fund Inc	10c	7.66	8.37
Wisconsin Fund Inc	1	6.82	7.37

* Without par value. ‡ Net asset value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. Ex-dividend y Ex-stock dividend.

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Industrial and Miscellaneous Securities

Under the heading "Industrial and Miscellaneous Securities" we include all Bond issues which do not appear under the previous three headings, namely "Railroads," "Investing Companies" and "Public Utilities."

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

OVER-THE-COUNTER INDUSTRIAL AND MISCELLANEOUS BONDS	Bid	Ask
ACF-Wrigley Stores Inc—		
4¾s conv subord debs 1972 A-O	102	--
Abitibi Power & Paper—		
1st 3½s series A 1967 A-O	98	--
4½s series A 1966	93	95
6¼s series C 1977 M-N	95½	97½
Acme Steel Company—		
4⅞s s f debs 1977 J-D	101½	--
Aerojet-General Corp—		
5¼s s f debentures 1981 M-N	104	--
Albee Homes Inc—		
5s conv subord debs 1982 J-D	65	68
Allegheny Airlines Inc—		
6¼s conv subord debs 1975 F-A	137	142
Allegheny Pepsi-Cola Bottling—		
6¼s sub s f debs 1977 w w J-D	151	157
Without warrants	96	98
Allied Stores Corp 4¾s 1976 M-N	100½	--
Aluminum Co of Canada Ltd—		
3½s debs 1971 J-J	84½	86½
American Biltrite Rubber Co—		
4¾% conv subord debs 1983 M-N	110½	112½
American Brake Shoe Co—		
4½s s f debentures 1982 F-A	100	--
4½s s f debentures 1987 F-A	101	--
American Cement Corp—		
5s s f debentures 1978 A-O	99	--
American Electronics Inc—		
5¼s conv subord debs 1973 A-O	67	--
American Export Lines—		
4.50s Sept 1 1985	102	--
American Greetings Corp—		
4⅜s conv subord debs 1983 F-A	110	111½
American Hide & Leather Co—		
5s conv inc debs 1975 A-O	f83	88
American Optical Co 3⅛s 1968 M-S	94	--
American Petrofina Inc—		
5½% subord conv debs 1973 J-J	99½	--
American Pipe & Construction—		
4¾s conv subord debs '77 M-S	101	102
American President Lines 5s 1981	103	--
American Saint-Gobain Corp—		
5½s subord conv debs 1983 A-O	75	80
American Silica Sand—		
3-5s 1973 w s	f18	--
Anderson Clayton 4¼s 1998	70	--
Anelex Corp—		
5½s subord debs x w 1974 J-D	86	--
Arden Farms Co—		
5s conv subord debs 1986 J-J	91	--
Arkansas Valley Industries—		
6s conv subord debs 1977	85	90
Arlan's Dept Stores Inc—		
4½s conv subord debs 1982 M-N	92	94
Ashland Oil & Refining Co—		
3s sf debs 1965 F-A	98	--
3½s sf debs 1971 M-S	96	--
3s debentures 1970 J-J	93	--
4½s s f debentures 1987 A-O	102	--
4.35s s f debs 1988	100	--
Assembly Products Inc—		
5¾s conv subord debs 1972	93	97
Associated Dry Goods Corp—		
4¾s s f debentures 1980 A-O	101	--
Associated Oil & Gas Co—		
6s conv subord debs 1975 J-J	105½	106¼
Atlantic Co deb 5s 1980 A-O	98	--
Atlas Corporation—		
5s conv subord debs 1977 F-A	116	--
Atlas Plywood Corp—		
5½s conv subord debs 1975 M-N	170	--
Automatic Canteen Co of Amer—		
5⅜s s f debentures 1981 J-J	102	--
Automatic Retailers of America—		
4⅞s subord debs ww 1983 M-S	106½	108
Without warrants	94	96
Avis Inc—		
6s conv subord debs 1970 A-O	109	112
5½s conv subord debs 1972 F-A	138	--
Baltimore Paint & Chemical—		
6½s s f debentures 1973 A-O	86	--
BarChris Construction Corp—		
5½s conv subord debs 1976 M-N	f4	--
Barium Steel Corp—		
5½s conv subord debs 1969 J-D	84½	88
Bausch & Lomb Optical Co—		
4½s conv subord debs 1979 J-D	108	110
4¾s conv subord debs 1980 J-J	109	--
Belco Petroleum Corp—		
6s conv subord debs x-stk 1974	142	--
5s conv subord debs 1977 M-N	107½	109½
Bell Electronic Corp—		
5½s conv subord debs 1977 A-O	54	--
Benson Manufacturing Co—		
6s conv subord debs 1971 M-N	66	70
Berman Leasing Co—		
5½s conv subord debs 1983 M-S	124	127
Billups Eastern Petroleum—		
7s debentures 1993 J-J	80	--
Billups Western Petroleum Co—		
6s partic debs 1984 M-N	96	--
Boeing Airplane Co—		
5s debs 1978 F-A	102	--
Boston Insurance Exch Bldg—		
5s due 1953 ext to Apr 1968 ws	f100	--
Bowl-Mor Co Inc—		
5½s conv subord debs 1976	43	--
Briggs Leasing Corp—		
6¾s conv subord debs 1972 A-O	75	85
Units	95	110
Bristol-Myers Co—		
3⅜s debentures 1977 J-D	88	--
British American Oil—		
3½s s f debs 1974 M-S	79¼	81¼
British Columbia Forest Prod—		
4½s s f debs 1981 J-J	90	--
Broadmoor Corp—		
4-6s (w s) 1966 M-S	f134	--
Broadway-Hale Stores—		
5s cons subord debs 1979 F-A	118½	--
Brooklyn Fox Corp (N Y)—		
1st 4s extd to Aug 1967 w s	f78½	81
Brown Co deb 4½s 1975 J-D	94	--
Burroughs Adding Machine Co—		
3⅜s s f debs 1977 J-D	89	--
Burroughs Corp—		
4⅜s s f debentures 1983 J-J	98	--
4½s sf debs 1988 J-J	99	--
Bush Hog Inc—		
6½s conv subord debs 1973 A-O	100	105
Units	25	26
Calif Eastern Aviation Inc—		
6s conv 1968 F-A	94	99
Campbell Chibougamau Mines Ltd—		
6s 1st mtge s f conv 1968 M-N	98½	--
Canada Dry Ginger Ale Inc—		
4s s f debentures 1976 J-D	96	--
4¾ conv sub debs 1981 J-J	108½	--
Canada Steamship Lines—		
1st 4s 1966 J-D	97½	98½
Canadian Breweries Ltd—		
4¼s 1981 J-J	90¾	92¼
Canadian Petrofina Ltd—		
4s series A 1972 M-N	79	81
Capital Airlines—		
4½s conv debs 4½s 1976	84	--
Carrier Corporation—		
4⅛s conv subord debs 1982 F-A	99	102
Cary Chemicals Inc—		
6¼s subord debs 1979 x-s M-S	84½	86
1st 6s 1976	92	95
Celotex Corp—		
4⅛s conv subord debs 1976 M-N	86¼	--
Cenco Instruments Corp—		
4½s conv subord debs 1980 F-A	109	111
Central Charge Service Inc—		
6s 1975 w w F-A	108	116
Chanin Building —		
2d leasehold 2s 1970 (w s) M-S	f127	--
3d leasehold 1s 1970 (w s) M-S	f137	--
Charter Oil Co Ltd—		
5¾s subord conv debs 1972 F-A	84	--
Clark Cable Corporation—		
6½s conv subord debs 1972 J-D	90	100
Clark Equipment Credit Corp—		
5¼s debs series A 1981 M-S	103	--
Coastal States Gas Producing Co—		
5½s s f debs w w 1977 J-D	660	--
5½s 1977 ex-all warrants	104	--
6s s f debs 1980 w w M-S	225	--
6s 1980 ex warrants	106½	108
1st mtge 5s series A 1983 J-D	104	--
Collins Radio Co—		
4¾s conv subord debs 1980 M-S	92	97
4¾s conv subord debs 1983 J-J	110½	113½
Colonial Stores Inc 4.90s 1977 M-N	100	--
Combustion Engineering Inc—		
3⅛s s f debs 1979 M-N	87	--
Community Charge Plan—		
6s subord debs 1976	58	61
Units	62	--
Consolidated Cigar 4¼s 1975 J-D	94	--
Consolidated Diesel Electric—		
6s conv subord debs 1975 J-D	85	90
Consolidated Leasing Corp of America 6½s debs 1978 A-O	107	110
6½s 1978 ex-wts	83½	85½
Container Corp of America—		
3.30s s f debentures 1980 J-J	91¼	--
4.40s s f debentures 1987 J-D	100½	--
Continental Air Lines Inc—		
4¾s conv subord debs 1970 M-N	143	--
Control Data Corp—		
4¼s conv subord debs 1977 M-S	155	160
Cooper Tire & Rubber Co—		
5¼s senior sf debs 1974 ww A-O	113½	117½
5¼s 1974 ex-warrants	93½	94½
Coral Ridge Properties Inc—		
6¼s sf subord debs ww '77 A-O	92	96
Without warrants	86½	90½
Cornell-Dubilier Elec 3⅞s 1972 M-S	80	85
Cott Beverage Corp—		
Conv subord debs 5s 1976 J-J	96	98
Cowles Chemical Co—		
5¼s conv subord debs 1980 J-D	115	--
Crampton Mfg 5½s 1975 ww M-S	86	--
Cudahy Packing Co—		
1st mtge s f 2⅝s ser C 1967 M-N	93	--
Cuneo (The) Press Inc—		
5s conv subord debs 1978 J-D	88	--
Daitch Crystal Dairies Inc—		
5½% conv subord debs 1979 A-O	75	--
Dart Drug Corp—		
6s conv subord debs 1977 J-J	--	103
Dayton Rubber Co—		
5¼s conv subord debs 1972 J-J	105	108
5½s conv subord debs 1980 F-A	96	98
Deere & Co 4½s debs 1986 A-O	101½	--
Deere (John) Credit Co—		
4⅞s debentures ser A 1985 A-O	103½	--
4¾s debentures ser B 1981 A-O	102½	--
Dejur-Amsco Corp—		
6s conv subord debs 1974 J-D	75	80
Detroit Steel Corp 4⅞s 1970 A-O	100	--
Devoe & Raynolds Co 2⅞s '65 A-O	96	--
Diamond Alkali Co 3¾s 1978 F-A	91	--
Dilbert's Leasing & Development—		
5¾s conv debs 1979 J-D	f15	20
District Wholesale Drug Corp of Wash 6s 1976 A-O	95	100
Dixon Chemical Industries Inc—		
6s subord debs 1978 J-D	56	60
6s conv debs 1981	f58	--
Donnelley (R R) & Sons—		
3¾s debentures 1978 M-N	95	--
Dorsey (The) Corp—		
6½s subord debs ww 1975 A-O	102	105
Without warrants	91	96
Doughboy Industries Inc—		
5½s conv subord debs 1977 A-O	96½	--
Dulany Industries Inc—		
6½s s f subord debs 1977 ww J-J	100	104
6½s ex-warrants 1977	92	--
Duriron Co Inc—		
4¾s subord debs 1975 J-D	147	--
Duro-Test Corporation—		
5½s sub debs ser A 1982 ww A-O	104	--
5½s without warrants 1982	95	97
Eaton Manufacturing Co—		
4⅜s debs 1988 J-J	--	99⅝
Economics Laboratory, Inc—		
4¾s conv debs 1976 A-O	145	150
Eddy (E B) Co 1st 4s s f 1974	87	89
Eichler Homes Inc 6½s debs 1973	96	99
810 South Spring Bldg—		
1st cum inc 3-5s 1966 ex-stk J-J	f85	--
Eitel-McCullough Inc—		
5¼s conv subord debs 1974 M-N	87	--
European Coal & Steel Community See High Authority (below)		
Executive House Inc—		
6s subord s f debs 1971 A-O	68½	70
Units	8½	9½
FMC Corporation—		
3⅛s conv subord debs 1981 A-O	103	104
Fairb'ks Morse & Co 2¾s 1967 M-N	84	--
5¾s conv subord debs 1972 J-D	92½	--
Farrington Manufacturing Co—		
5½s conv subord debs 1970 A-O	48	52
Fashion Park deb 5s 1963 M-N	f98	--
Fed-Mart Corp—		
6s conv subord debs 1979 J-D	100	104
Fedders Corporation—		
5½s s f subord debs 1979 M-N	99	--
Federal Shell Homes Inc—		
9s conv subord debs 1981 A-O	33	36
Ferro Corp 3⅝s debs 1975 J-J	108	112
51 East 42nd Street—		
3s with stock 1966 Ann Mar	f127½	--
Firestone Tire & Rubber Co—		
4¼s debentures 1988 J-J	100	--
Flintkote Company 4⅜s 1977 A-O	98½	--
4⅝s s f debentures 1981 A-O	102½	--
Food Fair Properties Inc—		
5½s debentures 1975 M-S	82	85½
Food Fair Properties Development—		
6s coll trust 1984 J-D	81	84
Units	43	46
Food Fair Stores Inc 3s 1965 J-J	95	--
3⅜s s f debentures 1974 M-S	87	--
Food Machinery & Chemical Corp—		
2¾s s f debs 1969 F-A	91½	--
3.80s s f debentures 1981 J-J	94	--
Fram Corp 6s conv s f deb '66 J-D	330	--
Frontier Refining Co (Wyo)—		
6s conv subord debs 1969 M-N	105	--
Fruehauf Trailer Co—		
3¾s s f debentures 1974 J-D	91	--
Debenture 4s 1976 M-S	92	--
Conv subord debs 4s 1976 M-S	112	115
Gabriel Co—		
5¾s 1974 ww J-J	110	--
5¾s 1974 ex wts	99	--
Garrett (The) Corporation—		
5¼s debentures 1982 J-J	104	--
Gateway Sporting Goods Co—		
5⅜s conv subord debs 1977 M-S	110	113
Gem International Inc—		
5¾s conv subord debs 1979 M-N	97½	98½
General American Transportation—		
4.55 eq tr ctfs ser '59 1981 A-O	n103	105
General Portland Cement Co—		
5s conv subord debs 1977 A-O	108½	--
General Tire & Rubber—		
6s subord debs ww 1982 A-O	190	--
Georgia Pacific Corp—		
Subord debs 5s 1976 J-J	98	98¾
Gera Corp 6s subord debs 1976 J-D	98	100
Glenmore Distilleries Co—		
4s s f debentures 1972 F-A	93	--
4¾s conv subord debs 1981 A-O	103	104
Grace Line Inc—		
SS Santa Paulo 4.20s 1978 A-O	100	--
SS Santa Rosa 4¼s 1978 J-J	100	--
Gray Drug Stores Inc—		
5s conv subord debs 1982	94½	--
Great Plains Development—		
1-4s notes 1965 w w	97	--
Green River Steel 3½s 1982	18	24
Greer Hydraulics Inc—		
5½s conv debs 1965 M-S	87	92
Gyrodyne Co of Amer, Inc—		
6s conv subord debs 1976 ww M-S	90	95
Without warrants	85	90
Units	65	70
Hammermill Paper 3s debs '65	95	--
Harshaw Chemical Co—		
5s debentures 1978 A-O	101	--
Hathaway Bakeries 4s 1966 M-N	92½	--
Hickok Electrical Instrument—		
6s conv subord debs 1974 A-O	100	--
High Authority of the European Coal & Steel Community—		
Serial secured notes (14th series)		
4¾s Oct 15 1963	99⅞	--
4⅞s Oct 15 1964	99¾	--
5s Oct 15 1965	99¾	--
Highway Trailer Industries—		
6½s conv subord debs 1975 M-S	59	63

*No par value. ‡Net asset value. a Called for redemption, see page 94. e Ex-interest. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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INDUSTRIAL AND MISCELLANEOUS BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NOTICE—All bond prices are "and interest" except where marked "f" and income and defaulted bonds

Bonds—	Bid	Ask
Hilco Homes Corp—		
6½s conv subord debs 1979—M-S	77	81
Hilton Hotels Corp—		
4½s conv debs 1970—J-J	86	—
6s subord debs 1984 w w—J-J	97½	99
Without warrants	90¼	90¾
Holly Sugar Corp—		
4⅜s conv subord debs 1983—M-N	112½	114
Home Oil Co Ltd—		
5¾s conv debs 1971—J-D	92¼	94¼
6s conv subord debs 1975—J-J	101½	103½
Homestake Mining Co—		
5⅞s s f debs 1969—M-S	a105	—
5⅛s subord conv debs 1972—M-S	129	—
Horne (Joseph) Co—		
5⅝s conv subord debs 1973—A-O	145	—
Hotel St George Corp (Brooklyn)—		
5½s 1971	73	76
Houston (The) Corp—		
5s subord debs 1968—F-A	97¼	—
Hudson Bay Oil & Gas 4s 1975—M-N	81½	83½
Imperial Oil Ltd 3⅝s 1975—F-A	79¼	81¼
S F debs 3s 1969—J-D	83	85
Indiana Limestone 4s 1975—J-J	70	74
Insurance Exchange Bldg (Bost)—		
5½% land trust ctfs	86½	—
International Airport Hotel System		
6s conv subord debs 1977—A-O	60	64
6s 1977 "units"	90	98
Int'l House of Pancakes 6s '76—A-O	n95	100
Interstate Hosts Inc—		
5s conv subord debs 1981—M-N	99	101
Jefferson Lake Asbestos Corp—		
6½s ser A subord debs 1972—J-D	78	83
Units	93	—
Jessop Steel Co—		
5¾s conv subord debs 1975—J-J	90	93
Kaiser Nelson Corp—		
6¾s conv subord debs 1974—M-N	85	95
Kaman Aircraft Corp—		
6s conv subord debs 1974—J-J	100	103
Kearney (James R) Co 6½s 1976—	—	63
Kentucky-Jockey Club 6s 1973—J-D	55	60
Kerr-McGee Oil Industries Inc—		
5¼s s f debentures ww 1977—J-D	106½	108½
Without warrants	103½	104½
Keyes Fibre Co—		
5¼s subord debs ww 1985—J-D	119	—
Without warrants	104	—
Keystone Steel & Wire Co—		
4½s conv subord debs 1981—A-O	105¾	106¾
Kidde (Walter) & Co Inc—		
5s conv subord debs 1972—A-O	90½	—
Korfund Inc—		
6½s conv subord debs 1971	62	—
Units	115	135
Lafayette Radio Electronics—		
5½s conv subord debs 1976—M-S	93	96
Leeds Homes Inc—		
6s subord s f debs 1976—M-N	f12	14
Lehigh Portland Cement Co—		
4⅞s s f debs 1979—A-O	103	—
Lerner Stores Corp 3s 1967—J-J	91	—
Lester Engineering 6s 1976—M-S	100	110
Lestoil Products Inc—		
6½s conv subord debs 1973—M-N	74	78
Libby McNeill & Libby 2⅞s '67—F-A	89	—
Lit Brothers 4s debs 1970—M-S	94	—
Loblaw Groceterias Co Ltd—		
4¾s series D 1976—A-O	121	126
6s series E 1977—M-S	94	96
Long Mile Rubber Corp—		
6s subord debs ww 1974—M-S	114	116
Loral Electronics Corp—		
4½s conv subord debs 1980—J-D	80	82
Lowenstein (M) & Sons—		
4⅜s cons subord debs 1981—F-A	79½	82
Lyntex Corp 6½s sf debs 1977	78	—
Macco Realty Co—		
6s conv subord debs 1977-97	99	—
Mack Trucks Inc—		
5⅛s subord debs 1981 ww—A-O	104	—
Magnolia Park Inc—		
6s subord conv debs 6s 1969—A-O	f17	22
Major Realty Corp 6s ww 1967 F-A	f33	36
Without warrants	f33	36
Mallinckrodt Chemical Works—		
5s conv subord debs 1974	103½	104½
Mansfield Tire & Rubber Co—		
5s conv debentures 1974	91	93
Marine (The) Corporation—		
4¾s conv debs 1979—M-N	106½	—
Marsh Supermarkets Inc—		
5s conv subord debs 1980—J-D	100½	—
Martin Paint 7s 1971	145	165
Mastan Co Inc—		
5½s senior notes 1977—A-O	100	—
Maust Coal & Coke Corp—		
5¼s s f debs 1977—A-O	101	—
4⅜s conv subord debs 1983—J-D	105¼	106¾
Mead Corp 4s debs 1983—J-J	93	—
4½s debentures 1986—A-O	101¼	—
Melville Shoe Corp—		
4⅞s debentures 1980—A-O	103½	—
Merchants Refrigerating 5s '72—J-J	f87	—
Miami Window Corp—		
6½s s f debs ww 1974—M-S	f50	—
Without warrants	f50	—
Microdot 5½s conv sub debs 1977—	95	97
Miles Labs 4¾s conv sub debs 1980—	122	—
Minneapolis-Honeywell Regulator—		
4½s s f debentures 1986—A-O	101⅛	—
Minnesota & Ontario Paper—		
3.30s s f debs 1975—M-S	91½	—
Mississippi River Fuel Corp—		
4¾s s f debs 1978—M-S	102½	—
5⅜s s f debentures 1980—J-J	103	—
Mississippi River Transmission—		
5s s f debentures 1981—M-N	100	—
Mitsui & Co Ltd—		
6⅜s conv s f debs 1978—M-S	101	104
Modern Homes Construction Co—		
6s subord debs 1981—J-J	65	67½
Units	20	24
Mohawk Airlines Inc—		
6s conv subord debs 1975—J-J	118	128
Monawk Business Machines Corp—		
Conv subord debs 1969—A-N	f19	—
Montecatini 5½s debs '79 w w—J-D	101	104
Without warrants	100	102
Moore McCormack Lines Inc—		
SS Argentine series 5s Nov 1978—	103	—
S S Brazil 4.20s 1983—J-J	99¾	—
Morris Shell Homes Inc—		
8s subord debs 1986—J-J	f20	25
Motorola Inc 4¾s debs 1986—A-O	102½	—
Mountain Fuel Supply—		
3½s debentures 1971—A-O	94½	—
3⅛s debentures 1974—J-D	88¾	—
4s debs 1983—J-D	95½	—
4⅞s debs 1986—M-S	104½	—
Mueller Brass Co—		
3⅝s conv subord debs 1975—J-D	100	103
Munsingwear Inc—		
5s conv subord debs 1980—A-O	136	—
National Bagasse Products—		
Subord debs 7s 1967	63	66
Units	178	195
National Equipment Rental Ltd—		
6s s f subord debs 1970—F-A	85	88
Nationwide Homes Inc units	6¾	8
Newark Electronics Corp—		
5¼s conv subord debs 1982—A-O	80	85
Nixon-Baldwin Chemicals Inc—		
6½s subord debs 1980—M-N	85	—
Northern Chemical Industries—		
5½s subord debs 1969—J-D	72	—
Northwest Nitro-Chemicals Ltd—		
Subord debs 6s 1979—J-D	72	76
Oklahoma Cement Co—		
6½s subord debs 1974—J-D	97	99
5¾s s f debentures ww 1976—A-O	105	—
Ex-warrants	95	—
Old Empire Inc—		
6s conv subord debs 1971—J-D	f32½	—
One Hour Valet 6s 1975	40	—
165 Broadway Bldg Inc (N Y)—		
1st sf 5½s-5¾s May 1970 ws F-A	91	—
Oswego Falls Corp.—		
4¼s conv subord debs 1976—A-O	118	123
Outdoor Development 7½s '76—J-D	53	56
Units	30	35
Ozark Air Lines Inc—		
6½s conv subord debs 1978—J-D	104	106
Pacific Air Lines, Inc units	137	—
6½s conv subord debs 1976—J-J	102	107
Pacific Far East Line Inc—		
Merchant Marine 5s 1981—J-D	103	—
Pacific Petroleums Ltd—		
5s conv debs 1977—J-J	102	104
5½s s f debs ww 1973—A-O	112½	—
5½s 1973 Ex-warrants	102	103
Packaging Corp of America—		
4⅜s s f debentures 1987—A-O	97½	—
Park Place-Dodge Corp (N Y)—		
5s Sept 1972 (w s)—M-N	f87	—
Parkview Drugs Inc—		
5½s conv subord debs 1977—J-D	109	111
Pauley Petroleum Inc—		
5¾s conv subord debs 1976—J-D	107	—
Peabody Coal Co 5¼s 1976—A-O	105	—
Pennsylvania Salt Mfg. Co—		
3.45s s f debs 1981—A-O	85	—
Penobscot Chemical Fibre Co—		
1st mtge 4⅛s 1974—A-O	95	—
5¾s conv subord debs 1980—J-D	94½	—
Perfect Photo Inc—		
5½s conv subord debs 1980—A-O	55	58
Perrine Industries Inc—		
6½s conv subord debs 1979—J-D	28	32
Pet Milk Co 4¼s s f debs 1982—J-D	99	—
Photon Inc 5s conv sub dbs '71—J-D	190	—
Plastic Applicators Inc—		
6s debs 1969—J-J	85	92
Poli-New England Theatre—		
Gen income 5s Nov 15 1983—J-D	f89	—
Polymer Corporation—		
5½s conv subord debs 1975—A-O	93	—
Producing Properties 5s 1969—M-N	105	107
Puerto Rico Brewing Co Inc—		
7s s f debentures 1977—F-A	88	90
Units	18½	19½
Quincy Market Cold Storage—		
4s 1965—M-N	92	—
Ralston Purina 3⅛s 1977—A-O	86	—
Reading Tube Corp—		
5¾s s f debs ww 1974—J-J	99	—
Ex-warrants	95½	—
Red Owl Stores Inc—		
4¾s conv subord debs 1978—F-A	152	—
Republic Pictures deb 4s 1965—J-D	93	97½
Riegel Paper 3¾s debs 1980—M-N	89¼	—
3⅞s s f debentures 1981—F-A	91	—
5¼s s f debentures 1985—M-N	103½	—
Ritter Company Inc—		
4½s conv subord debs 1980—J-D	106	—
Rogers (John) Co—		
6s conv subord debs 1976—A-O	104	—
Roosevelt Hotel deb 5s 1964—M-N	96½	—
Safeway Stores 4¼s ser B '69—M-N	100	—
Salem-Brosius Inc—		
5½s conv subord debs 1973	60	—
Seagram (Joseph E) & Sons—		
4¼s debentures 1983—A-O	97	—
Servo Corp of America—		
6s conv subord debs 1974—A-O	54	—
Servomechanisms Inc—		
5s conv debs 1966—J-D	73	—
Shamrock Oil & Gas Corp—		
3½s s f debentures 1967—A-O	99	—
4⅝s s f debentures 1987—J-J	103	—
Sheraton Corp of America—		
6s debentures w w 1979—A-O	120	—
Without warrants	100½	101½
5s w w 1967	101½	104
Without warrants	96	97½
4¾s 2nd conv debs 1967—M-S	95	—
6½s cum inc sub debs 1981—J-J	f89½	—
7½s cap inc s f debs 1989—J-J	f90½	—
Shin Mitsubishi Heavy Industries		
6½s conv debentures 1977—M-S	103	106
Simpsons Ltd 5s series B 1976—J-D	120	126
5½s series C 1979—M-S	97	99
4¾s debs 1973—J-J	97	98
South Coast Corp—		
Cum inc sub deb 5s 1973—M-N	93	—
Southern Bakeries 7½s debs 1989—	f70	80
Southern Industries Corp—		
7s income debs 1982	93	—
Southwest Forest Industries—		
Sub inc debs 6½s 1985—J-J	f63	—
Special Metals Inc—		
6s subord debs 1976—J-J	88	91
Speedry Chemical Products—		
6s conv subord debs 1975—J-D	82	—
Sperry (The) Corp 3⅛s 1969—J-D	87	—
Sperry Rand Corp—		
5½s s f debs 1982 ww—M-S	116½	118½
5½s 1982 "without warrants"	102¾	103¾
Staley (A E) Mfg 3¼s 1977—J-J	89	—
Standard-Thomson Corp—		
5s debentures 1967—M-S	99	—
States Steamship Co		
5s SS series 1981—J-D	103	—
4¼s SS series 1987—M-S	100	—
Steel Crest Homes—		
Sinking fund debs 8s 1981—M-S	85	89
Sterling Drug 3¼s debs 1980—A-O	86½	—
Stouffer Foods Corp—		
4¼s conv subord debs 1981—A-O	103½	105
Strouse Inc—		
6s conv subord debs 1981—M-S	n76	81
Sun Chemical Corp 2¾s 1966—F-A	94¼	—
Sunset Internat Petrol 6¼s 1974—	106	111
Sylvania Electric Products Inc—		
3¾s s f debentures 1971—M-N	95	—
4s s f debs 1978—F-A	95	—
4¾s s f debs 1980—M-S	102	—
5½s sinking fund debs 1984—M-N	104½	—
Talley Industries Inc—		
5½s conv subord debs 1976—M-N	93	—
Tel-A-Signs Inc.—		
6½s conv subord debs 1974—M-S	61	—
TelAutograph Corp—		
4¾s conv subord debs 1965—J-J	80	84
Temco Aircraft Corp—		
5¼s conv subord debs 1971—A-O	90	—
Textron American—		
5s conv subord debs 1971—J-J	113	116
Textron Inc—		
5s subord debs ww 1984—F-A	123½	124½
Without warrants	96½	97½
Thompson Products 3¼s 1971—A-O	88	—
Thor Power Tool Co—		
4⅞s conv subord debs 1981—J-D	107	108½
Thriftimart Inc—		
6s conv subord debs 1977—J-J	117	—
5s conv subord debs 1980—J-D	105	—
Tokyo Shibaura Electric Co Ltd		
6⅜s conv debs 1978—M-S	103	106
Tracerlab 5s conv debs 1970—M-N	84	—
Traveler Radio 6½s 1975 w w—	90	—
Triad Oil Co 4¾s 1971—M-S	83	85
Union Sulphur & Oil 4s 1978—M-S	97	—
U S Industries—		
5½s conv subord debs 1971—J-D	94	96
4½s conv subord debs 1970—M-N	97	100
U S Plywood Corp—		
3.40s s f debs 1980—J-J	86	—
4¼s s f debentures 1981—J-D	95	—
5¼s s f debentures 1985—A-O	104	—
United States Steel Serial Debs—		
2.65s 1963—F-A	100	—
2.65s 1964—F-A	98½	99¼
Universal Container 6s 1971	85	90
Uris Buildings Corp—		
6½s s f debentures 1975	104	106
Van Norman Industries Inc—		
4½s conv subord debs 1976—A-O	81	—
Victor Comptometer Corp—		
4⅞s s f debs 1988—A-O	97½	—
Vulcan Mold & Iron Co—		
6s conv subord debs 1981—M-N	95	—
Wacker Wabash Bldg—		
5s w s '65—J-J	f155	—
Wallace Properties Inc—		
6½s conv subord debs 1975—J-D	112	—
Wallace (Wm) 6½s 1981	99½	100½
Walnut Grove Products Co—		
6½s s f debs ww 1975—F-A	134	—
Without warrants	100	—
Walter (Jim) Corp—		
9s Dec 31 2000—F-A	114	117
5⅞s 1st sub deb 1981 w w—J-D	91	92½
Without warrants	90	91½
Washington Trotting Assn units—	195	215
Sub s f 6½s 1977—M-S	81	85
Webb (Del E) Corp—		
6½s conv subord debs 1975—J-D	196	205
West Virginia Pulp & Paper Co—		
3¼s debentures 1971—A-O	94	—
4s debentures 1978—J-J	96¾	—
Westinghouse Air Brake Co—		
3⅞s debentures 1978—M-S	95	—
White Stores Inc—		
4¾s conv subord debs 1979—M-S	86½	—
Willoughby Tower Bldg Corp—		
(Chicago) 1st 4s 1965—A-O	f68	—
Winn & Lovett Grocery Co—		
Debentures 3¼s 1974—A-O	89¼	—
Winn-Dixie Stores Inc—		
S f debs 3¾s 1976—A-O	92½	—
Winston-Muss Corp—		
6½s conv subord debs 1981	73	77
Units	18	20
Witco Chemical Co Inc—		
4s sf debentures 1980—J-D	102	—
Wyle Laboratories—		
5½s conv subord debs 1977—M-S	74	77
York Corp 3⅜s s f debs 1974—A-O	93½	—
Yuba Consolidated Industries—		
5½s conv subord debs 1975—M-S	f38½	—
Zapata Petroleum Corp—		
5s convertible debs 1972—J-J	99	—

a Called for redemption, see page 94. e Ex-interest. f Flat price. k Last sale. n Nominal. r Canadian price.

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Industrial and Miscellaneous Stocks

We are publishing in this section the values for the Over-the-Counter shares only. The listed issues can be found in the earlier part of this publication, under the particular exchange the stock is traded.

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

OVER-THE-COUNTER INDUSTRIAL AND MISCELLANEOUS STOCKS

Stocks—	Par	Bid	Ask
A & E Plastix Pak	*	12¾	13⅞
A B C Air Freight	10	2⅝	3
ABC Cellophane— Class A	10c	¾	1⅛
ABC Industries	10c	¾	1⅛
A G Foods— Class A common	*	6½	7¼
A K Electric Corp	1c	⅛	⅜
A L. D. Inc	1	4¾	5½
ATU Productions	10c	n¾	1
Aaronson Bros— 70c conv pfd	2.50	9	--
Abbey Rents	1	7½	8⅛
Abercrombie & Fitch	1	23	25
$6 preferred	75	95	99
Aberfoyle Mfg	25	29	32
Abitibi Pwr & Paper	*	39¾	40¾
Able Land & Minerals Ltd	1	25c	30c
Accuracy, Inc	*	50c	1.50
Accurate Electron	25c	⅞	1⅛
Ace Trophies Corp	1c	26c	31c
Aceto Chemical	1c	1¼	1½
Acme Electric Corp	1	10	11½
Acme Industries	1	3⅞	4⅝
Acme Visible Records	1	15⅜	15¾
Acoustic Chemical	10c	3/16	⅜
Acoustica Assoc	10c	1¾	2¼
Acushnet Process	2	32	33
Addison-Wesley Publishing B com	*	25	27¾
Adelphi Electronics	10c	½	⅞
Adirondack Indus	1	7	7½
Adler Built Indus	10c	19c	28c
Adler Electronics	10c	16½	18⅜
Adley Corp	2	8⅜	8⅞
Admiral Benbow Inn	*	8¾	9¼
Admiral Homes	1	1⅜	1¾
Admiral Photo	10c	1/8	3/16
Adson Industries	10c	2⅛	2½
Advance Industries	1	⅞	1⅛
Advance Mortgage	1	9⅞	10⅛
Aero-Chatillon	10c	1⅞	2¼
Aero Geo Astro	20c	4	4¼
Aero Industries	25c	¾	1
Aeroflex Lab'tories	1	2¼	2¾
Aerological Res.	10c	1⅜	1⅝
Aeronautical Elec'tr	1	2½	2⅞
Aeronca Mfg Corp— 55c preferred	10	2¾	3¼
5½% prior pfd	20	5¼	6
Aerotest Laborat's	10c	2⅞	3⅝
Aerovox Corp	1	4	4⅝
Aetna Maintenance	*	1⅞	2⅜
Ainsbrooke Corp	1	5	5½
Ainslie Corp	1	95c	1⅛
Airbalance Inc	5c	1¼	1¾
Aircraft Armaments	1	6¼	7
Air Express Int'l Agency Inc	50c	13½	14½
Airpax Electronics	1	2⅞	3¼
Air-Springs Inc	2c	1	1½
Airtek Dynamics	*	¾	1
Airtronics Internatl Corp of Florida	10c	1	1¼
Airwork Corp	1	5⅞	6¼
Air-X Industries— Class A	10c	1¼	1⅝
Ajax Magnethermic	*	11⅜	12⅜
Aksman (L J) & Co	10c	2	2½
Alabama Dry Dock & Shipbuilding	*	48	--
Alaska Internat Corp	3c	8c	12c
Alaska Oil & Min	15c	⅛	¼
Albee Homes Inc	*	6⅜	7¼
Alberta Gas Trunkline Co Ltd class A	5	25¼	25¾
Alberto-Culver Co.	*	51½	54½
Albertson's Inc— Class B common	1	16	16¾
Alco Chemical Corp	1c	1⅛	1¼
Alco Oil & Gas	3½c	¾	1
Alcolac Chemical	20c	7¾	8½
Alcon Laboratories	*	26½	27¼
Alden Electronic & Impulse class A	1	⅞	1¼
Algoma Steel Corp	*	49¾	--
Alico Land Development Co	1	7⅛	7¾
Alison Ayres Inc	10c	6¾	7½
Alix of Miami Inc Class A	25c	3¼	4
Alkon Industries	10c	2¼	3
All Star World Wide	10c	¼	--
All State Auto Rental	1	7	7¾
All State Freight	1	6	6½
All-Tech Industries	10c	1¼	1¾
All Weather Roll N'ice class A	10c	½	--
Allegheny Pepsi Cola Bottling Co	50c	10⅞	11⅜
Warrants		5½	5⅞
Allegro-Tech Inc	50c	1⅝	2⅛
Allen (R C) Business Machines Inc	1	5⅝	5⅞
Allen Organ class A	1	8¾	9¾
Allgemeine Elektricitaets-Gesellschaft Amer dep rcts		60	61
Allied Capital Corp	1	6¾	--
Allied Entertainment Corp of America	5c	n½	1¼
Allied Graphic Arts Inc	1	5	5¼
Allied Maintenance	3	21¼	23
Allied Petro-Prod	10c	¾	1
Allied Properties	*	18½	20⅜
4½% conv pfd	50	48¼	51¼
Allied Radio Corp	1	16	17¼
Allied Thermal Corp	25	38	39½
Allis (Louis) Co	10	31	33½
Alloys and Chemicals	1	9¼	9⅝
Allvac Metals Co	1	5	5¾
Allyn & Bacon Inc	50c	24¼	25
Almo Industrial Electronics cl A	1	2⅛	2⅝
Aloe Creame Labs	1	3½	3⅞
Alpine Geophysical Associates Inc	10c	2⅝	2⅞
Altamil Corp	50c	7⅛	7⅞
Alterman Foods	2.50	26¼	28
Alton Box Board	10	17	19
Aluminum & Chemicals Corp (Del)	30c	½	¾
Aluminum Insul	10c	5c	15c
Aluminum Specialty	5	4¾	5¼
Amalgamated Leather	1	1⅛	1⅜
Amalgamated Sugar 5% 1st preferred	10	10	10½
Amarlite Corp	1	a--	--
Amerford Int'l	10c	½	1
America Corp	1	1⅛	1¼
Amer Aggregates	5	26¼	27¼
American Air Filter	1	25¼	27
Amer Alloys Corp	25c	⅛	¼
6% conv pfd	5	½	--
Amer Asiatic Oil	1p	1⅛c	1⅜c
American Assets Inc		2½	--
Amer Automatic Vending Corp	*	7	7¾
American Bank Stationery Co	1.25	22	23
Amer Beverage Corp 20c prior preferred	1	2¾	--
Amer Biltrite Rubber— Common	*	21¾	22¾
To be listed ASE on August 1			
6½% 1st pfd	100	110	--
2nd preferred	*	14½	16
Amer Boatbuilding	15c	1¼	1⅝
Amer Bowl'g Enterpr	1	⅞	1⅛
American Building Maintenance Indus	*	7⅞	8¾
American Chrome	1	4	4½
Amer Consumers Ind 6% non-cum pfd	100	101	--
Amer Cryogenics	50c	12	13⅛
American Data Mach Inc	10c	--	¼
Amer Dredging	12½	95	105
Amer Duralite	10c	⅝	¾
Amer Electronic Labs class A	1	9	10
Amer Express Co	5	59⅛	62
Amer Factors Ltd	10	42½	45⅛
American Felt Co	10	16¾	17½
Amer Foods Inc	10c	1	1⅜
Amer Forest Prod	2½	23	25
Amer Furniture Co	1	4⅞	5⅜
Amer Furniture Mart Bldg (Chicago)	1	24¾	--
American Gas Co	1	4	4¼
Amer Greetings Corp— Class A common	1	37¾	40¼
Amer Gypsum Co	1	4¼	4¾
Amer-Hawaiian SS	10	119	122
Amer Heritage Pub	25c	5¾	6½
Amer Hoist & Derrick	1	16	17¼
Amer Hydrocarbon	10c	½c	⅝c
American Insulator	1	17¼	18
Amer International Bowling Corp	10c	⅝	13/16
Amer Kosher Provisions Inc	10c	3	3½
Amer Locker Co— Class A	1	7	7½
Class B	20c	4½	5
Amer Maize Products	*	20½	22½
American Mason Safety Thread	*	6½	--
American Micro Devices cl A	10c	15c	23c
American Packing	1	n5/16	5/16
American Pipe & Construction	5	14	14⅜
Amer Potash & Chem $5 special pfd	*	n89	--
$4 pfd series A	*	85	--
Amer Precision Industries	55 5/9c	4¼	4¾
Amer President Lines Class A common	*	53	58
5% preferred	100	72	77
Amer Recreation Centers Inc	*	3⅛	3⅝
American Rubber & Plastics Corp	1	27⅛	28⅞
American Safety Equipment Corp	25c	6⅝	6⅞
Amer Safety Table	10c	8	8½
American-Saint— Gobain Corp com	7.50	4½	4⅞
5% preferred	25	9¾	10½
Amer Self Service Stores Inc	*	3¼	3¾
Amer Service com	1	3¼	4
Class A	*	n25	30
Amer Shopping Centers Class A com	1c	⅜	¾
Class A pfd	1	⅜	¾
Amer Stamping Co	2	17¾	--
American States Oil	2	5c	10c
Amer Steamship Co	100	515	--
Amer Sterlizer	3.33⅓	20¼	21
Amer Techn Mach	10c	2¾	3¼
Amer Univend Corp	1.50	2⅛	2⅝
Amer Urethane Inc	1	½	¾
Amer Variety Sts	10c	1⅜	2⅛
Amer Vitrified Prod	1	18½	19½
Americana Properties	10c	½	1
Amerline Corp cl A	1	23½	25½
Ames Dept Stores— Class A com	50c	1¾	2
Ames (W R) Co	2	17	--
Amoskeag Co com	*	83	87
$4.50 preferred	*	92	--
Ampco Metal Inc	2½	7⅜	8⅛
Ampoules Inc	*	1¼	1½
A M T Corp	1	12¼	13¼
Anacon Lead Mines	20c	19c	26c
Anadite Inc	*	12¾	14⅜
Anchor Coupling	1	11¾	12¼
Andersen Labs	*	1⅜	1⅞
Andy Gard Co	1	5½	5¾
Anelex Corporation	1	13	13½
Warrants		21	--
Anemostat Corp of America	2	5½	6½
Angelica Uniform	1	17	18
Anglo Amer Ship'g	£1	4⅞	5¼
Anglo Ecuadorian Oilfields Ltd 'ADRS'		n1.10	1.30
Anheuser-Busch Inc	4	50⅛	52⅝
Anodyne Inc	1c	⅞	1⅛
Anscot Chemical Industries Inc	1c	1/16	3/16
Ansonia Wire & Cable	1	3⅞	4⅛
Antenna Systems	1	3	3½
Apco Mossberg Co	1	5	6
Apell Petroleum	1	⅛	⅜
Applied Arts Corp	1	8⅜	8⅞
Applied Electronics Corp of N J cl A	10c	1¾	2
Warrants		¼	5/8
Applied Physics	1	10	11¼
Applied Research	25c	2⅞	3½
Aqua-Chem Inc	1	5⅞	6⅝
Aquariums Inc	1	3¼	3¾
Architectur'l Marble	25c	⅞	1¼
Arcs Industries	10c	2⅛	2½
Arden Farms com	1	15⅜	16½
$3 partic pfd	*	54	57¼
Argyle Publishing	1c	3¼	4
Arista Truck Renting Corp	1c	4¾	--
Arizona Agrochem	2½	3⅞	4⅝
Arizona Biochemical	1c	1¼	1⅝
Arizona Color Film Processing Labs	1	15c	20c
Arizona Valley Devel	1	½	⅞
Arkansas Valley Industries Inc	3	10¾	11¼
Arkay International	10c	1	1½
Arlan's Dept Sts	1	24	24½
Armstrong (A J) Co	1	17½	19⅜
Armstrong Paint & Varnish Works	5	14⅞	15¼
Arnav Industries	10c	5¾	6⅜
Arnold Altex Aluminum Common	1	22c	26c
35c conv pfd	4	⅝	⅞
Arnold Graphic Industries Inc	2	5	6
Arnold Hoffman & Co	10	75	80
Aro Corporation 4½% preferred	50	45	--
Arrow Hart Hegeman Electric Co	10	59	62⅜
Arrow Liqueurs Corp	1	n18¼	20¼
Arrowhead & Puritas Waters Inc	1	15½	17
Art Metal Inc	1	7½	8¼
Arts & Crafts Materials Corp	*	a4	4½
Arvida Corp class A	1	5½	6
Arway Mfg Corp	25c	¼	½
Arwood Corp	*	3½	3⅞
Asbestos Corp Ltd	*	23¾	24¼
Asgrow Seed Co	10	14¼	15
Ashland Oil & Ref— $5 preferred	*	99	--
Assembly Products	1	7½	8⅜
Associated British Foods Ltd "adrs"		1	1¼
Associated Develop & Research Corp	1	1	1⅜
Associated Mortgage Companies Inc	1	7⅛	7½
Associated Sales Analysis class A	5c	1	1¼
Assoc Spring Corp	10	20	21½
Associated Stationers Supply Co	*	10	10⅞
Associated Transport	*	27⅝	28⅛
6% conv pfd	100	105	110
Associated Truck Lines Class A	3	11½	12
Astrodata Inc		8¼	8½
Astron Corp	10c	a3⅞	4⅛
Astron Industrial Assoc Inc	20c	⅜	¾
Astro-Science Corp	1	1⅛	1⅜
Atlantic Bowling Corp	*	⅜	⅝
Atlantic City Racing Association	50c	13¼	14¼
Atlantic Co	*	20½	21¼
Atlantic Improv	25c	16¼	17
Atlantic Steel Co	5	18¾	19¼
Atlantica Del Golfo Sugar Co	5	½	⅝
Atlas Electronics	10c	65c	68c
Atlas General Indus $1.25 conv preferred Stamped		24	26
Atlas Hotels, Inc	*	6	7⅛
Atlas Tack Corp	*	9	11
Atmos-Pak Inc	40c	3⅛	3⅝
Augusta Chemical Co	1	n1	1⅜
Australian Oil & Gas	5s	4½	4⅞
Australian Oil Corp	1	⅞	1⅛
Authenticolor Inc	5c	⅛	⅝
Auto Solar Co	1	5⅞	6⅜
Automated Building Components Inc	50c	3⅜	3⅞
Automated Merch'g Capital Corp	1	6	6½
Automatic Cafeterias for Industry Inc	10c	¾	⅞
Automatic Data Processing	10c	2⅞	3⅛
Automation Indus	1	3⅞	4¼
Automat'n Lab Inc	10c	⅞	1¼
Automatique Inc	1	5¼	5⅝
Autosonics Inc	5c	⅜	⅝
Avery Adhesive Products Inc	1	13⅞	15
Avildsen Tools & Machines com	1	1	--
5% prior pfd	5	1¾	2¾
6% preferred	5	2¼	--
Avis Inc	5	10	10⅜
Avondale Mills	1	27½	29½
Avon Products Inc	2.50	113¼	116¾
Ayres (L S) & Co com	5	40	--
4½% preferred	100	94½	--
4½% pfd '47 ser	100	94	--
Aztec Oil & Gas	1	18¾	20⅝
B B C Industries	10c	2⅜	2¾
B/G Foods Inc	1	13½	14½
BMC Industries com	1c	4c	9c
7% conv pfd	7.50	7c	15c
B S R Ltd Amer deposit rcts		7⅛	7⅝
B T U Engineering	10c	1⅜	1⅞
Babcock Electronics	1	6⅜	7⅛
Bacardi Corp	10	70	73
Bacharach Industrial Instrument Co	1	19¾	20¾
Backstay Welt cl A	*	30½	--
Badger Northland	1	6½	7¼
Badische Anilin & Soda-Fabrik "adra"		61	62½
Bagdad Copper Corp	5	5¾	6½
Baird-Atomic Inc	1	4½	5⅛
Baldwin-Ehret-Hill	1	48	51
Baldwin (D H) Co	8	3¾	4½
Baltimore Arcoil	1.66⅔	16⅜	17
Baltimore Paint & Chemical Corp	50c	3¾	4⅛
6½% conv 1st pfd	20	17	18
Balt Radio Show	20c	5½	--
Bank Bldg & Equip	2	24½	26½
Bank Leumi le-Israel		1.60	1.70
Bankers Bond & Mtge Guaranty Co of Am	*	8½	9½
Bankers Bldg (Chi)	5	65	68
Bankers Dispatch	1	18½	19½
Banlife Corporation	10c	50	52
Banner Industries 1963 warrants		3/16	¼
Barber-Greene Co	5	14½	15
Barcalo Mfg	8⅓	4¼	4¾
BarChris Construction Corp	50c	3/16	--
Bard (C R) Inc	25c	19⅜	19¾
Barden Corp	1	12½	13
Bargain City (USA)	1	⅛	5/16
Barnwell Industries	50c	1⅝	1⅞
Barr Corporation	25c	1½	1⅞
Barrington Industries Class A com	10c	2¾	3⅛
Barry (R G) Corp	1	3½	3⅞
Barry-Martin Pharmaceuticals A	10c	--	½
Barth Vitamin classA	1	4¾	5
Barton Distilling	1	8½	9½
Barton Instrument	*	8	8½
Basic Atomics	10c	22c	29c
Basic Properties com	1	4½	5¼
Class A	1	4⅝	5

*Without par value. a Called for redemption, see page 94 k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. v Ex-stock dividend.

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INDUSTRIAL AND MISCELLANEOUS BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Basic Witz Furniture Industries Inc	10	13¾	14½
Bates Mfg Co	10	9⅞	10⅛
Bauer Aluminum	50c	1⅞	2¼
Bausch & Lomb Inc— 4% preferred	100	81	82½
Bayless (AJ) Markets	1	11¼	12⅛
Beam-Matic Hospital Supply, Inc	10c	1⅛	1½
Beam Tube Corp	1	6¼	7¼
Beauty Counselors	1	33¼	35¾
Beaux Arts Prop	1	72	--
Bechtold Engineer'g	5c	2¼	2⅝
Becton Dickinson	1	34½	35
Beecham Group Ltd— Amer deposit rcts		5¼	5½
Behlen Mfg Co	1	6⅞	7⅝
Bekins Van & Storage	5	8⅝	9½
Belknap Hardware & Mfg Co	*	10½	11⅝
Bell Television	10c	⅝	⅞
Belle Isle Corp	20c	13¾	15⅛
Belmont Iron Works	5	10	11
Bemis Bros Bag	25	65½	69½
Benbow Astronautics— Class A	5c	5/16	½
Benson Iron Ore	1	16	--
Benson-Lehner Corp	1	5¾	6¼
Benson Mfg Co	1	2⅝	3⅛
Benton Harbor Malleable Indust	1	14½	15½
Bergstrom Paper Co— Class A common	1	14½	16
Berkshire Distrib	1	½	1
Berkshire Hathaway	5	8¼	8⅞
Berns Air King Corp Class A	2	7⅛	7⅜
Bernz O Matic Corp— Class A	1	17¼	17⅝
Berry Industries	1	n5½	6½
Beryllium Corp	50c	27⅜	29⅛
Beryllium Mfg Corp	25c	2¼	2⅝
Besco Enterprises	1	⅛	1
Best Plastic Container Corp	10c	45c	55c
Best Plastics Corp	10c	1¼	1⅝
Bevis Shell Homes	50c	10c	25c
Bibb Mfg Co	12.50	17½	17¾
Bicor Automation Industries class A	10c	1⅛	1½
Big Apple Supermarkets Inc	10c	⅞	1 1/16
Big Bear Stores— Class A com	33⅓c	20	21
Big "C" Stores	*	2¾	3¼
Big Drum, Inc	*	12	12½
Big Horn-Powder River Corp	10c	26c	30c
Billups Eastern Petroleum Co	1	2¾	3½
Billups Western Petroleum Co	1	7⅝	8⅜
Biochemical Procedures Inc	1	1¾	2¼
Bird & Son common	*	19¾	20½
$5 preferred	100	85	--
Bird Machine Co	*	27	--
Birtcher Corp	1	2⅝	3
Bischoff Chemical	10c	⅝	⅞
Bishop & Babcock	*	5⅝	6⅛
Bismarck Hotel Co	*	86	--
Black-Clawson Co	*	24	26
Black Sivalls & Bryson Inc	1	11½	12
Blackman Merchandis'g Class A com	1	6¾	7½
Blatt (M) Co	25c	2¼	2¾
Bliss (E W) Co $1.80 conv pfd	*	37½	38½
Bloch Brothers Tobacco Co	12.50	19½	--
Blue Bell Inc	5	23½	25
Blyvooruitzicht Gold Mining Co "Adrs"		4⅜	5
Bogue Elec Mfg	1	2⅞	3¼
Bohn Business Machines	5c	6¾	7¼
Boise Cascade Corp	5	30¼	32⅛
Bolt Beranek and Newman Inc	*	5	5¾
Bon Ami Co	*	11	12¼
Bonanza Air Lines	1	6⅝	7¼
Bonneville Ltd	1	3½	4¼
Bookshelf of Amer	10c	⅝	⅞
Boonshaft & Fuchs	25c	3	4
Boonton Electronics	10c	2¼	2¾
Booth Newspapers	*	139	--
Borax (Holdings) Ltd Am dep rcts def ord		2⅜	2¾
Boro Electronics	35c	1	1¼
Boss-Linco Lines cl A	1	8⅝	9⅛
Boss Manufacturing	25	14½	16½
Bostitch Inc— Class A common	4	30	31½
Boston Herald-Traveler Corp	*	24½	27¼
Boston Insurance Exchange Bldg $5 pfd	*	21	--
Boston Pneumatics— Class A	10c	1	1⅜
Boston Sand & Gravel Co	1	10	15
Botany Industries	1	3⅜	3⅞
Bourbon Stock Yards	*	50	--
Bourns Inc.	50c	10	11¼
Bowater Paper Corp— Amer deposits rcts		4¾	5¼
Bowey's Inc	1	5⅞	6⅜
Bowl-Mor Co Inc	10c	3½	3⅞
Bowl America	10c	1½	1⅞
Bowman Products	*	18¼	19⅞
Bowmar Instrument	*	11¾	12¾
Bowser Inc Co com	1	9	10
$1.20 preferred	25	21½	23⅝
Boyertown Burial Casket Co	10	14¼	14¾
Bradley Industries	1	3⅜	3⅞
Bradley Real Estate Trust (Mass)	1	5½	6¼
Bramalea Consolidated Developments Ltd	*	4⅛	4⅝
Warrants		1	1½
Branston Instrum'ts	1	6⅞	7⅜
Braun Engineering	1	22	23
Warrants		13	14½
Brenco Corp	1	19	19¾
Breskin Publications	1	12½	13¼
Brew (Rich D) & Co	1	2	2¼
Brewster-Bartle Drilling Co	2	3¾	4
Bristol Brass Corp	10	11	12½
Bristol Dynamics	1c	3⅛	3½
Brite Universal	10c	⅛	--
British Aluminum Ltd Amer deposit rets		4½	5¼
British-Amer Const & Materials Ltd	5	7⅞	8¼
Warrants		2¾	3¼
British Columbia Forest Prod Ltd	*	17¼	17¾
British Motors Ltd— Amer deposit rcts		2.00	2.20
British Oxygen Amer deposit rets		1⅝	2
Britton Electronics	1c	--	10c
Brockway Glass	5	21	22¾
Broderick & Bascom Rope Co	1	13¼	--
Brodie (Ralph N)	1	16½	--
Broken Hill Proprietary Co Ltd	£1	6	6¼
Brooks & Perkins	1	4¾	5
Brothers Chemical Common class A	10c	⅞	1¼
Brown & Sharpe Manufacturing Co	10	37½	38½
Brown Engineering	1	28¼	28¾
Brown Fintube— Class A common	1	9⅜	9⅞
Brown (W A) Mfg	*	6½	7¼
Browning Arms Co	1	7⅞	8¼
Browning-Ferris Machinery Co	1	6½	--
Bruning (Charles)	3	29¼	31⅛
Brunswig Drug	1	18	19⅜
Brush Beryllium Co	1	13⅞	15
Buck Creek Oil	25c	⅝	⅞
Buckeye Corp com	1	37c	44c
5% conv pfd A	10	½	1½
Buckeye Steel Cast	*	23	25⅛
Buehler Corp	*	7⅛	7½
Buffum's (Cal)	5	12¼	13⅜
Bulolo Gold Dredging Ltd	5	5	5¾
Bundy Electronics	10c	9/16	⅝
Burger Brewing	*	34	37
Burgess Vibrocrafters	3	5	6
Burma Corp Ltd— Amer dep receipts		⅜	--
Burmah Oil Ltd— Amer deposit rcts		8½	9⅝
Burnham & Morrill	1	14	14½
Burnham Corp com	15	21	23
6% preferred	50	40	--
Burns (William J) Internat'l Detective Agency class A	1.50	21½	22¼
Burrus Mills Inc com	*	12½	13¾
4½% preferred	100	60	70
Burton Mfg Co	1	⅛	⅛
Bush Hog Inc	1	7⅞	8¼
Bush Term Bldgs— Stubs		a3¾	4½
Business Property Associates	100	11½	12½
Butler Mfg Co— Common	25	31	33
4½% 1st pfd	100	85	--
Butterick Co com	1	26	--
5% non-cum pfd	50	n28	--
Buttrey Foods	*	18½	19½
Eyer-Rolnick Hat	10	15¾	16¼
Byllesby (H M) Co	10c	4⅜	5⅞
Bymart Tintair com	1c	⅛	⅜
5% preferred	1	--	3
Bzura Chemical	25c	1/16	⅛
C E I R Inc cl A	16⅔c	3¾	4⅛
C F M Co	1	1/16	½
C-Mar Instrument	1	n5c	25c
C W S Waveguide	1c	--	5c
Cabol Enterprises Ltd	*	40c	55c
Cabot Corporation	1	43⅜	43⅞
Cadre Industries	2	3⅞	4⅜
Cahokia Downs Inc	1	n2½	3
Cal-Val Research & Develop Corp	10c	1⅛	1⅜
Calandra Photo Class A common	1	4½	4¾
Caldor Inc	10c	8¾	9¾
Calgon Corp	1	31½	33¾
Calif Computer Products Inc	50c	9	10
California Liquid Gas Corp	1	17¾	18⅛
Calumet & Hecla $4.75 pfd series A	*	96	--
Camco Inc	1	12¾	13½
Camloc Fastener	2	7¾	8¼
Camp Chemical	10c	2½	2⅞
Campbell Taggart Assoc Bakeries	1	27	28½
Campus Casuals of Calif	1	8¾	9⅝
Can (R C) Co See R C Can Co			
Canada Dry Bottling Co of Florida	5	12	15
Cdn Delhi Oil Ltd	10c	4	4½
Canadian Husky Oil Warrants		½	¾
Cdn Superior Oil Ltd	1	10⅜	11⅜
Canal Assets Inc	10c	33¼	35½
Canal Bank Trust Ctfs of bene int		5½	6
Canandaigua Enterprises Class A common	1c	2	2⅜
Cannon Electric	1	18⅝	19⅞
Cannon Mills com	*	76	77½
Class B	25	75	76
Cannon Shoe Co	1	5⅛	5⅜
Cap & Gown Co cl A	1	9⅞	10¼
Capehart Corp (N. Y.)	50c	⅞	1¼
Capital for Technical Industries	1	6⅜	6⅞
Capitol Products	50c	5	6
Car Plan Systems	10c	n¼	--
Carboline Co	1	4	4⅜
Caressa Inc	50c	8⅞	9⅜
Carhart Photo Inc	10c	3⅝	4
Caribbean Cement— Amer deposit rcts		5	5½
Caribbean Corp	1c	⅛	¼
Caribbean Shoe	1c	1⅞	2¼
Caribe Stores Inc	50c	n20c	40c
Carlon Products	*	4⅛	4⅝
Carmer Industries	10c	2¾	3¼
Carnaco Equipment	10c	2⅞	3⅜
Carolina Metal Prod	1	1¼	1¾
Carolina Pac Plywood	*	3⅛	3½
Carolina Pipe Line	1	6½	7⅜
Carpenter (L E) & Co	1	8	8⅞
Carrier Corporation 4.80% 2nd pfd	50	50	51
4½% prefered	50	49½	50½
Carrington (George S) Class A	1	4¼	4½
Carrols Inc	1	⅞	1¼
Carrtone Labs	10c	1⅛	1½
Carson Pirie Scott & Co Common	5	10¼	11½
4½% preferred	100	83	--
Carter (Wm) Co	100	250	--
Carthage Marble vtc	1	21	23
Cary Chemicals	10c	4¼	4¾
Casa International	50c	1	1½
Case Pomeroy & Co	5	118	--
Caspers Tin Plate	1	4½	4¾
Cassco Corp	1	2⅛	2⅝
Castle & Cooke	10	29¾	30¼
Catalyst Research	32c	3¼	3¾
Cavitron Ultrason	10c	5	5¾
Ceco Industries	25	7/16	⅝
Cedar Point Field Trust ctfs of ben int		2⅜	2⅝
Center Labs Inc	10c	1⅝	1⅞
Central Coal & Coke	1	42	46
Central Cold Storage	20	41	44
Central Instrument	1	2c	6c
Central Manhattan Properties	1	6	--
Central Steel & Wire	5	53	--
Central Transformer	1	7½	8
Central Wisconsin Motor Transport	1	8½	9¼
Century Properties	1	4¼	5
Century-Special	5c	20c	30c
Cerametals Indus	20c	n⅝	1⅛
Certified Industries— Class A	1	4	5
Certif'd Pharmacal	10c	7⅞	8¼
Cetron Electronic	1	⅞	1⅛
Chadbourn Gotham— Warrants		1/16	3/16
4½% conv pfd	50	29	--
Chalco Engineering	10c	¼	⅜
Challenger Prods	10c	1½	2
Chambersburg Engineering Co	10	16½	--
Chamberlain Co of Amer 5% pfd	25	16¾	25
Champion Parts Rebuilders	10c	4½	5
Chance (A B) & Co	5	18¾	20⅜
Chandler Leasing	1	5¼	5⅝
Charles Jacquin Et Cie Inc	50c	6⅛	6⅝
Charles of the Ritz, Inc	1	23¾	25⅞
Charles Town Racing Association	50c	2⅞	3⅛
Chart-Pak Inc	1	4½	5
Charter Credit	10c	⅞	1⅛
Charter Industries	10c	n⅛	⅜
Charter Mortgage & Investment Co Name changed to Charter Co	1	2⅛	2⅜
Chase General Corp— Common	1	15c	25c
5% conv A pfd	20	⅜	⅞
Chemalloy Minerals	1	65c	75c
Chemex Industries	25c	¾	1
Chemical Contour	*	3½	4¼
Chem Enterprises	25c	3⅞	4⅛
Chemical Products	1	25	26½
Chemirad Corp	10c	¾	1⅛
Chemsol Inc	50c	⅞	--
Chemtree Corp	10c	1⅞	2⅛
Chesapeake Instru't	1	1⅜	1¾
Chester Electronic Laboratories Inc	*	3¼	4
Chicago Aerial Industries Inc	2	8	8⅞
Chicago Builders Building vtc	*	70½	--
Chicago Helicopter Airways Inc	1	4¼	4¾
Chic Mill & Lumber	10	29	29½
Chicago Molded Prod	1	7¾	8¼
Chicago Musical Instrument Co	1	23	24⅝
Chicago Title & Trust Co	20	115	118
Childcraft Equip	25c	½	⅞
Chilton Co	10	30½	33½
Church & Dwight	*	57	58
Churchill Downs Inc	*	20¼	22¼
Churchill Stereo	5c	¾	1⅛
Cincinnati Enquirer	*	21	23
Cin Union Stock Yds	*	16	--
Circle Controls	10c	1½	2
Circle K Food Stores	1	7⅞	8¾
Clairtone Sound	*	6¼	6½
Clarise Sportswear	10c	2¼	2⅝
Clark Oil & Ref	1	7⅛	7½
Clarkson Labs Inc	1c	¼	7/16
Claude Southern	10c	2	2½
Clayton Corp	1c	¾	1
Clayton Mark & Co	5	5¼	5¾
Clayton Silv Mines	10c	17c	19c
Cle-Ware Indus	*	5	5¼
Cleve Builders Supply	*	20	--
Cleve Trencher Co	5	7¼	8¼
Clifton Mfg Co.	20	42	--
Clifton Precision Products Co	1	16	16¾
Clinton Engines Corp	1	2⅜	2⅝
Cluett Peabody— 4% 2nd conv pfd	100	90	--
Coastal Caribbean Oils & Minerals Ltd	1s	25c	32c
Coastal Publications	60c	⅝	⅛
Coastal Ship Corp	1	25	27
Coastal States Gas Producing Co— Series A "wts"		33½	34¼
Series C "wts"		25½	26¼
Coca-Cola Bottling of Los Angeles	*	27	29¼
St Louis	1	8	8½
Coca-Cola Bottling Plants (Port'd) Me	*	6½	8
Coca Cola Int'l Corp	*	2,100	--
Cohen (Dan) & Co	*	1⅝	--
Colber Corp	20c	2⅞	3¼
Coleco Industries	*	3⅝	4
Cole National Co— Class A com	10	19	19½
Coleman Cable & Wire class A	1	4¼	5
Coleman Engineering	1	5⅝	6⅛
Warrants		⅛	--
Collyer Insulated Wire Co	*	21	23
Colonial Aircraft	10c	2c	6c
Colonial Board Co— Common	5	10½	11¼
$1.50 preferred	25	24¾	25½
Warrants		1½	2¼
Units		47¼	--
Colonial Stores com	2.50	16	17½
4% preferred	50	39	--
5% preferred	50	49	--
Color Craft Prod	1	3	--
Color Lithography	10c	n⅛	⅜
Color Reproductions	1c	¾	1⅛

* Without par value. a Called for redemption see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. - Ex-stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Colorado Milling & Elevator Co	1	19¼	21
Colorado Oil & Gas Corp com	3	10	11
$1.25 conv pfd	25	24¼	24¾
Colorite Plastics	25c	6	6¾
Warrants		2	2¼
Columbia Cellulose	*	6	6½
Columbia Technical	10c	1¼	1⅝
Columbia Toys cl A	25c	3⅜	3¾
Columbian Bronze	1	4¼	4¾
Columbus Electronics Corp class A com	10c	1/16	½
Columbus Plastics Products Inc	*	8⅜	8¾
Colwell Co	1	17	18⅞
Combined Locks Paper Class A	1	20	21
Commerce Clearing House Inc	1	26¾	28½
Commercial Filter	1.50	5¼	5¾
Commercial Shearing and Stamping	1	14	15
Commerzbank Amer dep rcts		60	61½
Commonwealth Oil Refining Co Inc	2c	8⅜	9
Commonwealth Thea of Puerto Rico	*	6¼	7⅛
Community Charge Plan	25c	1⅞	2¼
Community Research & Development	1c	8¼	8¾
45c preferred	5	7¼	8
Compagnie Francaise des Petroles		55½	57
Components Corp of America	1	2⅜	2¾
Compression Indus	10c	⅛	½
Computer Applica's	10c	8¾	9½
Computer Control	*	9¾	10⅛
Computer Equipment	*	⅞	1¼
Computer Instrumts	25c	5⅞	6¾
Computer Oriented Research & Eng	*	1¾	2⅛
Computer Systems	10c	2	2⅜
Computer Usage	25c	12	12¾
Concert Network	10c	25c	35c
Conductron Corp— Class A com	1c	14¼	14¾
Cone Mills 4% pfd	20	17	--
Conlon-Moore Corp	1	3	3½
Conn (C G) Ltd	5	11¼	12⅝
Connohio Co Inc com	1	2½	3
40c conv pfd	10	7	7¾
Conolite class A	10c	3¾	4⅛
Conrad Carson Electronics Inc	1	⅛	⅜
Consol Aerosol	10c	5½	6¼
Consolidated Airborne Systems class A	10c	¾	1
Consolidated American Services	1	2½	2¾
Consol Bottling	1	4⅞	5⅜
Warrants		1⅞	2⅛
Consol Bowling	10c	1⅝	2
Consolidated Business Systems Inc	10c	a3⅝	--
Consol Freightways	2½	9⅞	10¼
Consol Leasing Corp of Amer. com	50c	5	5½
7% conv pfd	10	11½	12
Units		28	29
Consol Oil & Gas Warrants		1⅜	1⅝
Consol Paper Corp Ltd	*	35	37
Consolidated Papers Inc (Wisc)	12.50	28¾	30¾
Consol Rendering	6.25	17	18⅝
Consolidated Research & Mfg class A	10c	2c	8c
Consolidated Rock Products Co	5	24¾	25½
Consol Sun Ray Inc 5% preferred	20	6	--
Construc Design	50c	4⅜	4¾
Consul & Designers	1	4¼	4¾
Consultants Bureau Enterprises cl A	10	1¾	2
Consumers Automatic Vending Inc	10c	½	⅞
Continental-Atlantic	1	41	--
Cont'l Commercial— 60c conv pfd	10	7	--
Continental Device	*	8⅜	8⅝
Cont'l Enterprises	10c	1/8	1 1/16
Continental Screw Co	1	12	12¾
Continental Tob	10c	5c	25c
Continental Transport Lines Inc	1	10½	11½
Control Circuits Inc	10c	--	1⅜
Cook Coffee Co	1	17¾	18¼
Cook Electric Co	1	4⅞	5⅜
Cooper (Peter) Corps— 6½% preferred	100	96	99
Cooper Tire & Rubber Warrants		8	8½
4¾% conv pfd	20	19½	20¼
Coplay Cement Mfg— New common	10	14	17
New 6% pfd	20	18	19½
Copymation Inc	50c	11½	12¼
Coral Ridge Prop— Class A com	10c	1⅜	1⅝
60c conv pfd	8	8⅛	8¾
Cormac Chemical	1c	½	⅝
Cornell-Dublier Electric Corp $5.25 pfd ser A	*	88	--
Cornet Stores	2	7	8⅛
Corrigan Communic	1c	15c	25c
Corson (G & W H)	1	13½	15
Cory Corp	1	7⅛	8
Cosmetic Chemicals	1c	1¾	2¼
Warrants		30c	60c
Cosmo Book Distributing	10c	5	5½
Cosmodyne Corp	*	15	16¼
Cosmos Industries	10c	1	1¼
Cosnat Corp— Class A common	10c	7⅜	7⅞
Country Set Inc	*	13	13¼
Courtesy Products	1	1	1½
Cousins Properties	1	8⅞	9⅜
Cove Vitamin & Pharm Common	50c	2⅜	2¾
Warrants		1	1⅜
Cowles Chemical Co	1	24¾	26¾
Cowles Magazines & Broadcasting	1	11	12
Cracker Barrel Superm'kets Inc	10c	5/16	7/16
Craig Systems	1	5⅞	6⅝
Cramer Electronics	1	3⅞	4¼
Crampton Mfg com	1	2⅝	2⅞
Warrants		7/16	9/16
6% conv pfd	10	10½	11½
Crawford Corp	1	3¾	4⅞
Creative Playthings	1	5	5½
Crescent Engineering & Research Corp	*	¾	1
Crescent Niagara	10c	8	9
Cresson Consol Gold Mining & Milling	1	⅛	¼
Cross Co	5	14⅛	15¼
Crossway Motor Hotels Inc common	50c	½	¾
Crouse-Hinds Co	1⅔	21	22¾
Crowley's Milk	10	8¾	9¼
Crown-Bremson Industries Inc	1	4⅝	5⅜
Crown Self-service Stores Inc units		⅜	½
Cryo-Therm Inc	1c	1⅝	1⅞
Cryogenics Engin'g	10c	8½	9¼
Cryogenics Inc	10c	1/8	¾
Cryplex Industries	10c	5½	6
Crystal Tissue	*	15	--
Culligan Inc	1	18½	19
Cumberland Shoe	50c	4	4¼
Cummins Engine	2.50	59¾	62¾
Curley Co Inc		2¾	3½
Curtis Cos Inc	2	6¼	7⅛
Curtis Electro Corp Class A	50c	2⅝	3⅛
Curtis Industries	*	6⅞	7⅛
Curtis Mathes Mfg	1	46¼	49¼
Custom Components	10c	1½	1⅝
Custom Craft Marine Co Inc	25c	1	1¼
Custom Credit Corp Ltd (Australia)	5s	1.20	1.40
Amer Deposit Rcts		6¾	7½
Customline Control Panels Inc	10c	1	1⅜
Cutler Federal Inc	*	2⅞	3⅜
Cyclomatics Inc	10c	⅜	⅝
Cyprus Mines Corp	4	24½	26¼
Daffin Corp	*	25	25¾
Daggafontein Mines Ltd Amer deposit rcts		2⅜	2¾
Dahlstrom Mfg Co	1	13	--
Daisy Mfg Co	2	14	15⅛
Dale System Inc	*	1	1½
Dallas Airmotive	1	7⅜	8¼
Dalto Electronics	1	⅝	⅞
Dan River Mills 5% preferred	20	16	--
Danly Machine Specialities Inc	5	6¼	6⅝
Darling (L A) Co	1	8	8½
Dart Drug Corp cl A	1	3⅛	3⅜
Dashew Busi Mach	10c	4¾	5¼
Data-Control Systems Now listed ASE			
Data Display	1	7¾	8¼
Data Processing— Class A common	*	n⅜	¾
Data Prods Corp	10c	6⅛	6⅜
Datamation Inc	10c	--	¼
Datatrol Corp	50c	6½	7½
Datom Industries	10c	1⅝	2
David & Dash Inc	10c	1¼	1⅝
David's Inc	1	2¼	2¾
Dayton Aviation Radio & Equipment	50c	½	¾
Dayton Mall Iron	*	32½	34
De Beers Cons Mines— Amer deposit rcts		32	34½
De-Flectronics Inc	10c	⅜	¾
Dejur-Amsco Corp— Class A	1	2⅜	2⅝
De Laval Developm't	*	30	40
DeMarco Business Forms cl A com	*	3¼	3½
Warrants		n¼	½
Dean Foods Co	*	24	25¾
Dean Phipps Stores— Common	1	12	--
5½% preferred	10	8	--
Dechert Dynamics	10c	¼	½
Decitron Electronics	1c	1⅛	1½
Deco Aluminum	5	¾	1⅛
Deer Park Baking	25c	9	9½
Defense Electronics	1c	4⅝	5
Dejay Stores Inc	50c	1c	4c
Dekcraft Corp	75c	2⅛	2⅜
Del Electronics	10c	2	2½
Delaware Barrel & Drum Co	50c	6¼	6¾
Delford Industries	10c	1 3/16	1 7/16
Delhi-Taylor Oil	1	21	22¼
Delta Electric	7.50	9¼	10½
Delta SS Lines	5	12¼	13¼
Deltown Foods Inc	1	17¼	18
Denab Labs Inc	50c	10c	20c
Denver Chicago Trucking Co	1	13⅜	13⅞
Deseret Pharmaceut'l	1	10	10½
Designatronics Inc	10c	⅞	1¼
Des Machine Bull— See Machine Bull			
Detrex Chemical Ind	2	8½	9¼
Detroiter Mobile Homes Inc	1	8⅞	9⅜
Deutsche Bank A G Amer dep rcts		63	64
Deval Aerodynamics Industries, Inc	10c	2	2⅜
Development Corp of America	10c	⅜	⅞
Devonbrook Inc	10c	1⅛	1⅜
Dewey (G C) Corp	1c	1⅝	2
Dextra Corp	10c	2½	2⅞
Diamond Alkali $4 preferred	*	94	96
Diamond Crystal Salt Co	2.50	14⅜	14⅞
Diapulse Mfg	10c	1⅛	1½
Dickey (W S) Clay Mfg Co	*	42	44
Dictaphone Corp	5	30¾	31½
Dictograph Products	2	4¾	5½
Diebold Inc	5	52½	55⅜
Dielectric Products Engineering 55c pfd	8	6½	7½
Digitronics Corp— Class A non-vot	10c	22¼	23⅞
Dilbert's Leasing & Development Corp	1c	--	⅛
Dillon (J S) & Sons Stores Co	5	26	28
Directomat Corp	1c	⅞	1⅛
Disc Inc class A	1	3¼	3⅞
Disct Corp of N Y	40	195	210
Discount Stores	*	⅛	½
Discount Sundry Sales Inc	1	4⅞	5⅜
District Theatres	1	4	4½
Dist Wholesale Drug Corp of Wash cl A	*	5¼	6⅛
DIT-MCO Inc	*	4	4¼
Diversa Inc common	1	7¼	7⅞
$1.25 conv pfd	5	22	23¾
Diversifax Corp	25c	⅞	1⅛
Units		1¾	2¼
Dixie Dinettes	1	3¾	4¼
Dixon (J) Crucible	20	28	30⅜
Dixon-Powdermaker Furniture Co	1	2	3
Dob Corporation	*	5½	6⅝
Dobbs Houses	16⅔c	17¾	18¼
Documentation Inc	10c	3⅝	4
Dodge Wire Co	1	90c	1.10
Doeskin Products	1	2⅝	2⅞
Dole Engineering	1	1⅛	1⅜
Doman Helicopter	10c	1/8	½
Donbar Development— Class A com	10c	1½	2
Donnkenny Inc	1	4½	4¾
Dorchester Gas Producing Co	*	9⅞	10⅛
Dorman Long & Co— Amer dep rcts		2½	3
Dornost Publishing	1c	½	¾
Dorsett Electronics	25c	1 1/16	1¼
Dorsey Corp "wts"		2¾	3⅛
6% pfd A ww	50	50	52
Doughboy Indus	1	24½	25¾
Dougherty Bros	25c	2⅞	3⅛
Douglas & Lomason	2	17	17½
Douglas Microwave	10c	1	1¼
Dover Construction	*	4¾	5¼
Dow Jones & Co	1	92½	95
Downtowner Corp	5	8¼	8⅝
Drackett Co	*	25	26½
Dravo Corp	1	62½	66½
Dresdner Bank— Amer deposit rcts		62	63½
Dressen-Barnes Electronics Corp	1	4¼	5
Drever Co	40c	8	8⅞
Drew Properties— Class A	1	7⅝	8
Drexel Dynamics Corp	*	¾	1¼
Drexel Enterprises	2.50	21⅝	22⅛
Du Pont of Can Ltd	*	35	35¾
Dubrow Electronics Industries Inc	10c	1¾	2½
Ducommun Inc	2	16¼	17½
Dudley Sports	10c	2⅜	2⅞
Duff-Norton Co	*	48	--
Duffy-Mott Co Inc	1	24⅝	26⅜
Duggan's Distillers Products Corp	50c	2⅛	2⅜
Dun & Bradstreet	1	63	66¼
Duncan Coffee Co	1	17⅛	18⅛
Duncan Elec Mfg— Class A	2.50	22	23
Class B	2.50	21¾	22¾
Dunham-Bush Inc	2	5⅛	5¾
Dunlap & Associates	1	3⅞	4¼
Duofold Inc	10	25¼	--
Dura Corp	1	27¼	29
Duriron Co	½	25	27
Duro Pen Co	50c	2⅝	2⅞
Duro-Test Corp Warrants		1½	1¾
5% conv pfd series of 1956	25	56	61
Dymo Industries	1	32	34
Dyna-Therm Chem	1	1 1/16	1⅛
Dynacolor Corp	20c	10⅞	11⅝
Dynamic Films Inc	10c	½	⅝
Dynamic Gear Co	10c	⅜	1/16
Dynamic Instru't	10c	⅞	1¼
Dynamic Vending	10c	3⅝	4
Dynascan Corp	1	4	4⅜
Dynasonics Corp	50c	⅛	¼
Dynatronics Inc	20c	2¾	3¼
ECPI Inc	25c	3⅜	3¾
E Z Painter Corp	1	11½	12½
Eason Oil Co	1	25	28¼
East Utah Mining	10c	70c	75c
Eastern Aluminum Mfg Co Inc	10c	½	--
Eastern Bowling Corp Class A common	1	¼	⅝
Eastern Camera & Photo Supply	10c	1	1¼
Eastern Lime Corp	1	17¼	18
Eastern Racing Assn	*	4¼	4¾
$1 preferred	*	15½	17½
Eastern Shopping Centers Inc	1	1½	1¾
Eazor Express Inc	1	10⅛	10⅝
Eckerd Drugs of Florida Inc	10c	17½	18¼
Economics Laboratory	1	44½	47⅜
Economy B'kbind'g	10c	1	1¼
Ecuadorian Corp Ltd	5	8½	9¾
Ed-U-Cards Mfg	1c	2¾	3¼
Edgcomb Stl Co (Pa)	5	19⅜	19⅞

* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend y Ex-stock dividend.

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INDUSTRIAL AND MISCELLANEOUS STOCKS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks— Par	Bid	Ask
Edgcomb Steel of New England cl A—5	9	9½
Edge Ltd ——25c	¾	1⅛
Edgerton Germeshausen & Grier Inc——1	16	17¼
Edgewater Steel Co—*	38½	42¼
Educational Develpmt—1	1	1½
Educator Biscuit Common ——1	8½	10
Class A ——10	8	9½
Edwards Engineering—1	6¾	7¼
Edwards Industries—50c	n¾	1⅛
Eichler Homes Inc—*	8¾	9½
EICO Electronic Instrument Co——1	2⅞	3⅛
Eitel McCullough——1	7	7⅜
Elca Corporation Now listed ASE		
Eldon Industries——1	4⅛	4⅝
Electrada Corp——1	2⅝	3
Electric Hose & Rub—10	31½	33
Electro Instruments—1	7¾	8¼
Electro-Mechanical Systems Inc—12½c	—	2½
Electro-Mechanics—10c	3½	4¼
Electro-Miniatures—10c	1¾	2
Electro Networks—10c	3	3½
Electro-Nite Engin'g—*	¾	1
Electro Refractories & Abrasives Corp——1	10	11
Electro-Tec Corp—10c	3½	4⅛
Electro-Temp Systems ——1c	1¼	1¾
Electrolux Corp——1	50	52⅞
Electromagnetic Industries Inc——10c	1⅞	2¼
Electronic Accounting Card Corp——1	5¾	6½
Electronic Communications 6% conv pfd—10	n17	—
Electronic Components *	1⅝	2⅛
Electronic Controls—25c	3⅞	4⅜
Electronic Discovery—1c	n1/16	3/16
Electronic Engineering Co of California—1	4½	4⅛
Electronic Products —*	1⅛	1½
Electronic Wholesalers ——20c	7½	7½
Electronics Missiles & Communications—10c	1¾	2
Electronized Chemicals Corp ——10c	3⅜	3⅝
Electrosolids Corp— Common ——*	¾	1¼
6% conv pfd——10c	2	2¾
Elgeet Optical Co——1	2	2⅜
Elion Instruments—50c	½	¾
Elk Horn Coal Corp—*	15½	17
Elliott Automation— Amer deposit rcts—	6	6½
Elmar Electronics——*	4	4⅝
Elox Corp ——1	6¼	6¾
Emac Data Processing Corp —1c	¾	⅞
Emery Industries——*	101	105
Emmer Glass Corp— Class A common—10c	1	1⅜
Empire Devices ——1	a13	13¾
Empire Petroleum——1	34c	37c
Empire State Oil——1	19⅛	21⅜
Endevco Corp ——*	3¾	4½
Enflo Corp ——10c	⅝	⅞
Ennis Business Forms Inc——2.50	26½	28¼
Entron Inc——10c	2⅜	2⅝
Eon Corporation——1	4¾	5¼
Epko Shoes Inc——1	9½	10
Epsco Inc ——*	3⅝	3⅞
Equity Oil Co——10c	11	11⅜
Erie Resistor Corp— Common ——2.50	8½	8⅞
90c conv pref—12.50	15	16
Erlanger Mills ——1	20	—
Estey Electronics —10c	4⅝	5⅜
Ethyl Corp— Class A com——3	47	—
Class B com——3	47	47¾
6% series A pfd—100	100	—
Ets-Hokin & Galvan—1	10½	11⅜
Eureka Corp Ltd—25c	17c	20c
Evans Inc——1	11½	12
Eversharp 5% pfd—20	21	—
Exchange Buffet—2½	5c	15c
Executive Equipmt 10c	2¼	2½
Executive House Inc—1	15/16	1 1/16
Warrants ———	1/16	3/16
Executone Inc——1	5⅜	5⅞
Exolon Company——*	42	43½
Extrin Foods Inc—10c	2⅝	3
F & F Finance——50c	⅛	⅜
F R Corp——50c	1⅝	2
Faber Coe & Gregg—*	41	44
Fabien Corp——50c	7⅛	7½
Fairbanks Co——10	5¼	—
Fair Lanes Inc cl A—1	4⅛	4⅞
Fairey Co "Adrs"——	3¾	4
Falconbridge Nickel Mines Ltd ——*	52½	53½
Family Circle Assoc class A——10c	10	10½
Family Record Plan Now listed ASE		
Fanon Electronic Industries, Inc—20c	1	1⅜
Faradyne Electronics 5c	3¾	4¼
Farbenfabriken Bayer Amer deposit rcts—	65	66½
Farbwerke Hoechst A G Amer deposit rcts—	58½	61⅜
Farmer Bros Co——1	7¼	7¾
Farrel Corp ——12.50	39	41¾
Farrington Mfg——*	4	4¼
Fastline Inc——10c	⅝	⅞
Fate-Root Heath Co—1	15	17
Faultless Caster——1	4⅝	5⅛
Faultless Rubber——1	23	—
Fearn Foods Inc——5	21	23
Fed-Mart Corp——*	12⅛	13¼
Federal Bake Shops—1	3¾	4¼
Federal Bowling Centers Inc——1c	3c	7c
Federal Compress & Warehouse Co—12	21⅜	21¾
Fed Mfg & Engineer'g Common ——10c	a2½	2¾
Federal National Mtg Association ——100	88½	89
Federal Resources —50c	1¾	1⅞
Federal Screw Wks—1	15¾	16¾
Federal Sign & Signal Common ——1	20¾	21¾
$1.20 con pr pfd—*	20¾	21¾
$1.25 preferred —10	19½	21
Federal Steel Corp—*	2½	2¾
Federated Electrcs—10c	1½	2
Federated Publicatns—*	54	—
Ferro Dynamics —25c	1½	1¾
Ferson Optics Inc—*	3⅛	3½
Fiat Metal Mfg——10c	7¾	8¼
Fiat Motors— Amer dep rcts ——	4¼	4¾
Fieldcrest Mills ——*	17¾	18¼
5th Avenue Cards—10c	1⅝	1⅞
Fifth Dimension —50c	3⅝	4
53 State St Corp—100	17	—
Filmohn Corp——10c	2¾	3½
Filon Corp——20c	15⅞	16⅜
Fireco Sales Ltd——*	2⅜	2⅞
First Flight Co——50c	7¼	8
First Hartford Realty Corp ——1	7	7¾
First Republic Corp of America class A——1	2⅜	2¾
First Southern Co—1	4¼	4⅝
First Union Realty—1	13¾	14
Fischer & Porter Co— 5% preferred ——10	8	9
Fisher Foods com—2.50	11	12
$5 preferred——*	82	87
Fisher Governor Co—1	28⅛	29⅞
Fitchburg Paper Co Class A com——1	13½	14
Flagg-Utica Corp ——5	n11½	—
Fleming Co Inc——2.50	26	28¼
Flexible Tubing ——1	4⅜	4¾
Warrants ———	1	1¾
Flora Mir Candy—10c	1⅜	1⅞
Florida Hillsboro——1	½	¾
Florida Palm-Aire——1	2	2⅜
Florida Properties—10	33	35
Florida Steel Corp——1	8⅛	8⅝
Florida Tile Indus— Class A common——1	6⅜	6⅞
Floyd Bennett Stores 5c	9¼	10½
Fluke (John) Mfg—50c	5⅝	6⅛
Fluorocarbon Co—40c	3¼	4¼
Flying Tiger Line 5% preferred ——10	7⅜	7⅝
Foamland USA——25c	1½	1¾
Food & Drug Research Laboratories ——50c	12¼	13¼
Food Fair Properties—1c	1¾	2
Warrants ———	¾	⅞
Food Plus Inc——1	4¼	4¾
Foote & Davis Inc——1	a—	—
Foote-Burt Co——5	13	15
Forbes & Wallace— $3 class A——*	50	—
Class B non-voting—*	30	—
Forcite Inc——50c	⅜	⅝
Foremost Dairies 4½% preferred —50	46	—
Forest Laboratories—10c	32	33
Forman Realty Corp—10	75	78
Formsprag Co ——1	13	—
Fort Worth Steel & Machinery Co——*	7	7⅞
Fortuna Corp ——10c	1⅝	1¾
"42" Products Ltd——	7½	8⅜
Foster-Forbes Glass 1.50	20½	21¼
Foster Grant Co ——1	17¾	19⅜
Foundation Co (NY)—1	1¼	1⅝
Four Corners Oil & Minerals Co——1	¼	⅜
Four Star Television—*	7⅛	8⅛
Fownes Bros & Co——1	9	9¾
Fox St Louis Prop— Units ———	4	—
Fox-Stanley Photo Products ——1	5¼	5⅞
Franchard Corp Class A ——1	2½	2⅞
Franco Wyoming Oil—6	38¼	39¼
Frank (Albert) Guenther Law——1	28	—
Franklin Balmar Co—*	15	17
Franklin Corp ——1	7⅞	8½
Franklin Electric——*	17	17¾
Frantz Mfg Co——1	14⅝	15⅞
Free State Geduld Mines Ltd "ADRS" 5s	18⅛	18½
French (Fred) Inv—*	13	14
Freoplex Inc ——10c	½	1½
Frigikar Corp ——50c	8¾	9⅛
Frisch's Restaurants—*	11¾	12¾
Frito-Lay Inc ——2.50	34¼	34¾
Fritzi of Calif Mfg—1	7½	8¼
Frontier Airlines——1	7⅜	7¾
Frontier Refining Co—1	8	9¼
Frouge Corporation—1	2¾	3
Fuller Industries —1c	¼	—
Fullview Industries— Class A common—50c	1⅛	1½
Fulton Industries——2	7½	8
Fulton Market Cold Storage (Ill)——5	13	—
Funded Securities A—2	1½	1¾
Furman-Wolfson —10c	9⅜	10¼
Futterman Corp cl A—1	6¼	7
G L Electronics ——20c	4½	4⅞
G M S Stores——10c	1¼	1⅝
Gabriel Industries——1	8	8½
Gap Instrument —10c	½	¾
Garden Land Co——1	4¾	5⅛
Garden State Racing—	850	950
Garfinkel (Julius)— Common ——50c	36	37½
Garland Knitting Mills Class A common—1	19⅝	21
Garlock Inc ——1	24¼	26½
Garrett Freight-lines ——1.66	13½	14¼
Garsite Products—10c	1¾	2⅛
Gas Hills Uranium—1c	22c	26c
Gate City Steel— 7% pfd ser B ww—20	19½	—
Gateway Chemicals—*	9⅞	10¼
Gateway Transp —1	9¼	9⅝
Gatlinberg Ski ——1	n2⅝	3⅛
Gelman Instrument—*	6	7
Gem Electronic Distributors Inc —25c	5¼	6
Gem International—70c	5⅛	5⅜
General Abrasive Co—1	18½	20
General Aniline & Film class A——*	290	317
General Atronics——*	1⅞	2⅜
General Automotive Parts Corp ——*	11¾	12⅛
Genl Castings Corp 10c	1¼	1¾
General Coil Prods—10c	3⅛	3⅞
General Crude Oil—2½	35	36
General Devices Inc—1	¾	1⅛
Genl Drive-in Corp—*	10	11
General Economic Syndicate class A—10c	⅞	1⅜
Gen Economics Corp—5c	1/16	3/16
General Electronic Control Inc ——10c	30c	40c
General Electronics— Class A——10c	5/16	½
General Electronics Laboratories— Class A——33⅓c	2	4
General-Gilbert ——1	1¾	2
General Indicator——1	5	6
General Industries—4	17¾	18¾
General Kinetics —25c	1¼	1⅝
Gen Magnaplate—50c	1½	2
General Precision Equipt $4.75 pfd—*	99	101
Gen Resistance Inc—10c	¼	⅝
General Shale Products Corp——*	18⅜	19¾
Gen Spray Service— Units ———	⅛	⅜
Gen Supermarkets—8c	13⅜	14¼
Gen Tin Investments Ltd "ADRS"——	1⅜	1¾
Gen Tire & Rubber Co $27.50 warrants——	45½	47
General Utilities Inc—1	3c	8c
Genge Industries——*	2	2⅜
Genisco Inc——1	9½	11¼
Genuine Parts Co——5	22½	23½
Geochron Labs——1c	10c	20c
Geophysics Corp of America ——60c	14½	15
Georgia Marble Co—10	35¼	36¾
Georgia Shoe Mfg——1	10¼	10¾
Geoscience Instrumts 1c	⅛	⅜
Geotechnical Corp——1	13¼	14¼
Geotechnics & Resources class A—25c	⅛	⅜
Gera Corp (N J)—100	2,000	2,200
Gerber Scientific Instrument Co——*	6	6½
Geriatric Pharmac 10c	1¼	1½
Geriatric Services—10c	4	4½
Gertsch Products ——*	8¾	9¾
Gestetner Ltd— Ord A Am dep rcts—	4¾	5¼
Getchell Mine Inc——1	2⅛	2⅜
Getz (Wm) Corp——*	11¾	12½
Gevaert Photo-Production "adrs"—*	51	53
Giannini Scientific—10c	3⅛	3⅝
Giant Food Prop—10c	1½	1⅞
Giant Tiger Stores—*	5¼	5¾
Giddings & Lewis Machine Tool——2	17⅞	19¼
Giffin Industries——1	1⅛	1⅝
Gilbert Data-Systems Inc ——1c	2⅝	3
Gilbert Marketing Group Inc——50c	2¼	2⅝
Gilfillan Corp ——*	9¾	10⅝
Gilpin (Henry B) Co— Class A common—*	15½	16½
Girard Industries—50c	7⅞	8⅛
Girder Process— Class A ——1c	1⅝	2⅛
Girltown Inc cl A——1	6¾	7¼
Gisholt Machine——10	14¾	15¼
Glamur Products——8c	5c	25c
Glasrock Products—10	4⅝	5⅛
Glasspar Co——50c	1⅞	2¼
Glastron Boat Co——*	2	2⅜
Glatfelter (P H) & Co Common ——5	34½	36
4½% preferred—50	46	—
4⅝% pfd ——50	47	—
Glaxo Group Ltd Amer dep rcts ord——	6⅛	6⅞
Glen-Gery Shale Brick Corp——50c	6¾	7½
Glen Industries ——10c	1½	2¼
Glen Mfg Inc——1	5⅝	6⅛
Glitsch (Fritz W) & Sons Inc ——2	7⅛	7⅝
Global Steel Prod—50c	1⅛	1½
Globe Industries——*	9	9½
Globe Rendering ——	9½	—
Globe Rubber Products Corp——*	16¼	17½
Goddard Inc——10c	⅜	⅝
Goddard Indus——1	8½	9½
Godfrey Company——5	17½	19⅜
Goebel Brewing 60c conv pfd——10	1¾	2¼
Goff Oil Co——10c	⅞	1⅛
Golden Cycle Corp—10	7¼	8¾
Golden Triangle Industries Inc—80c	⅝	1
Goldsmith Bros —25c	2⅝	3
Gordon & Breach Science Publish —10c	n⅛	⅜
Gorton's of Gloucester Inc ——*	33¼	34
Gould Properties cl A—1	9⅝	10⅝
Gradiaz Annis & Co—1	a17¼	—
Graham Chemical —10c	1¼	1¾
Grain Elev Whse Co 10c	16	19
Granco Inc class A—1	¾	1⅛
Granco Products—50c	⅝	1
Grand Union Co— 4½% preferred—50	46	47½
Granger Associates—1	13¼	14¼
Great Amer Realty— Class A——10c	⅜	½
Great Lakes Term W'house (Ohio)——1	16	—
Great Plains Development Co Ltd——1	10½	11
Great Universal Stores Ltd class A——5s	7¼	7¾
Greater All American Markets ——1	3⅜	3⅝
Green (Daniel) Co—10	42	—
Green (A P) Fire Brick Co——5	18¾	20⅛
Green Giant Co com—*	37	37½
5% preferred——100	98	—
Green Mountain Uran Class A ——1c	11c	13c
Green Shield Plan—25c	1¾	2⅛
Greene (M J) Co—10c	1½	2½
Gremar Mfg Co——*	1¾	2⅛
Griesedieck Co 5% conv pfd——30	27	—
Griess-Pfleger Tan—5	10	12
Griggs Equipment—50c	6⅛	6½
Grinnell Corp——*	87	91½
Grocerette Vending Machines Inc——15c	5c	15c

—* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value t New stock x Ex-dividend
v Ex-stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Grolier Inc	1	50¾	53⅝
Gross Telecasting	1	23¼	24
Grosset & Dunlap	1	8⅞	9⅜
Gruen Industries	1	4¾	5
Guantanamo Sugar	1	2¼	2¾
Guardian Chemical	10c	2⅝	3¼
Guardian Paper Co	1	5⅞	6⅝
Guidance Tech	10c	14c	18c
Guild Musical Instrument Corp	5c	½	--
Gulf Coast Leaseholds Inc	20c	1⅛	1⅛
Gulf Interstate Co	1	6	6¾
Gulf Resources	10c	4¼	4⅝
Gulf Sulphur Corp	10c	3⅞	4⅛
Guy's Foods Inc	2	8⅝	9⅛
Gyrodyne Co of America Inc	1	8⅛	8⅝
Hager Inc	*	1¼	1⅝
Hajoca Corp	1	40	42
Halco Chem (Units)		1/8	⅝
Halle Bros common	5	20¼	20½
$2.40 conv pfd	50	n44½	--
Halliday Lithograph	1	10¾	11½
Halo Lighting	*	8⅜	8⅝
Hamilton Cosco Inc	*	14⅝	15⅞
Hamilton Mfg	*	18	19½
Hampton Sales Co	10c	1⅛	1⅜
Hancock (J W) Inc— Common	10c	⅜	¾
6% conv pfd	2	⅜	¾
Handmacher-Vogel	1	4⅛	4⅝
Handschy Chemical	1	8½	9¼
Handy & Harman	1	10⅜	11⅜
Hanna Mining Co	1	126	131¾
Hanover Equities— Class A	1	4⅞	5⅛
Hanover Shoe	1	15¾	16¾
Hansen Mfg Co	1	12½	13½
Hanson-Van Winkle-Munning Co	3.50	n11¼	12¼
Hapman Corp	1	1⅛	1⅜
Harnischfeger Corp 6% conv pfd	100	102½	106½
Harper (H M) Co	1	11¼	11⅝
Harper & Row Publishers Inc	*		
Harper Vending	5c	17¾	18¾
Harrington & Richardson Arms	1	4½	5½
Harris-Teeter Super Markets	5	13½	14½
Hart-Carter Co	1	20	21
Hartebeestfontein Gold Mining Co Ltd— Amer deposit rcts		7	8
Harvest Brand Inc	10c	4⅝	5
Harvey House	10c	1⅛	1¼
Harvey Wells Corp	1c	2¼	2⅝
Harvill Corp	1	1⅞	2½
Harwyn Publishing Class A	10c	3⅞	4¼
Hastings Raydist	1	14	15½
Hauserman (E F) Co	1	7½	8
Hausman Steel Co	5	6⅛	6⅝
Havana Racing Co	10c	4c	7c
Haven Industries	10c	4c	7c
Haverty Furniture	5	18¾	--
Hawaiian Pacific Ind	*	2⅝	3
Hawley Products Co	5	10	10¾
Hayden Publishing	1c	3⅞	4⅜
Hayes Int'l	2.50	14	14¾
Hazel Park Racing	1	4	4¼
Voting Trust ctfs		3¾	4⅛
Head Ski Co Inc	1.50	23	24
Hearst Consol Pub— 7% class A pfd	25	25	27¾
Heath (D C) & Co	5	17	18⅜
Heldor Electronics Mfg Corp	10c	⅛	5/16
Helm's Express Inc— Class A common	1	6⅞	7⅜
Hendrick Ranch Roy	1	3½	5
Henry's Drive-In	*	5⅝	6⅜
Heppenstall Co com	50	16	19
4½% preferred	50	25	30
Hercules Galion Prod- 6% B conv pfd	20	20	22
7% pfd ser A	20	20	--
Herff Jones Co	1	15½	16
Heritage Industrial	1	2⅜	2⅞
Heritage Petroleum	1	⅜	¾
Herman & Appley Inc Class A com	10c	3¾	4¼
Hermetic Industries Class A	10c	n7/16	⅝
Hermetite Corp	*	2	2⅜
Hershey Creamery	5	43	--
Herts-Lion International Corp	1	⅝	⅞
Hewitt-Robins Inc— 5% preferred	10	8⅜	9
Hewlett-Packard Co— 90c conv pfd	1	19	19½
Hexagon Labs Inc	1	1⅛	1½
Hexcel Products	1	17¼	18¼
Heywood-Wakefield— Common	12.50	21½	--
1st pfd 5% ser B	25	9¾	10¼
Hi-Press Air Conditioning of Amer	10c	n⅛	⅜
Hi-Shear Corp	*	5⅞	6⅝
Hialeah Race Course	1	73	76
Hiawatha Oil & Gas	10	1⅝	2
5% conv pfd	10	5¾	6¾
Hickok Electrical Instrument Co cl A	1	5⅞	6¼
Hicks-Ponder Co	1	8¼	8⅝
Hico Corp of Amer	1	3½	4
Hidden Splendor Mining Co	50c	7	--
Higbee Co	1	31½	33½
Hightstown Rug	1	2⅞	--
Hilco Homes Corp	*	1	1¼
Hines (Ed) Lumber	10	24½	25
Hirsch (P N) & Co	1	14	15⅛
Hitachi Ltd Amer deposit rcts		19⅜	19¾
Hobam Inc	6c	5	5½
Hobart Mfg Co	*	44	46
Hoerner Boxes	1	21¼	21¾
Hofman Laboratories	25c	9¼	9¾
Hogan Faximile	10c	2⅞	3⅛
Holiday Inns of America	1.50	21¼	22⅝
Hollingshead (R M)	1	16	17
Homestead Valve Manufacturing	2	7⅞	--
Honda Motor Co Ltd Amer deposit rcts		16⅛	16⅝
Honeycomb Products	*	5¼	5¾
Honeggers Inc	*	5¼	6
Honig's-Parkway	10c	n⅝	1
Hooghovens— Am dep rcts	20 fl	33	34½
Hoover Company— Class A com	2.50	30¾	32⅝
Horizon Land Corp	1c	4⅝	5¼
Horne Enterprises	1	14	15
Hot Shoppes Inc	1	22¼	22¾
House of Vision	1	16⅜	16⅞
House of Westmore	10c	2¼	2½
Houston Fearless Corp	1	1⅜	1⅝
Houston Oil Field Material com	1	8⅛	8⅞
5½% preferred	100	63	--
Howell Instruments	*	5½	6
Hubinger Co	1.25	17	18
Hudson Pulp & Paper Class A common	1	23¼	25⅛
$1.41 2nd pfd	24.50	25¼	26
5% pfd series A	25	22	--
5.12% pfd B	25	22½	--
Hudson Wholesale Groceries Inc	1	4	4⅜
Hudson's Bay Co	£1	12½	13¼
Hudson's Bay Oil & Gas Co Ltd	2.50	13¼	13¾
Hupp Systems Class A com	10c	1½	--
Hurletron Inc	25c	4¼	4¾
Husky Oil Co (Del) 6½% preferred	100	97	--
Huston (Tom) Peanut	*	34½	35¼
Huyck Corp	*	18½	19½
Hyatt Corp of Amer	1	3½	4⅛
Hydra-Power Corp	10c	3⅜	3¾
Hydraulic-Press Brick Co	1	7¼	8
Hydro-Electronics	1c	½	¾
Hydro Space Technology	50c	a--	--
Hydrocarbon Chem	1	1⅜	1¾
Hygiene Industries	1	5	5¼
Hygrade Pack cl A	50c	1⅝	2
Hyster Company	50c	30¼	32½
I D Precision Components Corp	10c	⅞	--
I-T-E Circuit Breaker 4.60% pfd	50	40	--
ITI Electronics	5c	⅞	1
Ideal Precision Meter Co	10c	2	2 1/16
Ilikon Corp	10c	26¼	28½
Illinois Tool Works	10	45	46½
Imac Food Systems	*	½	1
Imperial 400 National		6½	7
Income Properties— Class A	50c	3¼	3⅜
Indep Coal & Coke Co	1	⅞	1
Indian Head Mills— Common (ex a 50% stock div)		t14⅜	14⅞
$1.25 preferred	20	24¼	24¾
Indian River Citrus Fruits Inc	2	4¾	5¾
Indiana Gas & Chemical Corp	50c	41	44
Indiana Limestone	10	3¼	3½
Indianapolis Stk Yards Common	50	22	24
6% preferred	50	50	54
Industrial Instruments Inc	50c	⅝	⅞
Industrial Timer	1	5¾	6⅝
Industrial Vinyls	10c	¾	1
Industro Transistor	10c	¾	1¼
Information for Industry Inc	25c	11	12⅝
Infrared Industries	*	3¾	4⅜
Inland Container Corp Class A common	*	43	44¼
Inland Underground Facilities Inc	50c	11⅞	12⅞
Inman Mills	100	11	--
Inpak Systems	1c	3⅜	3⅞
Insley Mfg Corp	10	7⅝	8
Instrument Systs	25c	2⅝	2⅞
Instruments for Industry Inc	25c	1¼	1⅝
Insul-Cup Corp of America	1c	10c	20c
Insular Lumber	10	12	--
Insurance Exchange Bldg (Chicago)	10	35½	--
Intercoast Cos	10	12½	13¼
Intercontinental Dynamics Corp	10c	⅞	1 1/16
Int'l African American Corp	1	7	--
Int'l Airport Hotel System Inc	1	3	3½
Int'l Cablevision— Class A common	10c	1¾	2
Int'l Computers & Tabulators "adrs"		10	10¾
Int'l Correspondence Schools World	2.50	5	5½
International Data Systems Inc	12½c	4	4¼
International Dist & Vintners "adrs"		2½	2¾
Int'l Electronic Research Corp	*	a10	--
Int'l Electronics Class A common	10c	1⅜	1¾
Intl Flavors & Fragrances	50c	37½	39⅝
Int'l Flight Caterers Inc	1c	½	1
Int'l Industries Inc	*	4½	5¼
Internat'l Marine	1c	⅜	⅞
Int'l Oils & Metals	1	7c	9c
Int'l Packings Inc	*	24	26
Intern'l Photocopy	20c	--	2½
Int'l Proteins	1	5¾	6¼
Int'l Publishing Amer dep rcts		2⅛	2⅜
International Railroads Weighing Corp	1	8	8⅜
Int'l Recreation Cp	50c	⅞	1¼
Int'l Talc common	5	40	--
7% preferred	100	115	--
Int'l Textbook Co	*	54½	58¼
Int'l Ultrasonics	10c	3¾	4½
Interphoto Corp Common class A	1	5⅝	5⅞
Interprovincial Pipe Line Co	5	77	78
Interstate Bakeries	1	27	28¾
$4.80 preferred	100	84	90½
Interstate Engineer'g	1	8⅝	9⅛
Interstate Hosts	2.50	15½	16½
Interstate Motor Lines Inc	1	18¾	19¼
Interstate Vending	1	11	12
Ionics Inc	1	10¾	11¼
Irving (John) Shoe	1	2	3½
6% preferred	25	--	14
Irwin (Richard D)	*	10⅜	11¼
Itek Corp	1	18	19
Ivey (J B) & Co	5	18	19¼
J E Plastics Mfg	10c	5¼	5½
J-F Machine Diesel & Electronics	10c	¼	⅝
J-K Industries	*	40c	47c
Jackson's Minit Markets Inc	1	5¾	6⅛
Jacobs (F L) com	1	1⅝	1⅞
5% conv pfd	50	30	33
Jacobsen Mfg	1	10⅜	10⅞
Jacquin (Charles) see Charles Jacquin			
Jaguar Cars Ltd— Amer dep receipts		10¼	11¼
Jahn & Ollier Engraving Co	1	4	4½
Jahncke Service Inc	2	11⅝	12¾
James Vend Mach	10c	--	1
Jamesbury Corp	1	6½	7⅜
Jane Colby Inc	1	7¼	8
Jantzen Inc	1	22¼	23¼
Jarecki Corp	1	6¾	7½
Jarrell-Ash class A	1	6¼	7⅛
Jeddo Highland Coal	*	80	--
Jefferson Lake Asbestos "warrants"		3	3¾
Jefferson Lake Sulphur 7% preferred	10	10½	11¼
Jenkins Bros	25	31	33
Jergens (Andrew)	*	25½	27
Jerrold Corp	10c	6¼	7⅛
Jervis Corp	1	4⅛	4⅝
Jessop Steel Co	1	9¼	10¼
Jet-Aero Corp	10c	¾	1⅛
Jewell (J D) Inc	1	5	6
Jiffy Steak Co	1.25	11	11½
Johnmar Industries	10c	⅜	⅝
Johnson Electronics	1	½	⅞
Johnson Service	5	53½	56½
Jolyn Electronics Mfg Corp	1c	2¾	3¼
Jones & Lamson Machine Co	20	a21¼	23¼
Jones Motor Co	2	8¾	9½
Jonker Business Machines "units"		2¾	3¼
Jorn's Greeting Card Co Inc	10c	2⅛	2⅜
Joseph & Feiss Co	2.50	14¼	14¾
Joslyn Manufacturing & Supply Co	1.25	53	55
Jostens, Inc Class A	33⅓c	14½	15
Joyce Leslie— See (Leslie Joyce)			
Jubilee Iron	1	2½	2¾
Julian & Kokenge	*	36	37
Julie Research Laboratories	1	4½	5⅛
Julyn Sportswear— Class A	10c	1⅞	2¼
Juniper Oil & Mining Co	10c	1¾	2½
Jupiter Corp $1.50 pfd	*	16¾	17¼
Jurgensen's (Cal)	1	4¼	5
Justheim Petroleum	5c	17c	21c
Justrite Mfg Co	1	1¼	--
K A Electronics	1	3/16	5/16
K D I Corp	85c	1	1 3/16
Kahn's (E) Sons	*	27	29
Kahr Bearing Corp	10c	5	5½
Kaiser-Nelson Corp	10c	2⅝	3
Kaiser Steel Corp— Common	1	15½	16⅝
$1.46 preferred		23¼	24⅞
Kalvar Corp	2	263	279
Kaman Aircraft cl A	1	10½	11¼
Class B	1	9¾	10¾
Kane-Miller Corp	1	6	6¾
Kann-Ellert Electronics	1	2	2½
Kansas City Stock Yards (Me)	100	63½	--
5% preferred	100	98	--
Kapner Inc	10c	n5	5½
Karstadt (Rudolph) American shares		8½	--
Bearer shares		197	205
Kavanaugh-Smith	1	4⅛	4⅞
Kay Foods Corp	1	5¾	6¼
Kay Windsor class A	1	9½	10¾
Kaymarq Consol— 84c preferred	1	⅜	¾
Kearney & Trecker	3	11⅛	12
Keene Packaging Associates	10c	6⅞	7¼
Keith (George E) Co— Common	*	4¼	5¾
$5 prior pfd	100	44	--
Kellett Aircraft Corp	1	1⅜	1¾
Kelling Nut Co	3	4½	5½
Kellogg-American	10c	1¾	2½
Kellwood Co	*	29¼	31⅜
Kelly Girl Service	1	13½	14⅞
Kendall Company $4.50 pfd series A	*	94	--
Kendall Refining	10	23½	24¼
Kennametal Inc	5	22½	24⅜
Kennedy's Inc— $1.25 conv pfd	*	n20	21½
Kenrich Corp Class A	20c	¾	⅞
Warrants		n⅛	¼
Kent Dry Cleaners	10c	2	2½
Kent-Moore Organization Inc	1	24½	26
Kentucky River Coal Corp	25	77	--
Kentucky Stone	10	52	--
Kenwin Shops Inc	1	2⅝	2⅞
Kerite Company	10	19¼	20¼
Kerr Addison Gold Mines	1	5⅞	6¼
Kerr-McGee Oil Indus 1964 warrants		8	9½
1967 warrants		18	22
Ketchum & Co Inc		9¾	10¾
Kewanee Oil Co— Class A	10	31	31¾
Class B	10	30	30¾
Keyes Fib Co com	1	19½	19⅞
Warrants		3¼	3⅝
4.80% 1st pfd	25	24	25

* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal r Canadian dollar value. t New stock. x Ex-dividend y Ex-stock dividend.

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INDUSTRIAL AND MISCELLANEOUS STOCKS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Keystone Alloys	1	7	7½
Keystone Discount Stores Inc	1	4	4¼
Keystone Electronics	25c	¾	1⅛
Keystone Portland Cement Co	3	17	18⅜
Kinetics Corp	*	3⅜	4
King Kullen Grocery—Class A	1	11⅛	12
King Louis Int'l	1	5	5½
King Oil Inc (Del)	1	60c	70c
King's Dept Stores	1	13¾	14¼
Kingsport Press	1.25	19¼	20
Kingwood Oil	1	10½	11⅜
Kirby Lumber Corp	1	53½	--
Kirby Petroleum Trust Certificates No 1		6½	--
Certificates No 2		2½	--
Kirk Industries	1	1½	2
Kirk (C F) Labs	20c	2¾	3⅛
Kirsch Co	5	19½	20¼
Klondex Inc class A	1c	2⅜	2¾
Knape & Vogt Mfg	2	21	22½
Knapic Electro Physics Class A com	2	10c	16c
Knapp & Tubbs Inc	50c	2⅛	2⅜
Knickerbocker Toy	10c	2½	3
Knox Glass Inc	6.25	8¼	8⅞
Knudsen Creamery Co of Calif	1	28½	30⅝
Koehring Co com	2	18⅛	19⅜
5% conv pfd	50	47½	--
Koeller Air Prod	5c	1	1⅜
Kogel Inc	10	½	⅞
Kollmorgen Corp	2.50	19½	21½
Korfund Inc	10c	1½	2
Koster-Dana Corp	1c	2¼	2¾
Kromex Corp	1	7	7⅞
Krueger (W A) Co	5	6½	7¼
Krylon Inc	*	7¼	7⅝
Krystinel Corp cl A	1c	⅛	⅜
Kuhlman Electric	2	12	12¾
Kulicke & Soffa Mfg	*	3⅛	3½
Kurz & Root Co	1	1½	2
Kusan Inc (Ky)	1	4⅜	4⅞
L. I. Chromatel Inc—Class A	10c	n⅛	⅜
La Consolidada S A—Common	75 pesos	4½	--
6% pfd	75 pesos	4½	--
La Crosse Cooler	2.25	10¾	11¾
La Maur Inc	10c	13	13⅜
Laboratory Procdres	1c	1	1¼
La Pointe Industries	1	½	1/16
Laclede Steel Co	20	140½	145½
Laguna Niguel Corp—Units		10⅝	11½
Laird & Co	1	3	3½
Lake Arrowhead Development	*	3	3⅝
Lake Central Airlines—Common	1	6	7⅛
6½% conv pfd	10	23¼	24
Lake Ontario Portland Cement	1	2	2¼
Warrants		⅜	½
5% conv pfd	10	10	10¾
Lakeside Industries	1	3⅝	4½
Lamson & Sessions—4.75% conv pfd A	50	42	45
Lamston (M H) Inc	1	9⅝	10⅜
Lamtex Indus	10c	n3	3¼
Lamtron Industries—Class A	10c	⅜	¾
Lance Inc	2.50	14¾	15⅛
Land Equities Inc—Class A common	1c	⅝	⅞
Land Title Bldg	$6	53	--
Landa Oil Co	10c	3⅛	3¾
Landis Machine	2	31½	33
Landis Tool Co	*	n215	--
Langendorf United Bakeries Inc com	1	17⅞	19¼
$1.80 preferred	25	28½	--
Langley Corp	1	⅝	⅞
Lannett Co Inc	2	1⅞	2¼
Lansing Development	*	⅛	½
Larr Optics & Electronics Co	*	n¾	1
Larsen Co	6⅔	10⅞	11⅜
Lasco Industries	*	--	3¾
Latrobe Steel Co	2.50	17⅛	18½
Lau Blower Co	1	4⅞	5⅛
Lawter Chemicals	1	16¼	17¾
Layne & Bowler Pump Co	1	5½	6⅝
Le Cuno Oil	10c	1.35	--
Le Maire Tool & Mfg	1	2¼	2¾
Le Tourneau (R G)	1	10½	12
Leach Corp	20c	10½	12½
Leader-Durst Corp—Class A common	50c	3½	3¾
Leaseway Transport'n	1	24	25⅞
Lee (H D) Co Inc	*	20¾	21¼
Leece-Neville Co	50c	11⅛	11⅝
Leeds & Northrup	50c	27¼	28¼
Leeds Homes Inc	25c	n2c	8c
Leeds Travelwear—Common class A	1	4⅝	5¼
Leetronics Inc	50c	2½	2¾
Lee Way Motor Freight Inc	1	8½	9½
Lee Wilson Engine'g	*	7	7½
Lehigh Industries & Investing	10c	10¼	11¼
Lehigh Press Inc	*	10¾	11½
Lel Inc	20c	2⅜	2¾
Leland Publishing Ltd	*	5⅛	5⅝
Lemke (B L) & Co	50c	1	1⅜
Lena Horne Beauty Products	1c	3c	5c
Lenahan Aluminum Window Corp	50c	3	3¼
Lence Lanes Inc	1	9c	15c
Lenox Inc	2.50	15½	15⅞
Leon Ld & Cattle	10c	⅞	1⅛
Leonard Oil Devel	25	8c	13c
Leslie (Joyce)	10c	1	1½
Lesser (Louis) Enterprises class A com Now listed ASE			
Lester Engineering	1	8	8½
Lestoil Products Inc—Common	50c	3	3¼
Class A	*	11½	12½
Units		14	--
Levingston Shipb'ldg	6	5¼	6
Levitt and Sons Inc Now listed ASE			
Lewis Business Forms	1	15¼	16½
Lewis Welding & Engineering Corp	1	3	5
Lewis Wharf Co—Ex distribution		2	--
Lewisohn Copper	10c	⅛	⅜
Lexington Ave & 42nd Street Corp cl D	1c	19	22
Ley (Fred) T & Co	1	4½	--
Lido Corp	10c	1⅞	2¼
Lightcraft-General	1	9⅞	10⅛
Li'L Gen stores	1	2⅜	2⅝
Lilly (Eli) & Co cl B	5	90	93¼
Lily Lynn Inc—Class A com	1	8½	9¼
Limestone Products Corp of America	*	90	110
Lincoln Stores	5	¾	1½
Lindberg Steel Treating class A	5	18¼	19
Lindly & Co Inc	10c	½	¾
Lindy Hydrothermal Products Inc	10c	5	5½
Ling-Temco-Vought Inc $30 warrants		3¾	4¼
$40 warrants		2½	3
4½% pfd A	30	20	22
Lion Match Co	*	3½	4½
Lipe-Rollway Corp	1	13	14⅜
Liquidometer Corp	1	5⅞	6⅜
Litecraft Indus	1	3¼	3¾
Warrants		⅝	1
Lite-Vent Indus	1	¼	¾
Lithoid Inc	10c	2⅜	2⅞
Lithonia Lighting Now listed ASE			
Little (J J) & Ives	50c	⅞	1⅛
Little Ruffy Togs	1c	2½	2⅞
Littlefield Adams	1	1⅜	1¾
Littlefuse Inc	2.50	10⅛	10½
Living Aluminum	1	4¾	5¼
L N C Corp	1	8⅛	8¾
Lobitos Oilfields Ltd—Amer deposits rcts		7	7¾
Loblaw Inc	1	8⅛	8⅞
Lock Thread Corp	10c	⅛	¼
Lockhart Corp	1	13	13½
Lodding Engineering	1	5	5½
Loft Candy Corp	1	2⅞	3⅜
Lomart Perfected Devices Inc	50c	5¼	5¾
London Terrace Inc—Class A	1	23	--
Londontown Mfg	1	27¾	28½
Lone Star Brewing	1	38¼	39¾
Lone Star Steel Co	1	8	8⅝
Longchamps Inc	1	4	5
Long Island Plastics	10c	1/16	3/16
Longhorn Portland Cement Co	1.25	22	24
Long-Lok Corp	*	8¾	9¼
Long Mile Rubber	1	a15½	16
Longs Drug Stores	2	23¾	25⅜
Longview Fibre	7.50	83	86
Lortogs Inc	1	1⅞	2¼
Los Angeles Drug	*	14	15⅛
Louisiana-Delta Offshore Corp	2c	1¾	2
Louisiana State Rice Milling	10	n25	--
Lowell Toy Mfg	50c	2¼	3
Lowe's Cos Inc	1	11⅝	12¾
Lucks Inc	*	8	8¼
Lucky Lager Brewing	1	15½	17¼
Lucky Stores Inc	1.25	19½	20¾
Ludlow Corp	*	49½	53⅛
Ludlow Typograph	10	13½	14¼
Ludwig Engineering and Science	*	2⅝	3
Luminator Harrison	1	6¼	7¼
Lum's Inc class A	10c	¼	½
Lunn Laminates	25c	⅜	⅝
Lusk (The) Corp	1	1½	2
Warrants		½	¾
Lynch Communication System Inc com	1	9¼	10
$8.50 warrants		3	5
Lyntex Corp	25c	1	1½
Lyon Metal Prod	2½	23	24
Lytle Corp	*	⅛	⅜
M & D Store Fixture	1	6	7⅛
M S I Electronics	3c	¼	⅝
Macco Corp	1	12⅝	13⅜
Macco Realty Co	1	12⅝	13
MacDonald (E F)	1	8⅝	9⅛
Machine Bull "ADRS"		70½	72½
Mack Shirt Corp Class A com	*	12	12½
Mack Trucks Inc—1959 warrants		6¾	7½
1961 warrants		11¼	12¼
MacWhyte Company	10	29½	31
Madway Main Line Homes, Inc	1	13	14
Magazyn Byenkorf Amer deposit rcts		23	24
Magic Fingers	10c	5½	6¼
Magma Power	10c	1⅜	1⅞
Magna Pictures Corp	5c	2¼	2½
Warrants		1⅛	1⅝
Magna Pipe Line Co Ltd com	*	6¼	6⅝
Units		6⅞	7¼
Warrants		2	2¼
Magnasync Corp	1	¾	1¼
Magnefax Corp	*	2¼	2¾
Magnetic Metals	1	8	8½
Magnetics Inc	1	3⅝	4¼
Magnin (Joseph) Co	1	36	37
Mahon (R C) Co	5	10¾	11½
Majestic Penn State	*	⅞	1⅛
Major League Bowling & Recreation Inc	1	½	¾
Major Pool Equipment Corp	10c	2¼	2¾
Major Realty Corp	1c	23c	28c
Mallinckrodt Chemical Works cl A com	10	42½	43½
4¼% convertible pfd series C	50	47	--
Malone & Hyde Inc	1	18⅝	19⅛
Management Assistance	10c	11	12
Mandrell Industries	*	12⅛	12⅝
Manischewitz (B) Co	*	29	33
Mannesmann (A G)—Amer deposit rcts		25½	26½
Manpower Inc	66⅔c	21	21¾
Mann Research Laboratories Inc	50c	1⅜	1¾
Maradel Prods Inc	1	16¼	17½
Marcon Electronics	1	1½	2¼
Maremont Corp—6% preferred	100	96½	100
Marine Petroleum Tr—Units of interest		6⅞	7⅛
Marine View Electronics Inc	10c	⅞	1⅛
Market Basket	50c	a26	27¾
$1 preferred	15	a17	--
Markite Co	25c	7¾	8½
Marley (The) Co	2	20¼	20¾
Marmac Industries	10c	2	2½
Marmon Herrington	1	9¾	11
Marquette Corp	1	3½	4⅛
Marrud Inc	2	10⅜	11¼
Marsan Industries—Class A common	10c	⅛	⅜
Marsh & McLennan	*	35⅝	37¾
Marsh Steel Corp	1	4	4¾
Marsh Supermarkets	*	14	15⅛
Marshall Electronics	1c	1⅛	1½
Marshall Industires	1	2⅞	3½
Martin Yale Business Machines "units"		2¼	2¾
Martinall Indus	1¼	11	11¾
Maryland Shipbuilding & Drydock—Common	50c	15¾	17½
4½% preferred	100	100	--
Mastan Co	1	11⅛	11⅝
Mass Protective Assn	5	117	120
Mastercraft Medical & Industrial Corp	10c	n1¼	1½
Mastic Corp	1	7¾	8½
Mastro Industries	10c	1	1¼
Mathes (Curtis) Mfg	1	46½	47½
Matheson Co Inc	1	17½	19⅞
Mathews Conveyor	1	19	--
Mathias (A L) Co	*	3¼	3½
Mattell Inc	1	46½	47
Matthiessen & Hegler Zinc Co	20	15½	17
Maul Bros Inc	25c	5½	6
Maust Coal & Coke	1	15	15⅜
Maxam Inc	1	4	4⅝
Maxson Electronics	3	6⅜	7¼
Maxwell Indus	10c	9⅜	9⅞
Mayer (Oscar) & Co	10	39½	42¾
Mayfair Industries	1	1⅝	2⅛
Mayfair Markets	1	9¾	10¾
Mayfair Super Mkts	1	⅝	⅞
Mayfield Engnerng	10c	1½	1¾
McCandless Corp	*	2¼	3
McCloud Riv Lumb	25	110	--
McCord Corporation—$2.50 preferred	50	47½	--
McCormick & Co	*	31	32½
McDonough Co com	*	30	--
5% preferred	25	20	--
McGill Mfg Co	50	21	--
McGowen Glass Fib	1c	1⅞	2⅛
McGraw (F H) & Co	2	⅞	1⅜
McGraw-Hill Publshng Class A	1	22½	23½
McLean Industries—Class A	1c	3⅞	4⅛
$3 preferred	5	44½	45½
McLouth Steel Corp	2½	42½	44⅞
McQuay Inc	1	15¼	17
Mecanair Inc	*	⅛	½
Mechanex Corp	50c	3½	3¾
Mechanical Handling Systems Inc	1	3⅞	4⅝
Medallion Pictures	50c	8¾	9¾
Medex Inc	1c	¼	⅜
Medford Corp	2	52	55
Medtronics Inc	10c	3½	3¾
Megadyne Elect'nics	10c	--	¼
Melpar Inc	1	11¼	12¼
Melville Shoe Corp—4¾% pfd A	100	95	--
Merchants Acceptance Class A common	*	38½	40
Merchants Fast Motor Lines	1	22⅞	23⅜
Mercury Photo—Class A	10c	1½	1⅞
Meredith Publishing	5	24¼	26¼
Meridian Electron's	10c	1⅛	1½
Merry Bros Brick & Tile Co	2.50	6¼	7¼
Mersick Industries—Class A common	1	2⅝	2⅞
Mertronics Inc	10c	¾	1
Messenger Corp	1	13½	--
Met Food Corp	1	1¾	2
Met Sports Centers	1	2⅛	2⅜
Metal Bellows	*	2⅞	3⅜
Metalcraft Inc	10c	⅝	⅞
Metalfab Inc	1	5½	5⅞
Metal Goods Corp	3.75	13	14½
Metal Hydrides Inc	5	9¾	10¾
Metal Marking Industries Inc	25c	n1¼	1½
Metalphoto Corp	1c	1⅞	2¼
Metallurgical Inter'l Class A	10c	⅝	13/16
Metallurgical Resources Common	1c	20c	30c
Metatronics Mfg	5c	¾	1
Metcom Inc	50c	2¾	3⅜
Metro Inc common	1	--	4
7% preferred	10	--	10
Metropolis Bowling Centers Inc Name changed to Met Sports Centers			
Metropolitan Playhouse Class B	*	17	21
Metro-Tel Corp	10c	7/16	9/16
Mexican Eagle Oil—Ordinary	*	62c	70c
Meyer (Fred) Inc—Class A common	*	11¾	12⅝
Meyer (George J) Mfg Co	5	36½	37¼
Meyercord Co	5	9	10
Miami Data Processing Center, Inc	10c	3⅛	3⅝
Miami Tile & Terrazzo	1	⅛	½
Miami Window Corp—Common	50c	½	¾
70c conv preferred	8	2¼	2¾
Michaels (J) Inc	1	5¼	5¾
Michelin Rubber & Tire		213	--
Michigan Bakeries	1	2¾	3¼
5½% conv pfd	20	17	19
Mich Seamless Tube	5	17¼	18
Microdot Inc	*	7¾	8¼
Micro Metals	10c	2c	10c
Micro Precision	20c	½	⅝
Microsonics Inc	*	¾	1½
Microton Industries	10c	45c	50c
Microwave Electron	10c	7¾	8⅝
Mid-State Raceway	1	7½	9
Midas-International—Class A common	1	12⅛	12½
Midwest Rubber Reclaiming com	2.50	15¾	16½
4½% preferred	50	45	--
Midwest Technical Development Corp	1	1¼	1½
Miehle-Goss-Dexter Inc	7.50	37¾	38¼
Mile High Kennel Club (Colo) cl A	1	4	4⅜
Miles-Samuelson	1	1	1½
Milgo Electronics	1	8	8½
Milgray Electronics	25c	4⅜	4¾
Miller Bros Hat	1	10⅛	11⅛
Miller Mfg Co	1	7½	8½
Miller & Rhoades—Common	20	30	--
4.75% preferred	100	96	--
Millipore Filter	1	33½	35
Milton Bradley Co	1	14¾	15⅛
Mine Safety Appli	10	65	70
Miner Industries	1c	2¼	2⅝
Minerals Engineering	1	⅜	⅝
Miniature Precision Bearing class A	2	4¾	5¼
Minitone Elect'nics	10c	⅛	¼
Minitronics class A	20c	⅛	--
Miracle Mart Inc	1	3⅛	3½
Miss Elliette Inc	50c	1¾	2
Miss Pat (Cal)	*	6¼	7⅛
Missile Components	*	⅜	¾
Missile Sites Inc	25c	1½	1¾
Missile Systems	10c	2¾	3⅜
Missile-Tronics	10c	¼	⅝
Mississippi Glass Co	10	22	23½
Mississippi River Transmission Corp	1	12¼	13

*Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Mississippi Valley Barge Line Co	1	14¼	15¼
Missouri Research Laboratories Inc	10c	1¾	2
M I T E Corporation	1	4½	4⅞
Mitron Research & Developm t Corp	10c	2⅜	2¾
Mitsui & Co Ltd Amer deposit rcts		11⅜	11⅞
Ex rights		8½	9
Mobilife Corp	50c	2¼	2⅝
Model Engineering & Mfg Corp	*	8	8¾
Model Vending Inc	1	1⅛	1⅜
Modern Homes Const	*	4⅛	4¾
Modern Materials	1	5½	6¼
Mohawk Electronics	40c	20c	29c
Mohawk Liqueur	1	14	16
Mohawk Rubber Co	1	24½	25½
Mohican Corp	1	3/16	⅜
Moki Oil & Rare Metals Co	5c	55c	65c
Molecular Systems	1c	2	2¾
Moloney Electric A	*	22	26
Monarch Electronics International	1	⅜	¾
Monarch Marking System (shares split 2 for 1)		27¼	28¼
Monmouth Electric	25c	1⅞	2⅛
Monmouth Park Jockey Club common vtc	1c	12¾	13⅞
Monroe Auto Equip	1	16¼	16¾
Montecatini Mining & Chemical Co— Italy (£1,000)		3¼	3¾
Montgomery (H A)	5	8½	--
Moog Servocontrols	1	11	12
Moore (E R) Co	*	11¼	12⅛
Moore Drop Forging	1	14½	16¼
4¾% preferred	50	40	--
Moore-Handley Inc	1	10⅛	11
Moore Products Co	1	19¾	21½
Morgan Engineering	1	12½	13¼
Morningstar-Paisley	1	8	8⅞
Morrison Cafeterias Consolidated com	*	28	29
7% preferred	100	104	--
Morrison-Knudsen	10	30¾	31¼
Morse Shoe Inc	1	7¾	8½
Morton Foods	1.50	7⅞	8¼
Morton Mfg Corp	1	24½	26¾
Mosinee Paper Mills	10	35	37
Mosler Safe Co	1	17⅝	18⅝
Motec Indus	1	19⅜	20¾
Mother's Cookie	*	5¾	6⅝
Motor Coils Mfg	50c	1⅛	1½
Motor Mart Garage	1	5	--
Motor Parts Industries Class A	10c	2⅜	2¾
Mountain Electron	50c	2⅛	2½
Mt Isa Mines Ltd— Amer deposit rcts		9⅛	9⅞
Moxie Co	*	35c	43c
Multi-Amp Electron	10c	1¾	2
Multnomah Co	*	5¼	5¾
Multnomah Kennel Club class A	1	4⅜	4¾
Murray Co of Texas Inc	2.50	31	34
Music Fair Enterprises Inc	50c	5¼	5⅞
M V T Industries	1	2¾	3¼
Myers Emporium (Australia) ord 5s		4⅛	--
Amer dep rcts		21	22
Nalco Chemical	1.25	55	58¼
Nalley's Inc	62½c	8⅜	9¼
Narda Microwave	10c	2	2¼
Narrow Fabric Co	1	8⅞	9¼
Nashua Corp— Class A	1.66⅔	23	25
Nat'l Aeronautical	1	12¾	13¼
Nat'l Alfalfa Dehydratg & Milling 5% pfd	50	45½	--
National Bagasse Products class A	1	3⅜	3⅝
Warrants		1½	1¾
National Chem & Mfg	1	14	15
National Cleaning Contractors Inc	1	15¾	17¾
Nat'l Cleveland Corp	1	1¼	1⅝
National Equipment Rental Ltd "wts"		4	--
National Food Marketers Inc	1c	1	1½
Nat'l Food Products	1	17	17¾
Nat'l Gas & Oil Corp	5	21¼	23
Nat'l General Corp— Warrants		67c	73c
Nat'l Growth Corp	25c	25c	35c
National Homes Corp— Class A	50c	5⅛	5¾
Class B	50c	5⅛	5¾
National Hospital Supply Co Inc	10c	¼	½
National Instrument Laboratories	10c	1/16	1⅛
Nat'l Licorice com	100	230	260
6% preferred	100	105	110
Nat'l Mercantile	10c	1⅜	1¾
National Musitime	1c	5c	25c
Nat'l Nu-Grape Co	*	2⅜	--
National Patent Development Corp	1c	6⅛	7
Nat'l Periodical Publications	1	8⅜	9⅛
Nat'l Pool Equipment	1	1¼	1½
Nat'l Propane Corp— Common	1	16½	17⅝
5% conv 2nd pfd	25	43½	--
National Resources	*	1¼	1½
Nat'l Screw & Mfg	1	35	36
Nat'l Shoes Inc	1	6	7
National Tank Co	1	18	18½
Nat'l Tel-tronics	10c	5/8	⅞
Nat'l Telepik	1c	2½	3
Nat'l Terminals Corp	5	17	18
Nat'l Work-Clothes Rental	50c	7¼	8
Nationwide Homes	50c	1¼	1¾
Natpac Inc	10c	3½	4
Naturizer Co Class A com	20c	1⅛	1⅜
Navajo Freight Lines	1	8¼	9
Navigation Computer	*	5	6
Nazareth Cement	10	10½	12
Neb Consol Mills	10	29	--
Neiman-Marcus	2	15	15¾
4¼% preferred	100	91	--
Nekoosa-Edwards Paper Co	10	18¾	20¼
Neptune Meter $2.40 preferred	50	48	--
Nesbitt (John J)	50c	13¼	14¼
Networks Electr'ics	50c	3	3¼
Neuhoff Bros Pk'g	10	27	29
Newark Electronics— Class A	2	4	4½
New Britain Mach	10	22	22¾
New England Fish— Common Class B	*	150	--
Preferred	100	80	--
New Eng Laundries	*	8	13
New Hampshire Ball Bearings	2	9⅛	10⅛
New Hampshire Jockey Club vtc	*	38	41
New Haven Board & Carton	10	3⅞	4⅜
New Jersey Alumin Extrusion class A	1	3¼	3⅝
New Jersey Realty	1	16¼	17¼
New Medical Techniques Inc	*	½	⅝
New York Airways	1	7⅛	7⅝
N Y Fruit Auction Class A	*	n40	45
N Y Merchandise	10	20	--
N Y Trap Rock	*	12⅞	13⅞
New Yorker Mag	10	94	98
Nicholson File	1	25¼	27¼
Nickel Rim Mines Ltd	1	12c	17c
Nielsen (A C)	1	50¼	53⅛
Nissen Trampoline	1	3¾	4¼
Nitrogen Oil Well Service Co	25	n26	--
Nixon-Baldwin Chemicals Inc	10c	4½	5¼
No-Sag Spring Co	2	17½	--
Nopco Chemical 4% pfd series A	100	n83	--
Noranda Mines Ltd	*	33¾	34½
Noranda Oil Corp	1	¼	⅜
Nord Business Machines Corp	10c	1⅛	1½
Nortex Oil & Gas	1	3⅛	3¾
$1.20 conv pfd	1	12½	13½
North & Judd Mfg	12½	16½	18
North American Contracting Corp	10c	⅛	3/16
North American Refractories Co	10	13	13¾
North American Van Lines Inc	*	24	24½
North Amer Vending Mfg Corp	10c	¾	1¼
North Central Airlines Inc	20c	5	5½
North Central Co	1	9¾	10¾
North European Oil	1	95c	1.10
North Hills Electric	1c	⅞	1⅛
North Star Oil	10c	¼	⅜
Northern Chemical Industries class B	*	2½	3¼
North'n Engin'g Wks	1	8	--
Northern Instrument	1c	⅝	1
Northwest Engineering Co class A	*	35½	36½
Northwest Nitro Chemicals Ltd	1c	1½	1⅝
Northwest Paper Co	5	32	33½
Northwest Plastics	2.50	6¾	7½
Northwest Production	1	1⅜	1⅝
Northwestern Glass	5	19	20⅜
Northwestern States Portland Cem't Co	*	45½	47½
Norwalk Company	1	3¼	3¾
Noxzema Chemical Class B common	1	88	92
Nuclear-Chicago Corp	1	12½	13⅝
Nuclear Data Inc	*	12⅝	13
Nuclear Materials & Equipment Corp	*	37	40
Nu-Era Corp	*	2/16	¾
Nucleonic Corp of America	10c	⅜	¾
Nunn Bush Shoe	2.50	19¾	--
NuTone Inc	1	21	22½
Nytronics Inc	1	5⅝	6⅜
O K Rubber Welders	10	5¾	6¼
Oakland Consol Corp	*	¼	⅜
Obear-Nester Glass	*	21	22¾
Oberman Mfg com	1	2⅛	2¾
5% conv pfd	10	7	--
Ocean Drilling & Exploration Co	1	18¾	20⅛
Ocean Products	5	6	--
Ocean-Spray Cranberries Inc— Common	25	11	--
4% preferred	25	14½	--
Oceanarium Inc	1	10	11¼
Oceanic Instruments	1c	3c	8c
Oceanics Inc	10c	1⅝	2
Official Films Inc	10c	1/16	1 1/16
Oglebay Norton Co	1	21	21¾
Ohio Crankshaft	15	22	23
Ohio Leather Co	5	14	15
Oilgear Co	6.25	26½	29⅜
Oil Inc (Nev)	1	1⅝	1⅞
Oil Recovery Corp	1c	2⅞	3⅜
Oil Shale Corp	15c	3¼	3⅝
Oklahoma Cement	25c	12½	13
Okla Miss River Products Line Inc	1c	6⅞	7½
Old Ben Coal Corp	5	36	38⅜
Old Empire Inc	10c	⅜	¾
Oliver Tyrone Corp	10	20½	--
Olivetti— Adrs for pref shares		5	5½
Olson Brothers	1	1⅛	1⅜
One-Hour Valet	1	1⅝	2
Onego Corp	1	⅛	⅜
Oneida Ltd com	12½	20	22
6% preferred	25	25	27
Onondaga Pottery	*	43½	45
Onyx Chemical Corp	*	26½	28¾
Orbit Instrument	10c	1¾	2⅛
Ore-Ida Foods Inc	*	7	7½
Oregon Metallurgical	1	1	1¼
Oregon Portland Cem— Class A common	*	19⅛	19¾
Originala, Inc	10c	6¼	7⅛
Orkin Exterminating	*	21⅛	22⅝
Ormont Drug & Chemical Co	3	1⅝	2
Ortronix Inc	10c	2½	2¾
Osborn Mfg Co	5	27½	28¼
Osrow Products	10c	2¾	3½
O'Sullivan Rubber— 5% preferred	20	15	15½
Otarion Electron	10c	n⅛	⅜
Outdoor Developmt	15c	⅝	1
Ovitron Corp	1c	2¾	3⅛
Oxford Chemical— Class A common	25c	6	6¾
Oxy-Catalyst	*	9½	10½
Ozon Products	50c	14⅝	16⅝
Oz Publishing Corp	20c	5/16	½
Ozark Air Lines	*	3⅝	3⅞
Ozite Corp	5	18	18¾
P & C Food Markets	5	13	--
PEC Israel Economic Corp	25	17½	17⅞
P & F Industries	20c	2½	2⅞
P-G Products Mfg	50c	2⅝	3⅛
P & H Tube Corp	1	2⅜	2⅞
Warrants		30c	50c
Pabst Brewing Co	*	21¼	22½
Pacific Air Lines	50c	3½	3⅞
Pac Airmotive Corp		2¾	3⅜
Pacific Automation Products Inc	1	25c	--
Pacific Car & Fdy	20	92	95
Pacific Far East Line Common	5	15¾	16¾
5¼% conv 1st pfd	25	21	--
Pacific Gamble Robinson	5	12¾	13⅞
Pacific Mercury Electronics cl A	50c	7¾	8⅝
Pacific Nutrient & Chemical Co	10c	1	1⅜
Pacific Outdoor Adv	5	9¾	11
Pacific Southwest Airlines	*	31⅛	33
Pacific Vegetable Oil Corp	5	15	16¼
Package Machinery	10	12¼	13
Packard Instrument	*	11½	12⅞
Pak-Well Paper Industries class A	*	10⅝	11
Pakco Cos Inc	1c	3¼	3¾
Pako Corporation	2.50	14⅝	15⅛
Palace Corp	1	33c	43c
Palm Developers Ltd— Ordinary	1s	¾	1
Palomar Mortgage	1	5⅝	6⅛
Pan-Alaska Fisheries	50c	1¼	1¾
Panacolor Inc	20c	5⅜	5¾
Pan Amer Resources	5c	3⅛	3⅝
Panoil Co	10c	24c	29c
Pantepec Oil Co— American shares		19c	25c
Pantex Mfg Co— Common	12½c	2c	7c
Papert, Koenig, Lois— Class A	30c	8¼	8¾
Para Industries	10c	½	1
Paradynamics Inc	1c	2⅛	2½
Paramount Foam Industries	10c	1⅛	1½
Paramount Motors	1	50	--
Pargas Inc	1	17⅛	17½
Park Lexington	10	175	190
Parker (A-J) Co	*	1⅜	1⅞
Parker-Hannifin	*	27½	29
Parker Petroleum— Common	10c	¼	⅝
Parkview Drugs	1	12¾	13¼
Paterson Parchment Paper Co	10	12⅜	13⅜
Pathe Equip cl A	75c	5	5½
Patino Mines & Enterprises Cons— American shares	1	3	--
Patrician Paper Co	10c	3½	4
Patterson (M F) Dental Supply Co of Del	*	7⅝	8⅛
Pauley Petroleum	1	13½	14½
Paulsboro Chemical Industries com	1	½	1
6% ser A pfd	5	⅞	1¼
Pavelle Corp	10c	3	3¼
Pearce Simpson Inc	50c	¾	1⅛
Pearl Brewing	1	25	26½
Pearson Corp	25c	2	3
Pechiney Co	5000f	39	40
Peerless Tube Co	2	9⅛	10⅛
Pell Pharmaceut's	5c	n½	⅞
Pend Oreille Mines & Metals Co	1	1.60	1.80
Penguin Books Ltd— Ordinary 4s	*	1.90	2.05
Penn-Akron Corp	5c	½	⅝
Penn Anthracite Collieries units		9	13
Penn Controls	2.50	25¾	28
Penn Dairies class A	5	3½	4
Penn Engin'ing Corp	*	12½	14
Pennsyl Industrial Chemical Corp	10	40	--
Penobscot Chemical Fibre Co	1	8⅞	9⅞
Pepsi-Cola Bottling Co of Wash D C	10c	4¼	5
Pepsi-Cola General Bottlers Inc	1	12½	12⅞
Pepsi-Cola United Bottlers Inc	1	5¾	6⅜
Perfect Fit Industries class A	10c	⅝	⅞
Perfect-Line Mfg	10c	⅝	⅞
Perini Corporation	1	3⅝	4⅛
Perini Electronics	1	2½	3
Permanent Filter	*	1⅝	1⅞
Permeator Corp	10c	14	14¾
Perrine Industries— Class A common	1	⅜	⅝
Personal Property Leasing Co	1	7⅜	8⅛
Peter Paul Inc	*	32¼	32¾
Peterson Electronic Die Co Inc	20c	1¾	2⅛
Peterson, Howell & Heather class A	*	29	30½
Petroleum Explor	10	68	72
Petrolite Corp	*	27¾	28¼
Pettibone Mulliken	20	24	26¼
Pextile Corp of Amer	1	n¾	1
Phila Bourse	50	53	--
Philadelphia Labs	*	3½	4

* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend y Ex-stock dividend.

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INDUSTRIAL AND MISCELLANEOUS STOCKS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks— Par	Bid	Ask
Philips Gloeilampen Fabrieken N Y shares (25 florins)_	43½	44
Photographic Assistance Corp__20c	3/16	5/16
Photo-Marker Corp_50c	3⅜	3⅞
Photon Inc _____1	9⅞	10¾
Photronics Corp___10c	1/16	⅞
Physio-Chem Corp__1c	n⅜	¾
Pickering Lumber__3.75	8⅝	9½
Pickwick Internat'l__1c	5⅛	5½
Pickwick Organiz__10c	2⅝	3
Pictorial Product'ns 20c	1⅝	2
Piedmont Aviation___*	3¾	4
Pierce & Stevens Chemical Corp_____2	10¾	12
Pinnacle Explorat'n 10c	1⅛	1⅜
Pioneer Aerodynamics Systems _____10c	3½	3⅞
Pioneer Astro Industris Inc_____*	2	2¼
Pioneer Metals_____10c	4¾	5¼
Pioneer Texas Corp____	2	2⅝
Pir-O-Wood Indus__10c	2	--
Pirelli Co of Italy— Amer dep rcts_____	8⅛	8⅝
Pittsburgh Reflector— Class B _____5	7⅜	--
6% conv pfd A___10	12¾	--
Pittsburgh Standard Conduit Co_____5	4¾	5¼
Placer Development__*	23	24
Plastic Applicators___1	2⅜	2¾
Plastic Wire & Cable_5	20	21
Plasticrete Corp_____1	7⅞	8¼
Plastiline Inc_____10c	1¼	1¾
Plastoid Corp of America _____1c	1⅛	1¼
Plated Wires & Elec_10c	1¾	2¼
Platt Corp cl A____50c	5/16	½
Playskool Mfg Co_____1	14¾	16¼
Plymouth Cordage___25	80	84½
Plymouth Rubber com 5	a6	7
Class B_____5	5½	6¼
PneumoDynamics ____1	10⅜	11¼
Pocket Books Inc__50c	5	5⅝
Polaroid Corp 5% 1st preferred__50	a--	--
$2.50 2nd preferred_5	a--	--
Poly Repro Int'l Ltd_5c	2¾	3½
Poly-Seal Corp____10c	⅝	⅞
Polymetric Devices_10c	2	2⅜
Polytronics Labs— Class A _____10c	1¼	1½
Pope & Talbot com___5	23¼	23¾
6% preferred _____5	4⅞	--
Popell (L F) Co____10c	1⅜	1¾
Popular Library_____1	2⅜	2¾
Porce-Alume Co____10c	n--	⅝
Porce-Cote Research & Dev class A___10c	¾	1¼
Port Huron Sulphite & Paper Co_____1	77	78
Portable Elec Tools__1	9	10¼
Porter (H K) Co (Del) Common _____1	33	34
4¼% preferred__100	97	--
Potash Co of Amer___5	23½	25⅛
Potlatch Forests_____1	32½	34
Potter Instrument__25c	6¾	7½
Power Designs_____10c	1	1¼
Power Indus Prod— Class A com_____10c	3⅛	3⅜
Precision Apparatus _1	½	⅞
Precision Automotive Components Co____1	5¾	6½
Precision Instruments_*	9½	10¼
Precision Special___10c	¼	¾
Precis Transformer_20c	9c	13c
Preco Industries_____5c	⅜	¾
Premier Albums____25c	6½	7
Premier Corp of America _____10c	1⅝	1⅞
Premier Industrial___1	17	18¼
Premier Microwave___1	2½	3
President Brand Gold Mg "ADRS"_5s	12	12½
President Steyn Gold Mining Co Ltd____5c	2⅞	3⅜
Prevor-Mayrsohn___10c	1⅜	--
Preway Inc_____5	4	4⅝
Pr nex Equities Corp— Class A _____10c	8¾	10
Prince Gardner_____10	22	24
Printing Corp of America _____1	10¾	11¾
Procter & Gamble Co— 8% preferred____100	180½	190
Producers Cotton Oil Co _____1	14⅞	15¼
Producing Properties Common _____10c	6 13/16	6 15/16
6% preferred_____25	29¼	--
Products Research___2	7⅜	8⅛
Professional Golf___50c	8⅝	9½
Progress Webster Electronics Corp___1	2¾	3⅛
Progressitron Corp_10c	⅝	1
Prom Motor Hotel— Class A _____*	9⅞	10⅛
Prosper-Way Inc __10c	--	½
Prufcoat Labs Inc_____1	11½	12¼
Pubco Petroleum_____1	8¼	8½
Publishers Co_____40c	3⅞	4½
Pueblo Supermarkets Class A common___*	35½	36½
Puerto Rico Brewing_*	5⅛	5½
Punta Alegre Sugar__1	11⅜	12¼
Purepac Corp_____5c	¾	1
Purex Corp Ltd_____1	27	28⅝
Puritan Fashions_____1	8½	8⅞
Purity Stores Ltd____1	14	15
Pyle National 8% preferred ___100	123	--
Pyroil Co Inc_____1	6	6¾
Pyrometer Co of America _____50c	⅛	⅜
Q-Line Instrument _1c	3½	5
Quik-Chek Electronics & Photo Corp_____1	3⅞	4¼
Quincy Market Cold Storage & Whse___50	53½	56
Quinta Corp _____5c	1.35	1.40
R C Can Company____1	31¾	32½
Rabin-Winters Corp __*	n1⅝	2
Radar Design _____1	1⅛	1⅜
Radiant Lamp Corp— Class A_____10c	2⅝	3
Radiation Dynamics__1	36	39⅛
Radio Frequency _____1	1⅜	1¾
Radio Shack Corp____1	1¾	2⅛
Ragen Precision Industries Inc ___25c	3	3½
Rainbow Photo Industries, Inc __25c	1¼	1⅝
Rajac Industries____10c	⅞	1⅛
Ram Tool Corp__3⅓c	1¾	2
Ramada Inns Inc__10c	7⅞	8⅛
Ramcor Inc _____1	1¼	1⅝
Ranchers Exploration & Develop_____10c	4	4½
Rand Development___5c	4	4¾
Randall Graphite Bearings Inc_____1	n3	4
Rank Organization "A" Amer dep rcts__	6⅜	6⅝
Ranney Refriger___2.50	2½	3½
Rantec Corp_____*	a12¼	13⅜
RAP Industries _____1	4	4½
Rapid Film Technique Inc____10c	9/16	--
Rare Metals Corp of America _____1	⅞	1⅛
Raritan Plastics Class A com ____10c	1⅜	1⅝
Raychem Corp _____*	27¼	28
Raymond Engineering Laboratory Inc_____1	4	4½
Reading & Bates Offshore Drilling— Common _____20c	4½	4¾
Class A conv_____*	20¼	22
Realsite Inc _____10c	4c	14c
Realtone Electr'nics 10c	2	2¼
Reardon Co_____1	7	--
Record Vend Mach_10c	55c	70c
Red Kap Inc_____5	18¼	18⅝
Redman Mfg & Engineering _____1	3¼	3⅝
Red-O-Lier Corp— Class A com_____10c	6¼	7
Red Rope Stationery Industries _____10c	1⅞	2⅛
Redwing Carriers __1.25	12⅞	13⅜
Reece Corp_____	31½	32½
Regal-Meadows ____25c	1¼	1⅝
Rego Industries ___10c	n1	1⅜
Reheis Co class A___1	13	14⅜
Reher Simmons Research Inc _____*	3¼	3¾
Rek-O-Kut Co Inc__25c	1/16	3/16
Remco Industries __50c	8⅜	9¼
Remington Corp_____1	1½	1⅞
Renaire Foods Inc___1	1¾	2¼
Renmar Corp _____50c	n⅝	⅞
Renner Inc _____50c	⅛	--
Renwell Industries__1c	36½	38
Reon Resistor_____1c	⅛	⅜
Republic Electronics Industries_____10c	¼	½
Republic Graphics__10c	¼	¾
Republic Supply Co of Calif_____10	10	11¼
Rese Engineering_____1	1/16	5/16
Research Specialties__1	9½	10½
Reser's Fine Foods__25c	3/16	⅜
Resiflex Laboratory___1	10½	11¼
Resistance Welder____1	1¾	2⅛
Resisto Chemical ____*	7/16	9/16
Resitron Labs Ltd__25c	7/16	⅝
Resource Ventures____1	3c	7c
Revere Racing Assn__*	8¼	9
Rexach Construction__1	9⅛	9⅝
Reynolds & Reynolds— Class A common__10	4¼	4⅜
Rhine Westphalia Electric Pow "Adrs"..	74½	76
Rhodes (M H) Inc___1	1½	2
Rhodesia Broken Hill Develop Co Ltd— English shares _____	½	⅝
Rhodesian Anglo-Amer Amer deposit rcts___	8½	9
Rich Ice Cream Co___*	40	--
Richards Aircraft Supply Co _____10c	¾	1
Richardson Co___12.50	28	29⅞
Richmond Cedar Works _____1.25	5½	6½
Richmond Homes____1	4¾	5¼
Rich's Inc com_____*	39	39¾
3¾% preferred__100	90	--
Riddle Airlines_____10c	32c	36c
Ridge Tool class A___*	32¾	35¼
Riegel Textile Corp— Common _____5	22½	24
$4 pfd series A____*	83	87
Rieke Metal Prod____5	30½	--
Riley-Stoker Corp____3	33	35½
Rimrock Tidelands_80c	3¾	4⅛
Rio Tinto Co Ltd— Ordinary _____10s	n3.35	3.55
Ripley Co Inc_____50c	7⅝	8⅛
Ripley Industries & Jomar Plastics— "Units" _____	5¼	6
River Brand Rice Mills _____3½	22¾	24⅜
Rixon Electronics__25c	2¾	3¼
Roadway Express____*	24½	26½
Roanwell Corp _____1	3	3½
Robbins & Myers____*	58	62
$1.50 partic pfd____*	25	27
Roberts & Porter_____1	8⅞	9⅜
Roberts Co (N C)____1	4⅜	4¾
Roberts Co (Calif)___1	8⅝	9⅝
Roberts Lumber __2.50	7	7¾
Robertson (H H)____1	42	44⅞
Robins (A H) Co Inc_1	35½	36.
Robins Industries __10c	⅝	1
Roblin-Seaway Industres class A_10c	1⅝	1⅞
Robosonics Inc_____25c	1	1¼
Rochester & Pittsburgh Coal common____*	30	32
5% non-cum pfd_100	57	--
Rochester Button Co_1	17	18
Rock of Ages Corp___*	16½	17
Rocket Jet Engineering Corp_75c	5⅞	6¾
Rocket Power, Inc___1	3½	3⅞
Rocket Research_____*	1⅜	1⅝
Rockower Bros_____30c	4¼	4¾
Rockwell Mfg Co__2.50	26⅞	28½
Rockwood & Co com_*	90	--
5% series A pfd_100	75	--
Rodale Electronics__50c	½	1
Roddy Recreation Products _____1	4½	5⅛
Rogers (John) Co____1	10¼	10⅝
Rondout Corp_____10c	⅜	⅝
Roper Industries_____5	17½	19⅜
Rorer (Wm H)____8½c	38⅞	39⅜
Rose Marie Reid_____1	4⅜	5
Ross Gear & Tool___10	22¼	24⅛
Rotating Components 1c	1⅜	1¾
Rothmoor Corp____40c	3¾	4
Roto American Corp_1	2⅞	3¼
Roto Cylinders_____10c	2½	3¼
Rotron Mfg Co_____5c	15	16¾
Rowan Controller__2.50	6½	7¼
Rowe Furniture Corp_1	13	14⅛
Royal Dutch Petrol— New York shs (33⅓ florins) _____	79¼	82¾
Royal Industries ____1	3⅜	3⅞
Royal Land & Dev— Class A_____10c	1	1⅛
Royal McBee Corp— 4½% pfd series__100	61	65
Rucker & Co_____*	7¾	8⅝
Rudd-Melikian _____1	3¾	4⅜
Russell Mfg Co_____*	18	20
Russell Reinforced Plastics Corp cl A__1	¼	7/16
Class B _____5c	¼	7/16
Russell Stover Candies Inc_____1	29¼	30
Rust Craft Greeting Cards Inc _____1	12⅜	12⅞
S & P Nat'l Corp— Common_____1	45c	60c
Class A_____	6	8
S. O. S. Photo-Cine-Optics _____1c	¼	7/16
Sachar Properties____10	n⅛	⅜
Saco Lowell Shops_2.50	n33	--
Sacol Inc cl A com_10c	5½	7
Safeguard Corp ____50c	1⅞	2⅛
Safran Printing ___1	14⅜	14⅞
Safticraft Corp ____10c	⅛	⅜
Safway Steel Prod____2	6¾	7½
Sagamore Mfg _____10	10	12
Sage International ___1	4¾	5¼
St Clair Specialty Manufactur'g Co_50c	5¼	5½
Saint Gobain "ADRS" Coupon shares _____	6 60	6½ 63
St John Del Rey Mining Co Ltd____£1	4	4¾
St Johnsbury Trucking 1	15¾	16¼
St Louis Shipbuilding- Federal Barge ____1	8⅛	8½
St Lou Steel Casting_5c	6⅝	7
St Paul Ammonia Products Inc____2½c	3	3½
Saladmaster Corp__50c	4	4⅝
Salant & Salant cl A_5	19½	20½
Salro Mfg Corp____10c	⅜	¾
Sampson-Miller Associated Cos_____1	3½	--
Sams (H W) & Co___1	28½	29½
San Fran & Oakland Helicopters Air__10c	10½	11½
San Jacinto Petrol ___1	5¾	6½
San Juan Racing Assn common__50c	2 7/8	2⅝
Voting trust ctfs____	2⅜	2½
Sanborn Map Co_____5	3¾	4¼
Sanders Associates— Class A common___1	37	39⅛
Sandura Co common_5c	8½	9¼
60c conv pfd_____7½	8½	9¼
Sanitary Paper Mills__*	3	4
Santa Fe Drilling_____1	19¾	21¼
Sargent & Co_____15	25½	27
Sav-A-Stop Inc_____10c	8⅛	8⅝
Savannah Sug Ref_25c	35½	36½
Savin Business Machines Corp ___10c	10¾	12
Sawhill Tubular Prod_*	12½	13⅞
Saxton Products_____1	1⅜	1⅞
Scam Instrument____*	1⅝	1⅞
Scantlin Electronics 10c	12¾	13⅞
Scenic Oils Ltd_____*	¼	⅝
Schaevitz Engineering Class A common_10c	4½	5¼
Schenuit Rubber— Class A common___*	4⅞	5¼
Scherer-Tumico Inc__2	--	2
Schield Bantam Co___5	6⅜	7
Schjeldahl (G T)_____1	9¾	10¼
Schlitz (Joseph) Brewing _____15	38	38½
Schluderberg- Kurdle_____2.50	25	27
Schmieg Industries ___1	1/16	⅞
Scholz Homes Inc____1	1⅛	1⅜
School Pictures_____2	8⅛	8⅝
Schultz Sav-O-Stores _1	4⅞	5⅜
Science Research Associates Inc _____*	25	25¾
Science Resources Name changed to Cryo-Therm Inc		
Scientific-Atlanta __50c	10	10¾
Scientific Computrs_10c	5¼	5½
Scientific-Industries_5c	1¾	2⅛
Scope Inc_____1	8¾	9¼
Scot Lad Foods Inc__1	21¾	23½
Scot's Discount Enterprises _____10c	--	7c
Scott Aviation Corp__1	7¾	8½
Scott & Fetzer_____5	28½	29
Scott, Foresman & Co *	26¼	27⅞
Scott-Mattson Farms Inc_____1	3¾	4¾
Scott (O M) & Sons— Class A common_100	9	9½
Scott & Williams_____5	13¾	14⅞
Scripps-Howard Broadcasting Corp_1	20⅝	21⅛

* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New Stock. x Ex-dividend. y Ex-stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Scripto Inc—			
Class A common	50c	7⅝	8¼
Scrivner-Stevens	10	10⅛	10⅝
Scruggs-Vandervoort			
Barney com	1.25	10¼	11½
$4.50 pfd series A	*	95	--
Seabd Electronics	10c	2½	3¼
Seaboard Homes	10c	⅛	½
Seaboard World			
Airlines "wts"		2½	2⅞
Seacrest Industries	1c	½	11/16
Sealed Air Corp	1	2¾	3¼
Sealed Power Corp	10	31¾	32½
Sea Pak Corp	1	7⅜	8¼
Searle (G D) & Co	2	133½	137¾
Seatrain Lines	4	4½	5⅛
Sea View Indus	10c	n1/16	3/16
Sea-Wide Indus	10c	⅜	¾
Security-Columbian			
Banknote Co	2	7	7⅝
See's Candy Shops	*	12¼	12¾
Seiberling Rubber			
5% preferred A	100	56	59
4½% prior pfd	100	60	--
Seismograph Service	1	22	23⅞
Sel-Rex Corp	1	10½	11¼
Selas Corp of Amer	1	5⅝	6⅛
Selmer (H & A) Inc	1	18¾	19¾
Seminole Oil & Gas	5c	1/16	⅛
Seneca Falls Mach	1	1¼	1⅝
Seneca Oil class A	50c	1¾	1⅞
Service Photo			
Industries class A	1c	3/16	5/16
Servonic Instrumts	*	10	11
Sessions Clock Co—			
Common class A	1	1⅛	1½
Seven J Stock Farm	1	1	1¼
721 Corporation	1	19	--
Seven-Up Bottling Co			
(St Louis)	1	10¾	11½
Sexton (John) & Co	*	22¾	24⅝
Shakespeare Co	5	20	20½
Shaler Co	*	16½	17½
Shatterproof Glass	50c	14¼	15⅜
Shaw-Barton Inc	2.50	9	10
Shell Oil Co of			
Canada class A	*	15¾	16⅛
Shell Transp & Tr—			
Ordinary registered		5⅞	6
Shelley Mfg Co	10c	5¾	6¼
Shenk Industries	10c	1⅝	2
Shepard Niles Crane			
& Hoist Corp	5	17½	19⅜
Sheperd Electronic			
Industries Inc	10c	¼	½
Sheraton Corp—			
$10 warrants		2¼	2½
$25 warrants		1⅜	1⅝
Sherer Gillett com	1	3½	--
Class A	*	36½	--
Sherry-Netherlands			
Trust certificates		8½	--
Shieldtron Inc	1	7/16	⅝
Shin Mitsubishi			
Amer dep rcts		21	23
Shinn Industries	10c	1	1¼
Shop Rite Foods	5	28	29⅞
Shore-Calnevar	*	1	1⅜
Shulton Inc—			
Class A common	50c	46¾	49¾
Class B common	50c	46¾	49¾
Shwayder Bros	1	47	--
Siegel (Henry I)—			
Class A	1	24½	25
Siemens & Halske			
Amer deposits rcts		70	71½
Sierra Electric Corp	1	4½	5
Sightmaster Corp	5c	6c	9c
Sigma Instruments	1	12¼	13⅞
Signode Steel Strapping			
5% preferred	50	47½	--
Silo Discount			
Centers Inc	1	2¼	2¾
Siltronics Inc	10c	n6	6½
Silver Buckle Mining			
Co	10c	27c	35c
Simmonds Precision			
Products Inc	1	4¾	5½
Simon (Wm) Brewery	1	5/8	7/8
Simon Hardware	*	2⅞	3⅛
Simplex Lock Corp	1	5¾	6½
Simplex Paper	1	9¾	10½
Simplex Wire & Cable	*	10¼	11
Simplicity Mfg Co—			
Class A common	1	23¼	24⅞
Simulatics Corp	1c	1¼	1½
Sioux City Stock			
Yards common	15	a--	--
$1.50 partic pfd	15	a--	--
Sioux Oil Co	5c	61c	65c
Sivyer Steel Castings	*	9¼	10
Siostrom Automations			
Class A	10c	1½	2
Skiatron Electronics			
& Television	10c	3⅜	3¾
Skil Corporation	2	19⅝	21⅛
Slater Electric Inc—			
Class A	20c	2⅜	2⅝
Smilen Food Stores—			
Common	1	1	1½
Units		3	4
Smith-Industries			
International Inc	*	7⅜	8⅛
Smith's Transfer			
Corp of Staunton	2.50	10½	11½
Smucker (J M) Co	*	35½	36½
Smyth Mfg Co	5	17	18½
Snap-on-Tools Corp	1	22½	24⅝
Snia Viscosa "adrs"		8¼	8⅝
Snyder Corp	1	5⅜	5¾
Solite Products	1c	⅝	⅞
Solitron Devices	5c	8⅞	9¼
Sommers Drug Stores	1	6½	7¼
50c conv preferred	5	7	--
Sonar Radio Corp	10c	3⅜	3⅞
Sonex Inc	25c	1½	2
Sonoco Products	5	38¾	40
Sonoma Quicksilver			
Mines Inc	10c	5c	10c
Sony Corporation			
Amer deposit shares		11¾	12¼
Sorg Paper Co com	5	12	13
5½% preferred	100	85	--
Soroban Engineering—			
Class A common	1	7¼	8⅜
SoundScriber Corp	4	9¼	10¼
South Chester Tube		167	--
South Shore Oil &			
Development	10c	31	34½
Southbridge Plastic			
Products class A	1	6	6¾
Southdown Inc	2.50	34½	36⅝
S'eastern Gen'l	10c	1⅛	1⅜
Southeastern Propane			
Gas Co	10c	12	13
Southern Airways	3	5⅞	6⅛
Southern Bakeries	7	3⅞	4¼
Southern Calif Petrolm			
6% conv pfd	25	25	--
Southern Chemical			
Cotton Co		8½	9½
Southern Diversified			
Industries Inc	10c	5/8	⅞
Southern Industries	*	14¾	15½
Southern Nitrogen	10c	18½	19⅞
Southern Pipe Line	1	5⅜	5¾
Southern Spring Bed	*	16½	17½
Southern States Oil	1c	2⅜	2¾
Southern United	1	1¾	1⅞
Southland Corp	*	60	70
Southland Paper Mills	*	137	--
Southland Racing	50c	3⅞	4⅛
Southport Commerc'l	1	16½	--
Southwest Airmotive	1	3⅛	3⅜
Southwest Forest			
Industries	1	7¼	7½
Southwest Realty &			
Development Co	20c	1 1/16	1¼
Southwestern Drug	1	17	18
$5 1st preferred	*	92½	--
Sovereign Resources	4c	½	¾
Space Age Materials	10c	3	3¼
Space Research and			
Developm't Corp	50c	½	¾
Space-Tone Electro	10c	1/16	¼
Spaceonics Inc	*	⅛	½
Spandex Corp	10c	1½	1⅞
Spartan Aircraft	3	2½	3
Spartan Mills	10	32½	--
Special Metals	2	11¾	12½
Specialty Converters	1c	2	2¼
Specialty Electronics			
Developm't (N Y)	4c	¾	⅞
Spector Freight System			
Inc class A com	1	7⅞	8⅛
Spectron class A	10c	¼	½
Speedee Mart Inc	*	5½	6⅜
Speed-Way Food Sts	1c	⅜	7/16
Spellman Engineerg	10c	½	⅞
Spencer Gifts Inc	25c	7	7¾
Spiegel Farms	1	1¾	2
Spiral Metal Co	10c	5	5½
Spotless Co	1	10⅛	13
Sprague Electric	2½	58¾	59¾
Sprague Engineering	1	a67⅞	73¼
Spray-Built Inc			
Class A	10c	--	3/16
Sprayfoil Corp	1	--	⅛
Sta-Rite Products	2	24¼	25¾
Staff Business & Data			
Aids Inc	10c	3⅜	3⅞
Stainless Steel			
Products Inc	1	12¾	14
Staley (A E) Mfg Co—			
$3.75 preferred	*	83	--
Stancil-Hoffman Cp	*	⅜	¾
Standard & Poor's	1	23¾	24¼
Standard & Shell			
Homes Corp	25c	10c	20c
Standard Aircraft			
Equipment Co	50c	2⅝	3⅛
Standard Beryllium	1c	3	3½
Standard Commercial			
Tobacco Co	1	4	5
Standard-Coosa-			
Thatcher Co	10	16	17
Standard Fruit & SS			
Common	2.50	14½	15½
$3 partic pref	*	75	79½
Standard Gilsonite	10c	15c	20c
Standard Industries	75c	2⅞	3⅛
Stand Instru cl A	20c	1⅜	1⅝
Standard Magnesium			
& Chemical Co			
New common (one			
for 5 rev split)		6⅛	6⅜
Standard Milling—			
Class A n-v	1	3⅜	3⅞
Class B voting	1	3⅜	3⅞
Standard Register	1	23	24⅞
Standard Screw Co	20	28½	30⅞
Standard-Thompson—			
5½% conv pfd	12.50	9	9¾
Standard-Toch			
Industries	1c	⅛	¼
Stange (Wm J) Co	1	14	--
A 100% stock div			
was paid on June 28			
Stanley Home Prod—			
Common non-vot	5	40	43⅞
Stanley Industries	10c	1¼	1⅝
Stanley Works	10	20⅜	21¾
Star Market Co	1	18½	19⅛
Star Tank & Boat	1	9	9⅜
State Exploration	1	7	8⅜
Statmaster Corp	10c	5/8	⅞
Steadman Industries			
Ltd	*	1⅜	1¾
Steak n Shake Inc			
(Delaware)	50c	6½	--
Steel Co (Wales)—			
Amer dep rcts		3	3½
Steel Crest Homes	*	5	5½
Warrants		5	7
Steel Improvement			
& Forge Co	1	4	4½
Steep Rock Iron Min	1	4	4¾
Stein Hall & Co	66⅔c	17½	18
Sterling Electronics	50c	2⅜	2¾
Sterling Extruder	10c	1¾	2⅛
Sterling Oil of Okla	10c	1	1⅛
Sterling Precision			
5% conv A pfd	5	n4	--
5% conv C pfd	10	7	8
Sterling Seal Co	1	5¾	6¼
Sterling Sugars	*	1⅞	2¼
Sterling Television			
Merged into Walter			
Reade-Sterling on a			
share for share basis			
Stern & Stern Textiles	1	8¼	9
Sternco Industries—			
Class A	10c	10½	11
Stetson (J B)			
8% preferred	25	35	--
Stevens Markets—			
Class A common	1	3¾	4¾
5.90% conv pfd	25	14¼	15½
Stewarts & Lloyds Ltd			
Amer dep rcts		4⅜	5⅛
Still-Man Mfg Corp—			
Class A	75c	8¼	8¾
Stinnes (Hugo) Corp	5	32½	34¾
Stocker & Yale	*	3⅛	3⅜
Stockton Whatley			
Davin & Co	4	10	11
Stonega Coke & Coal	15	11	11¾
Stowe-Woodward Inc	5	8¾	9⅛
Strategic Materials	1	3⅜	3⅞
Stratford Corp	10c	1¼	1 7/16
Stratoflex Inc	2.50	14½	16
Strawb'ge & Clothier	5	24½	25
$5 preferred	100	104½	106
Straza Industries	1	5⅞	6⅝
Strolee of Calif	*	4½	5¼
Strouse Inc	5c	2⅝	3¼
Struthers Scientific &			
Internat'l cl A	10c	4⅝	5
Struthers Wells—			
$1.25 preferred	*	15¼	16¼
Stubnitz Greene Corp	1	5⅞	6½
Studebaker Corp—			
$5 conv pfd	100	218	228
Sullivan County			
Harness Rac cl A	1	2⅜	2⅝
Class B	1	53c	58c
Sulray Inc	10c	1	1⅜
Summers (John) &			
Sons Ltd "Adrs"		3½	3⅞
Summit Industries	1	4¼	5
Sun Drug Co	1	2¼	2⅝
Sunbury Milk Prods	5	44	47
Sunset Color Labs	1c	n⅜	½
Sunset House			
Distributing Corp	1	14⅝	15⅜
Sunshine Consol	25c	70c	80c
Sunshine Park Racing			
Assn	5c	1⅝	1⅞
Super Food Serv Inc	1c	5½	5⅞
Super Market			
Distributors Inc	1	2⅜	2¾
Super Mold Corp	5	21	23⅝
Super Valu Stores	1⅔	29¼	31⅛
Superior Cable Corp	1	7¾	8
Superior Electric	1	11	12¼
Superior Industries	10c	1⅝	1⅞
Superior Manufac'g &			
Instrument Corp	50c	3	3¾
Superpak Vending	*	6½	7¼
Susan Crane			
Packaging Inc	*	6⅜	7⅛
Sutter Basin Corp	*	1.00	--
Suval Industries	50c	1¾	2⅛
Swan Finch Oil	5	⅜	7/16
Swank Inc	1	27	28¾
Swedish Ball Bearing—			
Class B	4	88	92
Swift Homes Inc	*	3⅜	3⅞
Swimming Pool Devel	1	1	1¼
Swiss Chalet common	*	4½	5
70c 1st preferred	9	9¾	10¼
Symington Wayne			
Warrants		7½	8
Syracuse Supply	8	11¼	12
Systems Inc	2	1½	1⅞
Systron-Donner Corp	*	10¼	11⅛
Szabo Food Service	1	5¼	5¾
5% conv pfd	10	8½	9½
T-Bowl Internat'l	50c	⅛	¼
T. I. M. E. Freight	2	21¼	23¼
Taddeo Construction			
& Leasing Corp	10c	1/16	1/16
Taffet Electronics	10c	1	1¼
Talley Industries			
Now listed ASE			
Tally Corp	1	16½	18⅜
Warrants		12¼	13
Tamar Electronics			
Industries Inc	25c	10⅛	11
Tampax Inc	1	63¼	66¾
Tang Industries	10c	⅛	½
Tanganyika Concess'ns			
Amer deposit rcts		2¼	2⅝
Tappan Company	5	31¾	34¼
Tassette Inc cl A	10c	2⅜	2¾
Tasty Baking Co—			
Class A common	50c	18¼	18¾
Taylor-Colquitt Co	5	15	17
Taylor Corporation	3	3¾	4⅜
Taylor Devices	25c	3⅛	3⅞
Taylor Instrument	5	34½	35½
Taylor International	5	3/16	5/16
Taylor Publishing	1	11⅝	12¾
Taylor Wine Co	2	17	17½
Tech-Aerof'm Prod	10c	2⅜	2¾
Tech Laboratories	10c	1¾	2½
Tech-Ohm Electronic	10c	¾	1⅛
Techbuilt Homes	10c	½	¾
Techmation Corp	1c	1⅝	2
Techni Electronics	10c	⅝	1
Technical Animations—			
Class A	10c	1	1⅜
Class B	10c	1	1⅜
Technical Information			
Systems & Service	1	¼	--
Technical Measure't	20c	6½	7¼
Technicolor Ltd	5s	2⅜	2⅝
Technifoam Corp	10c	⅜	⅝
Technograph Printed			
Electronics	40c	2¼	2⅝
Techno-Vending cl A	1c	15c	25c
Teco Inc (Ill)	10	135	150
Tecumseh Products	1	61½	63½
Tejon Ranch (Calif)	1	26½	27½
Tekoil Corp	1	1¼	1¾
Tele-Film Electronics			
Engineering Corp	10c	25c	35c
Telecomputing Corp	1	2	2⅜
Telecredit Inc	1c	2¾	3⅛
Teledyne Inc	1	28½	30⅞
Teleflex Ltd	*	15½	16
Telefones De Mexico			
Bearer "adrs"		7¾	8⅜
Telescript-CSP	1c	1⅛	--
Teletray Electronics			
Systems Inc	15c	--	10c
Telex Corp	1	6¾	7
Telex Inc	1	a6⅝	7⅛
Temperature			
Engineering Corp	25c	1⅛	1⅜
Templet Industries	25c	1⅜	1⅞
Tenax Inc	10c	1c	4c
Tenney Corp class A	1	1¼	1½
Tensor Electric			
Development Co	10c	1½	2
Terminal Transport	*	8⅝	9⅜
Terre Haute Malleable			
and Mfg Co	5	5¼	6
Terryphone Corp	5c	2¼	2⅝
Terry Shops Inc	50c	--	1
Terry Steam Turbine	5	33½	35
Tesco Stores "adrs"		85c	1.00
Tex-Star Oil & Gas			
Corp	50c	21⅞	23⅜
Tex-Tube Inc com	1	4⅜	4¾
6% conv pfd	10	8	--
Texaco Canada Ltd	*	43¼	44
Texam Oil Corp	1	1½	1¾
Texas Amer Oil	10c	5¼	5¾
Texas Butadiene &			
Chemical Corp			
Stamped		a⅛	½
Texas Industries	1	15¾	16½
Texas Instrument—			
4% pfd series 1959	25	24	--
Texas International			
Sulphur Co	10c	--	12c
Texas Tenn Industries			
Class A common	20c	6½	6¾
Warrants		¾	--
Texize Chemicals	1	4¼	4⅝
Texo Oil Corp	1c	8c	12c
Texota Oil Co	1c	1¾	1⅞

* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend v Ex-stock dividend.

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INDUSTRIAL AND MISCELLANEOUS STOCKS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Textiles Inc	1	16½	17½
Thalhimer Bros com	5	12¾	13¼
3.65% preferred	100	77	—
Therm-Air Mfg Co	10c	2¼	2¾
Thermal & Electronics Industries Inc	10c	⅛	⅜
Thermal Power Co	1	5½	6¼
Thermal Research & Engineering Corp	1	1⅞	2⅜
Therm-O-Disc Inc	1	28¼	29
ThermoPlastics Corp	1	3	3⅜
Thermogas Co	2	15	15⅜
Thomas Industries	1	19¾	21¼
Thomaston Cot Mills	10	n28	—
Thomasville Furniture Industries Inc	5	18⅜	19¾
Thompson (H I) Fiber Glass Co	*	9¼	10⅛
Thrift Courts of America	50c	n⅛	⅜
Thrift Drug of Pa	1	15	16
Thrifty Drug Stores	*	35⅞	38
Thriftway Foods	2	13	14⅛
Thurow Electronics— Class A com	2.50	2¼	2⅝
Thyssen (August) Huette "adrs"		22½	23
Tidewater Lumber	10c	⅞	1¼
Tidewater Marine Service Inc	1	10½	10⅝
Tiffany & Co	*	26	27
Time Inc	1	83¾	87¼
Timely Clothes	10	12¼	13⅞
Times-Mirror Co	*	34	36⅝
Tinsley Labs Inc	16⅔c	1	1⅜
Tintic Stand Mining	1	2⅜	2½
Tip Top Products Class A common	1	6⅝	6⅞
Tobin Packing Co	3	25½	27½
Tokheim Corp	5	26¾	29¾
Tokyo Shibaura Electric Co Ltd Amer Deposit rcts		13	13½
Toledo Scale Corp	1	25	26
Tonka Toys Inc	1	29¼	30
Tool Research and Engineering Corp	1	2½	2¾
Topsy's Intern cl A	10c	4¾	5½
Torch Rubber	10c	¾	1
Toreador Royalty	62½c	1⅛	1⅜
Tor Education	10c	⅞	1⅛
Toro Mfg Corp	1	38½	41¾
Torque Controls	1c	1/16	1⅛
Torrington Mfg Co	6.25	24½	26
Tower Communicat'n	*	2	2⅜
Towle Mfg Co	*	56	59
Towmotor Corp	1	26½	27¼
Town Enterprises	50c	⅝	⅞
Towne Mines com	20c	3	4
$1.75 prior pfd	5	15½	17½
Trade Winds Co	1	4½	5¼
Traid Corp (Calif)	1	4¾	5⅛
Trak Electronics	1	4⅜	4¾
Trans Air Systems	10c	¾	4
Trans-Aire Electro	10c	⅜	⅝
Trans-Sonics Inc	1	2⅜	2⅞
Trans-United Industries Inc	1	—	⅜
Transcon Lines	2.50	26¾	30⅝
Trans-Mountain Oil Pipe Line Co	*	13¾	14¼
Transcontinent TV— Class B	2.50	18¼	19½
Transcontinental Bus System Inc	1	30	31¾
Transcontinent'l Oil	25c	1/16	¼
Transdyne Corp	1c	⅜	¾
Transistor Electron	20c	9¾	10¼
Transistor Special	10c	4½	5⅛
Transition Systems	1	⅝	1⅛
Transitube Electronics	10c	⅝	⅞
Transnation Realty	10c	½	¾
Transogram Co Inc	1	5	5⅝
Transport Motor Express Inc	1	10⅛	10½
Transportation Corp of America— 2nd series class A purchase warrants		1⅝	1⅞
Travelers Express	1	13	13⅜
Travelodge Corp	25c	4⅝	5
Treesdale Lab & Tex'le Processing	50c	7¼	8⅛
Trenton Foods	50c	18¾	19¼
Tresco Inc	10c	½	⅞
Tri-Metal Works	6¼c	⅜	⅝
40c conv pfd	1	1	2
Tri-Point Indus	10c	1½	1⅞
Triangle Instrument	1c	1/16	5/16
Trico Products	*	85	90½
Trinidad Petroleum Develop Ltd ord	£1	4	4½
Trinity Steel	1	7⅞	8⅜
Trion Inc	50c	3¾	4½
Trio-Tech, Inc	10c	n1	1⅜
Triumph Storecrafters	1	2⅝	3
Tropical Gas Co	1c	17¾	18¼
Trout Mining Co	1	30c	45c
True Taste Corp	1	⅞	1⅛
Trunz Inc	*	32½	—
Trygon Electronics	25c	3	3½
Tube Investments— Amer dep rcpts		7½	8
Tuboscope Co	2	16	17
"21" Brands Inc	1	5	5¼
Twin Disc Clutch	*	25½	—
Tyson Metal Products Inc	1	3½	4
Tyson's Foods Inc	2	10	10⅜
Uarco Inc	2.50	25	26¾
Ultra Dynamics	10c	1	2
Ultra Electric Holdings "ADRS"		1⅝	2
Ultra Plastics cl A	5c	1/16	1/8
Ultra-Sonic Precis'n	10c	n¼	½
Ultramar Ltd— Ordinary regis		4	4⅜
Amer deposit rcts		8¼	9⅛
Ultrasonic Indus	10c	1	1⅜
Underwater Storage	1	n⅞	1⅛
Underwood Corp	*	11¼	12¼
Uneeda Vending Service Inc	1c	n3½	4½
Unilever Ltd— Amer dep rcts		22⅜	22⅝
Union Carbide Australia Ltd	£A1	7¼	7¾
Union Elect Steel	2.50	31	33
Union Mfg Co	25	18	—
Union Miniere du Haut Katango	*	23	25⅛
Union Rock & Materials Corp	*	8¼	8⅝
Union Spring & Manufacturing Co	50c	1⅞	2⅛
Unishops Inc	10c	8⅝	9½
United Air Lines 1966 wts		13	13¾
1968 wts		13	14
United Artists Theatre Circuit	1	12¾	13⅞
United Australian Oil, Inc	56c	¼	⅜
United Bowling Centers Inc	1	⅜	¾
United-Buckington Freight Lines A	1	6¼	7
United Components	10c	⅛	⅜
United Control Corp	1	4¾	5¼
United Cuban Oil	16c	2c	4c
United Discount	1	⅝	⅞
United Electro-Dynamics Inc	1	3¾	4¼
United Exposition Service Co	10c	6¾	7½
United Industrial Corp common	1	5¾	6
Warrants		⅝	¾
Conv pfd ser A	8½	6¾	7
United Nuclear Corp	1	14	14¼
United Piece Dye Works com	10c	5¾	6
$4.25 preferred	75	69	72
United Research	2	4¼	4¾
United Scientific Laboratories, Inc	1c	1/16	1
United Screw & Bolt Class A	*	30	—
Class B	*	24	—
United Servomation	1	n19⅛	20½
United Sheet Metal	*	3¼	3⅝
United Star Co's— Class A	2	4c	9c
U S Bowling Corp	25c	¼	¾
U S Brass Corp	10c	1⅝	1⅞
U S Crown Corp	10c	8¼	8¾
U S Dielectric	10c	2½	3½
U S Envelope com	10	14½	16
7% preferred	10	12	13⅜
U S Finance Corp	1	6½	7¼
Warrants		4	4¾
U S Homes & Dev— Class A	10c	1½	1¾
U S Leasing Corp	1	8	8⅝
U S Lumber Co	1	3½	4
U S Magnet & Alloy	10c	¾	1
U S Markets	25c	1⅞	2¼
U S Photo Supply	10c	1c	4c
U S Plastic and Chemical (Del)	10c	5⅛	5⅝
U S Plastics Inc (Florida)	10c	2⅛	2½
U S Polymeric Chemicals Inc	50c	16	17
U S Radium Corp	2	5¼	6¼
U S Servateria Corp	1	7½	8⅜
U S Sonics Corp	*	3⅛	3⅝
U S Sugar Corp	1	46	49½
U S Time "units"		46	50
U S Truck Lines of Delaware	1	19⅝	21⅛
United Steel (England) American dep rcts		3	3½
United Technical Industries	1	⅜	½
United Whelan Corp 3½% conv pfd	100	70	—
Universal Data Processing Corp	*	2	2½
Universal Drilling Class A com	1	1½	2⅛
Universal Electronics Laboratories	10c	⅜	⅝
Universal Foods Corp	1	17¾	18½
Universal Foods Prods Inc	1c	37c	47c
Universal Lighting Products Inc	1c	1½	1¾
Universal Marion— 4½% preferred	100	57	—
Universal Moulded Fibre Glass	10c	3	3¼
Universal Pictures	1	63	—
4¼% preferred	100	a104	—
Universal Publishing & Distributg com	50c	4¾	5⅛
6% conv pfd	10	9½	10½
Units		14	15½
Universal Surgical Supply Inc	1	1¾	2¼
Univis Inc	50c	17	17¾
Upson Co	10	12	13
Urethane Corp of Cal— Common	5c	1½	2
Class A	5	n2⅜	2⅞
Uris Buildings Corp Warrants		11½	12
Utah Concrete Pipe Co	1	n6¼	6⅝
Utah Const & Mining	2	21⅛	22⅝
VSI Corporation— Ex 100% stock div		t14⅜	15½
Vacu-Dry Co	10c	1¾	2⅛
Vacuum Concrete Corp of Amer	*	1⅝	2
Vacuum Electronics	1	10	11½
Vahlsing Inc	10c	2⅛	2½
Valley Forge Products class A	25c	4	4⅜
Valley Gas Prod Inc	1	13¾	14¼
Valley Metallurgical Processing Co	*	13½	14½
Valley Mould & Iron— Common	5	23½	24¼
$5.50 prior pfd	*	89	—
Valtronic Corp	10c	1¼	1⅝
Vamco Corp	10c	⅜	⅝
Van Camp Sea Food	1	16¾	17⅞
Van Dusen Aircraft Supplies Inc	5	4⅛	4½
Vangas Inc	2.50	11½	12¼
Van Sciver (J B) 5% class A	100	77	—
Van Waters & Rogers	1	41	43⅜
Vanity Fair Mills	5	65¼	68¾
Vapor Corp	1	31	32
Varifab Inc	10c	⅜	¾
Varo, Inc	*	6½	7
Vassar Corp	10c	5½	6⅜
Vector Mfg Co	*	1	1¼
Veeder Root Inc	12½	46½	49¼
Vermillion Bay Land	1	17¼	18
Vernitron Corp	10c	5⅞	6¼
Vernors Ginger Ale	*	7¼	7¾
Versapak Film & Pack Machinery	5c	⅜	½
Warrants		14c	20c
Vibration Mountings and Controls	10c	1⅛	1⅜
Viclad Industries	25c	5c	10c
Victor Products	1	2	2¼
Victoria Investment	1	14	17
Victory Markets (N Y) Class A & B reclassified as com $2 par		16½	18
Viking Freight— Class A com	1	5¼	5¾
Viking Pump Co	5	26½	28
Vinco Corporation	1	1/16	⅝
Virginia Chemicals & Smelting Co	*	11¾	13⅛
Va Coal & Iron	100	180	—
Virginia Skyline com	1	10	—
$6 preferred	100	85	—
Vista Industries		30c	60c
Visual Art Industries	1c	1½	1¾
Visual Dynamics	5c	—	¼
Vitamix Pharmaceuticals Inc	1	8	9⅛
Vitramon Inc	10c	4⅝	5⅜
Vitro Corp of Am	50c	8¼	8⅞
Vocaline Co of Am	1.50	1¼	1½
Vogue Instrument	1c	¼	¾
Voight (Albert) Ind	10c	n5	5½
Volkswagenwerk (AG) Amer deposit rcts		75	76½
Volt Technical Corp— Class A	50c	3⅛	3½
Voss Oil cl A com	*	¼	⅜
Class B com	*	5c	15c
Vulcan Corp Common	50c	4¾	5¾
$3 prior pfd	*	62	—
$4.50 preferred	*	72	—
Vulcan Mould & Iron	1	7	7¾
Wabash Magnetics	50c	2⅜	2¾
Waco Aircraft	*	a1¼	—
Wagner Baking— Common	*	⅞	1⅛
7% preferred	100	n—	35½
Wainwright Stores	10c	⅝	1⅜
Wakefield Corp Common	1	8⅝	9⅛
5% preferred	25	22¾	—
Wakefield Engineer'g	*	½	¾
Waldbaum Inc	1	13	14⅛
Waldorf Auto Leasing	10c	1¾	2½
Wallace Press Inc	10	21¼	21¾
Wallace (Wm) Corp	50c	9	9¼
Walnut Grove Products class A	2	13½	14½
Warrants		6¾	7¾
Walter (Jim) Corp— Common	16⅔c	23	23¾
Walter Reade-Sterling Inc	25c	2⅝	2⅞
Waltham Watch Co	2.50	6¼	7
Ward Industries— $1.25 preferred	25	6½	—
Wards Co Inc	1	4	4½
Warlick Press Inc	25c	2⅜	2⅝
Warner Electric Brake & Clutch Co	1	17½	18½
Warner & Swasey	1	64¾	68
Warren Brothers	10	23⅜	25⅛
Warren (S D) Co— $4.50 pfd	*	97	101
Warshow (H) & Sons Class A	1	11½	12⅞
Washburn Wire	12.50	29½	31⅞
Washington Engineering Serv Co	*	½	⅞
Washington Mills	25	19	—
Washington Steel Corp Common	1	16⅞	18⅛
4.80% conv pfd	50	43	47
Washington Trotting Assn	1	10¼	11¼
Waste King common	1	6¾	7½
6% C conv pfd	17½	12½	14⅛
Waterman (L E) Pen	*	⅛	¼
Water Treatment	10c	2⅝	2⅞
Waters Mfg Co	1	2⅛	2½
Watsco Inc	1	3½	3⅞
Watson-Wilson Transportation System class A	1	4⅛	4⅝
Waverly Oil Works	1	10	—
Wayne-George Corp	*	3	3¾
Wayne Mfg Co	1	x17½	18¾
Weatherford (R V)	*	3	3⅝
Webb (Del E) Corp	*	12⅜	13⅜
Warrants		7½	7⅞
Webb Resources	10c	1⅝	1⅞
Weinkles Liquor Stores Inc	25c	1	1⅜
Weinschel Eng'nering	1	3	3½
Weiss Bros Stores Class A	1	10	10⅜
Weissberg (H R) Corp Class A	1	9⅝	10½
Wej-it Expansion Products Inc	10c	50c	60c
Welded Tube Co of America class A	1	6¼	7⅜
Weldotron Corp	5c	3¾	4⅛
Wellco Ro-Search Industries Inc	1	2¾	3
Wellington Electronics	75c	5	6
Wells Gardner Elecs	1	26¾	27¾
Wells Industries	50c	¼	⅜
Welsbach Corp	2.50	17½	18½
Welsh Panel Co	25c	2¾	3¼
Werner Trans'tion	1	10¼	11⅛
Wespak Inc	10c	1⅛	1⅝
West Coast Airlines	1	3¼	3¾
West Driefontein Gold Mining Co Ltd "adrs"		12¾	13¾
West Point Mfg	5	21⅞	22⅜
West Va Production Co 10c preferred	1	30c	50c
Westbrook Thompson Hold'g Corp	.07264	4	4¼
Western Electric Co	*	250	265
Western Holdings Ltd Amer deposit rcts		26	27
Western Natural Gas	1	12⅝	12⅞
5% conv preferred "1952 series"	30	30	31½
5% conv preferred "1955 series"	30	31	32½
Western Oil Fields	1¼	5/16	⅜
Western Publishing	1	18⅞	20⅜
Western Tablet & Stationery 5% Preferred	100	100	—
Western Tool & Stamping	2	19	19½
Westgate Calif Corp— Class A	5	11⅝	12⅝
5% preferred	70	51	53
6% preferred	10	9¼	9¾
Westmoreland Coal	20	37	38½
Westron Corp	1	16½	—
Wetterau Foods Inc	1	21¾	22¾
Weyerhaeuser Co	7½	30¼	33¼

* Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend v Ex-stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Stocks—	Par	Bid	Ask
Wham-O-Mfg Co	50c	2¾	3⅜
Wheaton Industries	10c	--	1⅛
Whitaker Cable Corp	1	20½	21½
White Lighting Co (Cal) class A	25c	6½	7⅜
White Shield Corp	10c	3/16	5/16
Whitehall Cement Manufacturing Co	10	15	17
Whitehall Electrncs	10c	⅞	1⅛
Whitin Machine Works	12.50	20¼	22¼
Whiting Corp	5	12¾	13¾
Wiatt (Norman) Co	1	4	4⅝
Wichita Union St'kyards com	100	52	--
4% preferred	100	62	--
Wiegand (Edwin L)	5	23	24⅝
Wilbur Chocolate	*	24½	26
Wilcox Electric	3	4½	5⅛
Wilcox-Gay Majestic Electronics Corp	4	¼	½
Wiley (John) & Sons	1	17½	18½
Will & Baumer Candle	*	16½	18½
Willcox & Gibbs Sewing Machine	1	8⅜	8¾
Williams (R C) & Co 5½% preferred	25	11½	13
Williams & Co (Pa)	2½	31	32½
Willner's Liquors	10c	1⅛	1⅜
Will Ross Inc	1.25	26	27
Win-Chek Industries Class A	10c	3	3½
Winchell Donut House, Inc	*	10½	11½
Wings & Wheels Express Inc	1c	2⅝	3
Winkelman Bros Apparel Inc cl A	3	11⅛	11⅝
Winston-Muss Corp	*	2¼	3
Wolf (The) Corp cl A	1	2¾	3¼
Wolf (Howard B) Inc	1	8	8¾
Wollard Aircraft Service Equip	10c	1¾	2
Wolverine Brass	10	21	23
Wolverine Shoe & Tanning Co	2.50	28½	29½
Wometco Enterprises— Class A common	1	23⅝	24⅜
Wood Conversion	5	8⅛	9
Wood-Mosaic Corp	1	4½	5
Woodland El'tronics	10c	3c	8c
Woodman Co	10c	½	⅞
Woodward Governor	1	82	86
Work & Wear Corp	1	18	18½
World Color Press	1	16	17¼
Worldmark Press	10c	1/16	½
World Toy House	33⅓c	2½	2⅞
World Wide Helicopters Ltd Am dep rcts	£1	1¼	1¾
Wrather Corp	*	6⅜	6⅞
Wurlitzer Co	10	18¼	18¾
Wyandotte Chemicals	1	55½	59¾
Wyatt Industries	20	23	26¼
Wyckoff Steel Co	10	17¾	18¾
Wyle Laboratories	*	6¼	6¾
Wyman-Gordon	*	82	88
X-Ray Monitoring	10c	1/16	½
Xtra Inc com	1	23	23¾
$1.40 conv pfd	25	27⅝	28⅛
Yankee Plastics	1c	⅜	⅝
Yardley & Co Ltd Ordinary A Regis		3¼	3½
Yard-Man Inc	2	3⅞	4¼
Yardney Electric	25c	3⅞	4½
Yellow Cab Co of Philadelphia	3	12	13½
Yellow Transit Freight Lines Inc	1	16⅝	17¾
York Hoover Corp	10	8½	10
York Research cl A	1	2½	3¼
Yorktown Products	1c	1/16	3/16
Youngstown Research & Development Co	1	22¾	23¼
Youngwood Electronic Metals Inc	*	1¼	1⅝
Younker Bros	*	40½	42
Youthcraft Creations— Class A common	1	6½	7
Yuba Consol Indus	1	¾	⅞
Zausner Foods— Class A common	1	10⅜	10⅞
Zayre Corporation	1	6⅞	7⅝
Zeigler Coal & Coke	10	24¼	26½
Zenith Laboratories	10c	1½	1⅞
Zep Aero	1	3⅝	4⅛
Zero Mfg Co	1	4	4⅜
Zion's Co-Operative Mercantile Inst	50	55	57
Zonolite Co	1	a10¾	11½
Zurn Industries	1	6⅝	7½

*Without par value. a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend.

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United States and Municipal Bonds

The custom in reporting prices for State and municipal securities is to quote them on the basis of the return the bonds yield per annum. Therefore, in furnishing the prices below, it will be found that for the single maturity bond a bid and asked quotation is published—either actual figures or on a percentage basis. In furnishing prices for the serial bonds, however, we endeavor to obtain the bid yield basis for the varying maturities. For instance, if a certain bond in our list matures from 1963 to 1980 and is quoted 0.90 to 2.95%—this would indicate that earliest maturity yields 0.90% and the later maturity is yielding 2.95%

Therefore, in the following list, it must be remembered the word "to" indicates that the figures shown are the bid yield basis for various maturities; all other figures are bid and asked prices.

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Bid	Ask	
UNITED STATES	Values shown below		
Treasury bonds—	All Quoted in 32nds		
4¼s May 15 1985-1975	102.8	102.16	--
4¼s Aug 15 1992-1987	102.20	102.28	--
4⅛s May 15 1989-1994	100.20	100.28	--
4s Feb 15 1969	100.15	100.19	--
4s Oct 1 1969	100.16	100.20	--
4s Aug 15 1970	100.11	100.13	--
4s Aug 15 1971	100.9	100.13	--
4s Feb 15 1972	100.5	100.9	--
4s Aug 15 1972	100.4	100.8	--
4s Feb 15 1980	99.23	99.27	--
4s Feb 15 1988-1993	99.22	99.30	--
3⅞s May 15 1968	100.2	100.6	--
3⅞s Nov 15 1971	99.5	99.9	--
3⅞s Nov 15 1974	98.26	98.30	--
3¾s Aug 15 1968	99.12	99.16	--
3¾s May 15 1966	99.31	100.1	--
3⅝s Nov 15 1967	99.6	99.8	--
3½s Nov 15 1980	93.26	94.2	--
3½s Feb 15 1990	91.18	91.26	--
3½s Nov 15 1998	90.18	90.26	--
3⅜s Nov 15 1966	99.2	99.4	--
3¼s June 15 1978-1983	89.21	89.29	--
3¼s May 15 1985	89.19	89.26	--
3s Feb 15 1964	99.28	99.30	--
3s Aug 15 1966	98.5	98.9	--
3s Feb 15 1995	87.18	87.26	--
2⅝s Feb 15 1965	98.27	98.29	--
2½s June 15 1962-1967	95.24	95.28	--
2½s Aug 15 1963	99.31	--	--
2½s Dec 15 1963-1968	93.22	93.28	--
2½s June 15 1964-1969	92.22	92.28	--
2½s Dec 15 1964-1969	92.2	92.8	--
2½s Mar 15 1965-1970	91.21	91.27	--
2½s Mar 15 1966-1971	90.25	90.31	--
2½s June 15 1967-1972	89.8	89.14	--
2½s Sept 15 1967-1972	89.1	89.7	--
2½s Dec 15 1967-1972	89.1	89.7	--
Treas Ctfs of Indebtedness—			
3½s Aug 15 1963	100	--	--
3⅛s Nov 15 1963	100	100.2	--
3¼s Feb 15 1964	99.31	100.1	--
3¼s May 15 1964	99.31	100.1	--
Treasury Notes—			
1½s Oct 1 1963	99.22	99.24	--
4⅞s Nov 15 1963	100.14	100.16	--
1½s Apr 1 1964	99.1	99.3	--
4¾s May 15 1964	101.3	101.5	--
3¾s May 15 1964	100.11	100.13	--
5s Aug 15 1964	101.15	101.17	--
3¾s Aug 15 1964	100.9	100.11	--
1½s Oct 1 1964	98.11	98.13	--
4⅞s Nov 15 1964	101.16	101.18	--
3¾s Nov 15 1964	100.5	100.6	--
1½s Apr 1 1965	99.16	99.20	--
4⅝s May 15 1965	101.20	101.22	--
1½s Oct 1 1965	96.18	96.22	--
3½s Nov 15 1965	99.18	99.20	--
3⅝s Feb 15 1966	99.23	99.25	--
1½s Apr 1 1966	95.16	95.20	--
4s Aug 15 1966	100.22	100.24	--
1½s Oct 1 1966	94.22	94.26	--
3⅝s Feb 15 1967	99.10	99.12	--
1½s April 1 1967	93.18	93.22	--
3¾s Aug 15 1967	99.21	99.23	--
1½s Oct 1 1967	92.16	92.20	--
1½s Apr 1 1968	91.18	91.22	--
Banks for Cooperatives—			
Coll Trust debs—			
3.15s Oct 1 1963	99.30	100.1	--
3.20s Dec 2 1963	99.27	99.29	--
3⅝s Feb 3 1964	99.31	100.1	--
Federal Home Loan Banks—			
3.30s Aug 15 1963	99.31	100.1	--
3.30s Sept 16 1963	99.31	100.1	--
3.20s Jan 15 1964	99.25	99.29	--
3¼s Feb 17 1964	99.25	99.27	--
3.40s Mar 16 1964	99.27	99.29	--
3.30s April 15 1964	99.23	99.25	--
3½s Jun 15 1964	99.27	99.29	--
3½s Oct 15 1964	99.20	99.24	--
3¾s Sept 15 1965	99.24	100	--
Federal Land Bank Bonds—			
3⅝s Aug 20 1963	99.31	100.1	--
3¼s Oct 22 1963	99.30	100	--
4½s Apr 20 1964	100.14	100.22	--
4s Oct 20 1964	100.6	100.14	--
4s Oct 20 1965	100.6	100.14	--
4s Dec 20 1965	100.6	100.14	--
3⅝s Feb 21 1966	99.8	99.24	--
3¼s May 2 1966	98.8	98.24	--
4¼s July 20 1966	100.20	101	--
4s May 22 1967	100	100.16	--
4¼s Mar 20 1968	100.16	101.16	--
4s Jun 20 1968	100	100.8	--
4⅜s Mar 20 1969	101	102	--
4⅝s July 15 1969	102.16	103.16	--
5⅛s Feb 20 1970	105.16	106.16	--
3½s Apr 1 1970	96	97	--
5⅛s July 20 1970	105.24	106.24	--
4½s Oct 1 1970 opt '67	101.24	102.8	--
3½s May 1 1971	95.16	96.16	--
4⅛s Feb 15 1972-1967	99.16	100.16	--
3⅞s Sep 15 1972	97.24	98.24	--
4½s Feb 20 1974	102.8	103.8	--
4⅛s Feb 20 1978-1973	99.16	100.16	--

Bonds—	Bid	Ask	Net
Federal Natl Mtge Asso—	Quoted in 32nds		
4⅛s Nov 12 1963	100.4	100.8	--
3⅝s May 11 1964	100	100.4	--
4s Sept 10 1961	100.6	100.14	--
3⅞s Dec 11 1964	100.4	100.12	--
4⅜s Jun 10 1965	100.30	101.6	--
3¾s Mar 10 1966	99.24	100	--
4⅛s Dec 12 1966	100.20	100.28	--
3⅝s Mar 11 1968	98.28	99.4	--
4⅜s Apr 10 1969	101	102	--
4⅝s Apr 10 1970	102.16	103.16	--
4⅛s Sep 10 1970	99.24	100.24	--
4⅛s Aug 10 1971	99.24	100.24	--
4½s Sept 10 1971	102.8	103.8	--
5⅛s Feb 10 1972	106.24	107.24	--
4⅜s Jun 12 1972	101.16	102.16	--
4¼s Jun 12 1973	100.16	101.16	--
4½s Feb 10 1977	103	104	--
Federal Intermediate Credit Bank Debs—			
3.15s Sept 3 1963	99.30	100	--
3.15s Oct 1 1963	99.30	100	--
3.15s Nov 4 1963	99.28	99.30	--
3.15s Dec 2 1963	99.27	99.29	--
3.20s Jan 2 1964	99.26	99.28	--
3.25s Feb 3 1964	99.26	99.28	--
3.30s March 2 1964	99.25	99.27	--
3.45s April 1 1964	99.28	99.30	--
3.65s May 4 1964	100	100.2	--
International Bank for Reconstruction & Devel—			
5s Feb 15 1985	106.24	107.24	--
4¾s Nov 1 1980	103.16	104.16	--
4½s Dec 1 1973	102	103	--
4½s Jan 1 1977	101.16	102.16	--
4½s Feb 1 1982	101.24	102.24	--
4¼s May 1 1978	99.8	100.8	--
4¼s Jan 15 1979	99.8	100.8	--
4s Sept 15 1963	99.28	100.4	--
3¾s Oct 1 1964	99.20	100.8	--
3¾s May 15 1968	98.24	99.8	--
3½s Jan 1 1969	97	98	--
3½s Oct 15 1971	96.8	97.8	--
3⅜s May 15 1975	93	94	--
3¼s Oct 1 1981	89.16	90.16	--
3s July 15 1972	91.16	92.16	--
3s Mar 1 1976	89.16	90.16	--
Inter-American Development Bank 4¼s Dec 15 1982	99¼	100	--
Quoted in Dollars and cents Not in 32nds			
United States Treasury Bills			
Aug 8 1963	99.946	99.950	--
Aug 15 1963	99.888	99.895	--
Aug 22 1963	99.828	99.836	--
Aug 29 1963	99.771	99.779	--
Sept 5 1963	99.712	99.721	--
Sept 12 1963	99.653	99.664	--
Sept 19 1963	99.592	99.603	--
Sept 26 1963	99.533	99.545	--
Oct 3 1963	99.456	99.466	--
Oct 10 1963	99.389	99.400	--
Oct 15 1963	99.338	99.350	--
Oct 17 1963	99.316	99.327	--
Oct 24 1963	99.248	99.260	--
Oct 31 1963	99.183	99.190	--
Nov 7 1963	99.116	99.138	--
Nov 14 1963	99.052	99.076	--
Nov 21 1963	98.989	99.013	--
Nov 29 1963	98.916	98.942	--
Dec 5 1963	98.868	98.896	--
Dec 12 1963	98.805	98.834	--
Dec 19 1963	98.741	98.772	--
Dec 26 1963	98.710	98.751	--
Jan 2 1964	98.581	98.606	--
Jan 9 1964	98.507	98.529	--
Jan 15 1964	98.455	98.478	--
Jan 16 1964	98.437	98.460	--
Apr 15 1964	98.362	98.381	--
Jan 23 1964	98.291	98.306	--
Jan 30 1964	97.559	97.580	--
July 15 1964	96.655	96.675	--
PUERTO RICO (Commonwealth of)	**Yield Basis or to**		
	Bid	Ask	Net
5s 1964-1970 J-J	b1.80 to 2.75%		--
3½s 1971-1983 J-J	b2.75 to 3.30%		--
2s 1984 J-J	--	--	3.85
Aqueduct & Sewer Auth—			
4s July 1 1992	103	106	--
Water Resources Authority			
Electric revenue ser 1962			
Ref 3¼s 1964-1977 J-J	b1.80 to 3.10%		--
Ref 3½s 1978-1982 J-J	b3.15 to 3.25%		--
Ref 3.60s 1983-1985 J-J	b3.30 to 3.35%		--
Ref 3.70s 1986-1988 J-J	b3.40 to 3.50%		--
Revenue (Series 1962)			
5s 1964-1966 J-J	b1.80 to 2.25%		--
3s 1967-1976 J-J	b2.30 to 3.05%		--
3¼s 1977-1984 J-J	b3.10 to 3.35%		--
3.40s 1985-1991 J-J	b2.90 to 3.50%		--
Electric Revenue (series '63)			
3¼s 1965-1972 J-J	b2.10 to 2.80%		--
3s 1973-1978 J-J	b2.90 to 3.15%		--
3¼s 1979-1987 J-J	b3.10 to 3.40%		--
3.30s 1988-1998 J-J	b3.45 to 3.55%		--
3½s 1999 J-J	--	--	3.55
Public Improvement bonds—			
4¼s 1964-1966 J-J	b1.80 to 2.25%		--
3s 1967-1975 J-J	b2.30 to 3.00%		--
3¼s 1976-1983 J-J	b3.05 to 3.30%		--
3.40s 1984-1986 J-J	b3.35 to 3.40%		--

Bonds—	Yield Basis or to Bid	Ask	Net
Public Improvement—			
5s 1964-1975 J-J	b1.85 to 3.20%		--
3.40s 1976 J-J	--	--	3.25
3.30s 1977-1987 J-J	b3.30 to 3.55%		--
ALABAMA			
3¾s refunding 1964-65 J-J	b2.20 to 2.40%		--
Education Authority			
Capital Improvement ser A			
5s 1964-1966 M-S	b2.25 to 2.50%		--
3½s 1967-1970 M-S	b2.60 to 2.90%		--
3.60s 1971-1974 M-S	b3.00 to 3.20%		--
3.70s 1975-1978 M-S	b3.30 to 3.50%		--
3½s 1979 M-S	--	--	3.60
3.70s 1980 M-S	--	--	3.65
Capital Improvement series C			
5s 1964-1966 A-O	b2.25 to 2.45%		--
3s 1967-1969 A-O	b2.50 to 2.70%		--
3¼s 1970-1978 A-O	b2.90 to 3.40%		--
3.40s 1979-1981 A-O	b3.40 to 3.60%		--
Highway Authority—			
Highway Auth series D			
3.60s 1964-1974 A-O	b2.30 to 3.20%		--
2s 1975 A-O	--	--	3.30
3.60s 1976 A-O	--	--	3.40
Highway Auth series E			
3s 1964-1968 M-N	b2.20 to 2.70%		--
3¼s 1969-1973 M-N	b2.70 to 3.30%		--
3.40s 1974-1979 M-N	b3.30 to 3.60%		--
Southeast Alabama Gas Dist—			
4½s 1st mtge Nat Gas revenue 1989 A-O	--	--	4.50
Birmingham—			
Industrial Waterworks—			
Ref 1½s 1964-70	b1.65 to 3.00%		--
School Building Bonds—			
1¼s due 1964-70 A-O	b1.65 to 2.60%		--
1s due 1971-76 A-O	b2.90 to 3.40%		--
Water Supply rev ser A—			
2.25s 1964-66 J-J	b2.20 to 2.60%		--
2.40s 1967-68 J-J	b2.70 to 3.00%		--
2.50s 1964-73 J-J	b2.20 to 3.40%		--
2.75s 1974-80 J-J	b3.50 to 4.00%		--
2.80s 1981-90 J-J	b4.00 to 4.50%		--
Mobile (City of)—			
3½s gen ref 1964-70 A-O	b2.40 to 3.30%		--
Mobile County—			
Gen fund 4½s 1964-66 J-D	b2.30 to 2.50%		--
Selma Housing Auth—			
2⅛s 1976	--	--	3.00
Sheffield 4s 1964-68 M-S	b2.20 to 3.00%		--
ALASKA			
Various 1964-1978	b2.00 to 3.75%		--
Anchorage (G O & I S D)			
Various coupons 1964-78	b2.00 to 4.10%		--
Tele rev various 1964-78	b2.00 to 4.00%		--
Port revenue 5.40s 1998	85	--	--
Fairbanks (G O & I S D)			
Various coupons 1964-76	b2.00 to 3.75%		--
Juneau (G O & I S D)			
Various coupons 1964-81	b2.00 to 4.20%		--
Airport rev 4½s 1964	b2.50 to 3.30%		--
Water rev various 1964-72	b2.40 to 4.25%		--
Ketchikan (G O & I S D)			
Various coupons 1964-75	b2.00 to 3.85%		--
Utility rev various 1964-82	b2.00 to 4.00%		--
ARIZONA			
Phoenix (City of)—			
Water Revenue (1st issue)			
2s 1964-1977 J-J	b1.50 to 3.50%		--
Water Wks Rev (Ser 1949)			
3s 1964-66 J-J	b1.50 to 2.10%		--
2½s 1964-73 J-J	b1.50 to 2.90%		--
2¼s 1974-78 J-J	b2.95 to 3.50%		--
1952 Water Bonds—			
3s 1964-71 J-J	b1.50 to 2.85%		--
3¼s 1972-77 J-J	b2.90 to 3.25%		--
Salt River Project Agric Imp & Pow District—			
3¼s Jan 1 1981	b3.35 less 1		--
3½s July 1 1978	b3.35 less 1		--
Tucson (City of)—			
Wat rev 1½s Mar 1 1967	b2.50 less 1½		--
Water rev ref 1962 series			
4½s 1964-1970 J-D	b1.75 to 2.90%		--
3¼s 1971 J-D	b2.95 less 1		--
3s 1972-1978 J-D	b3.00 to 3.35%		--
3.20s 1972-1985 J-D	b3.00 to 3.50%		--
3.40s 1986-1991 J-D	b3.50 to 3.75%		--
ARKANSAS			
Highway refunding—			
3s April 1 1969-72 A-O	b2.50 to 2.70%		--
3¼s April 1964-72 A-O	b2.10 to 2.70%		--
Hot Springs 3s rev 1964-83	b2.40 to 3.90%		--
Little Rock wat 4s '64-78 F-A	b2.00 to 3.40%		--
CALIFORNIA			
4½s Olympiad 1964-71 J-J	b1.80 to 2.60%		--
State Construction—			
Act of 1958 series F—			
5s 1964-1972 J-J	b1.80 to 2.65%		--
4s 1973 J-J	--	--	2.70
3¼s 1974-1976 J-J	b2.75 to 2.85%		--
3.40s 1977-1978 J-J	b2.90 to 2.95%		--
3½s 1979-1981 J-J	b2.95 to 3.00%		--
3.60s 1982 J-J	--	--	3.00

* Subject to all Federal taxes. a Called for redemption. see page 94 b Basis. f Flat price. n Nominal.

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BofA
MUNICIPAL BOND DEPARTMENT

SPECIALIZING IN
CALIFORNIA MUNICIPAL BONDS
BANK OF AMERICA
N T & S A
SAN FRANCISCO • LOS ANGELES

STATE AND MUNICIPAL BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—		Yield Basis or to Bid	Ask	Net
State School Bldg ser G—				
2¾s 1964-66	M-N	b1.80 to 2.15%		--
3s 1967-74	M-N	b2.30 to 2.75%		--
3s 1975-79 opt '74	M-N	b2.80 to 2.95%		--
State School Bldg Aid Law of 1958 series W				
5s 1964-1967	M-S	b1.80 to 2.30%		--
3½s 1968-1972	M-S	b2.40 to 2.65%		--
3¾s 1973-1984	M-S	b2.70 to 3.10%		--
4s 1985-1986	M-S	b3.15 to 3.20%		--
State School Building Aid—				
5s 1965-1972	M-N	b2.00 to 2.65%		--
3½s 1973	M-N	--	--	2.70
2¾s 1974-1977	M-N	b2.75 to 2.90%		--
2.90s 1978 1980	M-N	b2.95 to 3.00%		--
3s 1981-1988	M-N	b3.00 to 3.20%		--
Veteran's Bonds Act of 1956 series S—				
5s 1964-1966	A-O	b1.80 to 2.15%		--
4s 1967		--	--	2.30
3¼s 1968-1973		b2.40 to 2.70%		--
3½s 1974-1984		b2.75 to 3.05%		--
Veterans' Bonds Act of 1958 series U				
5s 1964-1966	F-A	b1.80 to 2.15%		--
4¾s 1967	F-A	--	--	2.30
3½s 1968-1970	F-A	b2.40 to 2.70%		--
3¾s 1971-1978	F-A	b2.00 to 3.00%		--
4s 1979-1980	F-A	b3.00 to 3.05%		--
4s 1981-85 opt 1980	F-A	b3.05 to 3.15%		--
Veterans' (dated July 1 1962)				
5s 1964-1974	F-A	b1.80 to 2.75%		--
3s 1975-1979	F-A	b2.80 to 2.95%		--
3¼s 1980-1982	F-A	--	--	3.00
3.30s 1983-1985 opt '83	F-A	b3.05 to 3.10%		--
3.40s 1986-1987 opt '83	F-A	b3.15 to 3.20%		--
¼s 1988 opt '83	F-A	--	--	4.25
Veterans' and State School Building Aid—				
5s 1964-1967	M-S	b1.80 to 2.30%		--
3¼s 1968-1971	M-S	b2.40 to 2.60%		--
3½s 1972-1976	M-S	b2.65 to 2.85%		--
3¾s 1977-1982	M-S	b2.95 to 3.05%		--
4s 1983-1986	M-S	b3.10 to 3.20%		--
Toll Bridge Authority—				
Carquinez Strait Bridges Toll Bridge Revenue—				
3¾s 1995	M-S	104	104½	--
4⅜s ser B 1995	M-S	106	106¾	--
Richmond-San Rafael Brge				
3⅞s rev ser A 1992	M-S	103	104¼	--
Imperial Irrigation District—				
Electric Rev (9th issue)				
2s 1964-71	J-J	b2.00 to 3.35%		--
1¾s 1972-76	J-J	b3.55 to 3.75%		--
Electric Revenue—				
1st division (10th issue)				
2¾s 1964-70	J-J	b2.00 to 2.80%		--
3s 1971-78	J-J	b2.90 to 3.40%		--
2¾s 1979	J-J	--	--	3.60
2nd division (10th series)				
2¾s 1964-66	J-J	b2.00 to 2.40%		--
3s 1967-80	J-J	b2.50 to 3.50%		--
2¾s 1981	J-J	--	--	3.70
Los Angeles (City)—				
3½s water wks 1964-75		b1.75 to 2.90%		--
4¼s water 1964-70	A-O	b1.75 to 2.60%		--
4s 1964-68	J-J	b1.75 to 2.40%		--
4¾s 1964-69	M-S	b1.75 to 2.50%		--
2s 1968-87	A-O	b2.60 to 3.75%		--
Refunding rev issue of 1943				
1½s June 1 1976		--	--	3.60
Issue of 1944				
1¾s 1964-76	F-A	b1.75 to 3.50%		--
3rd issues of 1944				
1¾s 1964-68	A-O	b1.75 to 2.70%		--
2s 1969-75	A-O	b2.70 to 3.40%		--
1¾s 1976-78	A-O	b3.50 to 3.60%		--
Issue of 1949				
2¼s 1965-72	M-N	b2.00 to 3.05%		--
2½s 1973-85	M-N	b3.10 to 3.50%		--
2¼s 1986-89	M-N	--	--	3.60
Elec Plant Rev (1952 issue)				
2¼s 1973-84	J-D	b3.10 to 3.60%		--
2½s 1985-92	J-D	b3.50 to 3.65%		--
Elec Plant Rev (1953 issue)				
2¼s 1964-68	A-O	b1.75 to 2.50%		--
2½s 1969-77	A-O	b2.50 to 3.25%		--
2¾s 1978-83	A-O	b3.15 to 3.40%		--

Bonds—		Yield Basis or To Bid	Ask	Net
Los Angeles (City)—				
Elec Plant Rev (1954 issue)				
2.00s 1965-1968	A-O	b2.00 to 2.60%		--
2¼s 1969-1973	A-O	b2.60 to 3.10%		--
2½s 1974-1977	A-O	b3.10 to 3.25%		--
2.70s 1982-1984	A-O	--	--	3.25
Flood Control District				
3¼s May 1 1964-1983		b1.75 to 3.10%		--
Unified School District City Junior College Dist				
4s 1964-1970	F-A	b1.75 to 2.60%		--
3¼s 1971-1982	F-A	b2.65 to 3.10%		--
3.40s 1983-1985	F-A	b3.10 to 3.15%		--
2½s 1986-1987	F-A	--	--	3.50
Water Wks Rev (issue of '49)				
2¼s 1968-78	M-N	b2.50 to 3.40%		--
2½s 1979-89	M-N	b3.30 to 3.60%		--
Los Ang City High Sch Dist—				
2½s 1964-72	J-J	b1.75 to 2.90%		--
2s 1964-72	J-J	b1.75 to 3.10%		--
Election 1952 series C—				
2½s 1964-1979	J-J	b1.75 to 3.30%		--
Election 1958 series F—				
4s 1964-1985	J-D	b1.75 to 3.20%		--
Los Angeles County Flood Control District—				
2½s 1964-94	A-O	b1.75 to 3.65%		--
2¼s 1964-83	M-N	b1.75 to 3.60%		--
3¾s 1964-83	M-N	b1.75 to 3.10%		--
4s 1964-89	M-S	b1.75 to 3.25%		--
3¼s 1964-89	M-S	b1.75 to 3.25%		--
Los Angeles Metro Transit Authority—				
5¾s March 1 1983		110¼	111¼	--
Metropolitan Water District of Southern California—				
Waterworks Bonds				
3.10s Nov 1 1964-70		b1.75 to 2.60%		--
Oroville-Wyandotte				
Irrig District 4½s 2006		114	116	--
San Diego—				
Water system extension				
1¾s June 1 1964-1968		b1.90 to 2.00%		--
2s June 1 1967-76		b2.35 to 3.10%		--
San Fran (City & County)—				
5s water 1964-69	J-J	b1.80 to 2.40%		--
4½s water 1964-77	J-J	b1.80 to 2.85%		--
Airport bonds (1945 ser C)				
2½s 1964-68	F-A	b1.80 to 2.30%		--
Various purposes Dated April 1 1963				
6s 1964-1966	A-O	b1.80 to 2.10%		--
2s 1967-1968	A-O	b2.20 to 2.35%		--
2¼s 1969-1971	A-O	b2.40 to 2.60%		--
2½s 1972-1976	A-O	b2.30 to 2.90%		--
2¾s 1977-1983	A-O	b2.85 to 3.10%		--
Hetch Hetchey 4½s 1967-77		b2.20 to 2.85%		--
Spring Val 4½s 1967-69	J-J	b2.20 to 2.40%		--

CANADA
See page 82

COLORADO

Bonds—		Yield Basis or To Bid	Ask	Net
Colorado (State of)—				
State H'way Fund Revenue Anticipating warrants—				
2¼s 1964-1971	J-J	b1.90 to 2.90%		--
State H'way fund rev ref—				
3s 1964-1967	J-J	b1.90 to 2.30%		--
2.60s 1968	J-J	--	--	3.40
2.40s 1969	J-J	--	--	2.50
2½s 1970	J-J	--	--	2.60
2.60s 1971-1972	J-J	b2.70 to 2.85%		--
2.65s 1973	J-J	--	--	2.75
2¾s 1974-1975	J-J	b2.90 to 2.95%		--
Colorado Springs (City)—				
Utility Revenue—				
1.70s 1964-66		b1.90 to 2.20%		--
1.75s 1967-72	M-N	b2.30 to 3.00%		--
1¾s 1964-1971	M-N	b1.90 to 2.95%		--
2s 1972-1974	M-N	b3.00 to 3.05%		--
2.10s 1975-1977	M-N	b3.05 to 3.20%		--
2¼s 1978-1982	M-N	b3.20 to 3.30%		--
Denver (gen oblig)—				
1.70s 1965-68	A-O	b2.10 to 2.40%		--
1¾s 1964-68	M-N	b1.90 to 2.40%		--
School District No. 1				
2.10s 1964-67	A-O	b1.90 to 2.30%		--

Bonds—		Yield Basis or To Bid	Ask	Net
Water bonds—				
4½s 1972-1975	A-O	b2.75 to 2.90%		--
3.20s 1976-1978	A-O	b2.90 to 2.95%		--
3s 1979-1984	A-O	b3.00 to 3.25%		--
3.10s 1985-1989	A-O	b3.20 to 3.35%		--
3¼s 1992-1993	A-O	b3.45 to 3.50%		--
3.30s 1994-1999	A-O	b3.50 to 3.60%		--
El Paso County— School District No. 11				
1¾s 1964-65	M-S	b1.90 to 2.10%		--

CONNECTICUT

3.10s 1964-1980	J-J	b1.70 to 2.85%		--
3⅜s 1964-1988	A-O	b1.70 to 3.15%		--
3¼s 1964-1981	J-J	b1.70 to 2.90%		--
3⅛s 1964-1982	J-J	b1.70 to 2.95%		--
3s 1964-1979	M-N	b1.70 to 2.85%		--
2.60s July 1 1968-1975		b2.25 to 2.80%		
2⅝s 1964-1977	F-A	b1.70 to 2.85%		--
2½s 1964-1978	J-D	b1.70 to 2.85%		--
2s 1964-1974	M-N	b1.70 to 2.80%		--
1¾s 1964-1984	A-O	b1.80 to 3.25%		--
1¼s 1964-1970	M-N	b1.95 to 3.05%		--
Expressway Rev & Motor Fuel Tax— Greenwich-Killingly— Fourth Series				
6s 1964-1966	J-J	b1.80 to 2.15%		--
4s 1967-1968	J-J	b2.20 to 2.55%		--
3¾s 1969-1973	J-J	b2.60 to 2.80%		--
3⅝s 1974-1975	J-J	b2.85 to 2.95%		--
3½s 1976-1989	J-J	b3.05 to 3.25%		--
3.60s 1990-1991	J-J	--	--	3.30
3⅝s 1992-1993	J-J	--	--	3.35
3.65s 1994-1997	J-J	--	--	3.40
Sixth Series				
3¼s 1968-1981	J-J	b2.60 to 3.05%		--
3.30s 1982-1989	J-J	b3.10 to 3.35%		--
3½s 1990-1997	J-J	b3.40 to 3.50%		--
Seventh Series				
6s 1964-1966	J-J	b1.70 to 1.95%		--
4¾s 1967	J-J	--	--	2.15
6s 1968-1969	J-J	b2.25 to 2.35%		--
5s 1970-1974	J-J	b2.45 to 2.70%		--
4½s 1975-1977	J-J	b2.75 to 2.90%		--
4.20s 1978-1988	J-J	b2.95 to 3.25%		--
4¼s 1989-1997	J-J	b3.30 to 3.60%		--
Gen Obl Highway System				
3¼s 1967-1968	J-D	b2.10 to 2.20%		--
2¼s 1969-1971	J-D	b2.30 to 2.45%		--
2½s 1972-1975	J-D	b2.50 to 2.65%		--
2.60s 1976-1977	J-D	b2.75 to 2.90%		--
2¾s 1978-1980	J-D	b2.90 to 3.05%		--
2.80s 1981-1983	J-D	b3.10 to 3.25%		--
Hartford (City of)—				
2.65s 1964-1983	M-N	b1.70 to 3.05%		--
Hartford County— Metropolitan District—				
2¼s 1964-78	J-J	b1.70 to 3.30%		--
2s 1964-89	M-N	b1.70 to 3.80%		--
Meriden 1.40s 1964-70	A-O	b1.85 to 2.90%		--
New Haven 1¾s 1964-68	F-A	b1.80 to 2.55%		--
1.40s 1964-69	J-J	b1.85 to 2.70%		--
1.70s gen imp 1964-71	J-J	b1.70 to 2.95%		--
Gen Pub Corp 3s '64-81	A-O	b1.70 to 3.00%		--
Norwalk (City)—				
3.40s 1964-1979	M-N	b1.80 to 3.05%		--
Stamford (City)—				
2s school 1964-68	F-A	b1.85 to 2.60%		--
Waterbury 5s 1964-71	M-N	b1.70 to 2.75%		--
1.30s 1964-71	M-S	b1.80 to 3.05%		--
1¾s 1964-1979	M-N	b1.80 to 3.35%		--

DELAWARE

3.40s various 1964-1977	M-S	b1.75 to 2.90%		--
3.30s Sept 1 1964-1978		b1.75 to 2.90%		--
3¼s April 1 1964-1980		b1.75 to 2.95%		--
3s 1964-1979	A-O	b1.75 to 2.95%		--
2.90s 1964-1982	M-S	b1.75 to 3.00%		--
2.80s 1964-1982	A-O	b1.75 to 3.00%		--
2¾s March 15 1964-1977		b1.75 to 2.90%		--
1.60s 1964-1971	M-N	b1.80 to 3.05%		--
1½s 1968	J-J	--	--	2.50
Delaware Memorial Bridge—				
4s 1978		103¼	104	--
Delaware Turnpike rev				
4½s 2002	J-J	107¾	108¾	--
Highway and Capital Imp—				
1.40s 1964-1968	J-D	b1.85 to 2.75%		--
1.40s 1969	J-D	--	--	2.80
Sussex Co 1½s 1964-73	M-N	b1.85 to 3.20%		--
Wilmington 1.70s 1964-81	J-D	b1.80 to 3.45%		--

‡ Called Sept 1 at 104. a Called for redemption, see page 94. b Basis. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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STATE AND MUNICIPAL BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
FLORIDA			
Florida Develop Commission—			
Pinellas County Road & Bridge revenue			
5s 1965-1974 J-D	—	—	3.40
4.85s 1974-1989 J-D	—	—	4.10
4.80s 1990 J-D	—	—	4.10
Palm Beach County Road & Bridge rev 3.65s 1983 F-A	100	102	—
University System Imp Rev			
4¼s 1965-1983 F-A	—	—	3.80
4.15s 1984 F-A	—	—	3.90
4.10s 1985-1986 F-A	—	—	3.95
4.15s 1987-1990 F-A	—	—	4.00
Florida State Turnpike Auth—			
4¾s (1961 series) 2001 M-N	111¼	112¼	—
FSIC Lower Tampa Bay—			
Bridge rev 3¾s Sept 1 1981	100	103	—
Coral Gables—Ref of 1944			
3½s optional 1979	99	—	—
Dade County—			
Highway 5s 1964-66	—	—	2.75
Special Co Building—			
3⅜s 1972 F-A	—	—	3.10
Road Revenue—			
6s 1964-1969 F-A	—	—	3.00
4.10s 1970-1988 F-A	—	—	4.00
Port Authority (Ser B)			
4.70s 1999 A-O	108¾	109¾	—
Duval County—			
5¾s 1964-1966 A-O	b2.75	2.00%	—
3.30s 1967-1980 A-O	—	—	3.30
Ft Lauderdale—			
4s refunding 1964-71 J-J	—	—	3.25
Wat & Sew rev 4½s			
1980-1985 M-S	‡—	—	3.75
Fort Myers ref 3s 1978	—	—	3.75
Ft Pierce—			
Wat & El rev 4s 1987 A-O	—	—	3.80
Jacksonville—			
Electric revenue certificates			
2¼s 1964-72 J-J	b2.75	2.50%	—
Util tax rev 4.60s 1994 J-J	110	—	—
Expressway Rev series 1957			
3.90s 1968-1971 J-J	—	—	3.60
4s 1972-1977 J-J	—	—	3.75
Elec rev ctfs 1963—			
2.70s 1970-1971 J-J	b2.80	2.65%	—
2¾s July 1 1973	b2.90	2.75%	—
2.90s 1974-1975 J-J	b2.95	2.80%	—
3s July 1 1976	100	101	—
Jacksonville Expressway—			
Revenue 4¼s July 1 1992	108½	110	—
Miami (City of)—			
Wat Rev 2s Dec 1 1967	—	—	3.00
Wat Rev 2⅞s 1980-82 J-D	3.65	3.45	—
Sewer rev 4.30s 1993 J-J	102	—	—
Orlando Util com 3¼s '80 A-O	b3.30	3.20%	—
St Petersburg—			
2¾s non-call ref 1979 M-S	90	—	—
Utility Tax ctfs (1963 issue)			
3.40s 1964-1966 A-O	b2.55	2.30%	—
5s 1967-72 A-O	b3.00	2.90%	—
3.40s 1973-1982 A-O	b3.30	3.20%	—
1.10s 1983 A-O	—	—	4.50
Sanford ref 1½s-2½s 1977	70	—	—
Tampa—			
Special Obligation—			
Cap imp 3.70s 1983 A-O	—	—	3.60
Sewer rev 2¾s 1985	—	—	3.90
Sewer rev 3¼s 1985	—	—	3.80
Sewer revenue 1962 series			
5s 1966-1975 F-A	—	—	3.30
4s 1976 F-A	—	—	3.50
3½s 1977-1982 F-A	—	—	3.70
3¼s 1983-1986 F-A	—	—	3.75
3.40s 1987-1992 F-A	—	—	3.90
3½s 1993-2000 F-A	—	—	4.00
3s 2001-2002 F-A	—	—	4.10
Vero Beach ref 3s 1979	85	—	—
West Palm Beach (City of)—			
Wat & Sewer rev ser A			
3¾s 1964-84	3.70	3.40	—
FOREIGN GOVERNMENTS AND CITIES			
Over-the-Counter issues			
Bank of Colombia 7s 1947 A-O	f109	—	—
Sinking fund 7s 1948 A-O	f109	—	—
Bogota (City of)—			
External s f 8s 1945	f138	—	—
Bogota (Municipality of)—			
Power & Light 6s Apr 1947	f138	—	—
Bolivia (Rep) Ext 8s 1947 M-N	f17	18	—
External 7s 1958 J-J	f17	18	—
External s f 7s 1969 M-S	f17	18	—
Adjustment 1-3s 1993 J-J	f11	11¾	—
Brazil United States—			
5s of 1931 due 1951	90	—	—
British—See Great Britain			
Caldas Extl s f 7½s 1946 J-J	f119	—	—
Cali (Colom) s f 7s 1947 M-N	122	—	—
30-yr s f $ bonds 3s '78 J-J	60	64	—
Callao (Peru) 7⅛s 1944 J-J	98	—	—
Carlsbad (City of)—			
4s extended to Jan 1966	f5	—	—
External s f 8s Jan 1954	f45	—	—
Ceara (Brazil) 8s 1947 J-D	f13	—	—
Great Britain—			
All British issues are quoted in U S dollars per £20 principal amount flat			
Prices are per bonds with American Ownership Certificates			
2½s Annuities	25¼	—	—
2½s "Consols"	25¼	—	—
4s "Consols"	39¼	—	—
3s fund loan 1969 opt 1959	51	—	—
Great Britain—			
4s fund loan 1990 opt 1960	52	—	—
3s savings bds 1965 opt 1955	54⅛	—	—
3s savings bds 1970 opt 1960	49	—	—
4s victory bonds of 1919	53½	—	—
3½s war loan 1952	34¾	—	—
Greater Prague (City of)—			
6s extended to Nov 1960	f10	16	—
Israel (State of)—			
Independence issue			
3½s May 1966	97	98	—
Development issue			
4s 1969	97	98	—
II Development issue			
4s due 1974 and 1975	94	95	—
4s due 1976 and 1977	93¾	94¾	—
Lima (City) Peru—			
Extl s f 6½s 1958 M-S	90	—	—
Mexico (United Mex'n States)			
6¾s extl sf 1978 J-J	98⅜	98¾	—
Milan (City of)			
5½s extl loan 1978 J-J	—	97⅜	—
Montevideo (City) 7s 1952 J-D	f205	—	—
Extl s f 6s 1959 ser A M-N	f195	—	—
Mortgage Bank of Bogota—			
7s (issue of May 1927) 1947 M-N	f109	—	—
7s (issue of Oct 1927) 1947 A-O	f109	—	—
Panama (Republic of)—			
4.80s extl sec 1993 A-O	101	—	—
Prague (City of) 7½s 1952	f70	—	—
Rio de Janeiro—			
External 6s 1933 A-O	f85	—	—
Russian 6½s June 18 1919	f1¼	1⅝	—
5½s external loan Dec 1921	f1¼	1⅝	—
Santa Catharina (Brazil)—			
External s f 8s 1947 F-A	106	—	—
Santander (Dept) Colombia			
External s f 7s 1948 A-O	122	—	—
S f 3s July 1 1978	f59	—	—
Santiago (City) Chile 7s '49 J-J	98	—	—
External s f 7s 1961 M-N	98	—	—
Tolima (Dept of)—			
External s f 4s Nov. 1 1947	f123	—	—
United Kingdom of Gt Britain and Ireland—See Gt Britain			
Yugoslavia (Republic of)—			
5s 1st series Nov 1956	f26½	28½	—
CANADA			
All Canadian issues shown below are quoted in U S funds			
Quotations based on bonds bearing Certificate of American Ownership			
Government of Canada—			
Payable in U S currency			
2¾s Sept 1 1974	85½	87½	—
2¾s Sept 15 1975	84½	86½	—
Payable in Canadian currency			
4s May 1 1964	92¼	93¼	—
3¾s Sept 1 1965	91	92	—
4½s Dec 15 1966	92	93	—
4¼s June 1 1967	91¼	92¼	—
4¼s Jan 15 1968	91	92	—
2¾s June 15 1968 opt '67	86	87	—
5½s Apr 1 1969	95¼	96¼	—
3½s May 1 1970	86¼	87¼	—
4¼s Sept 1 1972	87¾	88¾	—
5½s Oct 1 1975	94½	95½	—
3¼s June 1 1976 opt '74	76½	77½	—
5½s April 1 1976	94½	95½	—
3¾s Jan 15 1978 opt '75	79½	80½	—
3¼s Oct 1 1979	73½	74½	—
4½s Sept 1 1983	85¼	86¼	—
5s June 1 1988	90⅛	91⅛	—
3¾s Mar 15 1998 opt '96	73½	75½	—
3s Sept 15 perp opt '66	63	65	—
Govt of Canada (Internal)			
Victory Loans—			
8th 3s Oct 1 1963 opt '59	92	94	—
9th 3s Sep 1 1966 opt '61	88½	90½	—
Alberta (Province)—			
2¾s Mar 1 1965	97¼	98¼	—
2¾s Mar 1 1967	94⅜	95⅜	—
2⅞s Mar 1 1970	91	92	—
2⅞s Mar 1 1972	88¾	89¾	—
Municipal Financing Corp			
4¾s May 15 1984 opt '69	101½	103	—
5s Dec 15 1984 opt '70	102	104	—
4⅞s June 15 1985 opt '70	102	104	—
British Columbia (Province)—			
4½s Jan 23 1969	100	101	—
3½s Aug 15 1976 opt '61	89	91	—
3⅝s Feb 15 1977 opt '62	90	92	—
3¾s June 15 1976 opt '61	91½	93½	—
3¾s June 15 1981 opt '61	89½	91½	—
4⅜s Apr 15 1982 opt '67	97	99	—
3¾s June 15 1986 opt '61	88	90	—
4⅜s Apr 15 1987 opt '67	97	99	—
Edmonton—			
3¾s May 1 1971	93	94½	—
3⅞s May 1 1975	92	93½	—
3⅞s May 1 1981	89	90½	—
5⅛s Dec 15 1978	101	103	—
4¾s Apr 15 1983	98	100	—
Manitoba—			
3½s June 15 1971 opt '57	92½	93½	—
5¼s Nov 15 1984 opt '74	106	108	—
Montreal (City of)—			
3⅞s May 1 1965	99	100	—
3s Oct 15 1967	93¾	94¾	—
3½s Oct 1 1970	92	93½	—
4½s Jan 1 1976	97½	99	—
5¼s Mar 1 1977 opt '67	102	104	—
4¾s Nov 1 1978 opt '68	99½	101	—
5s Nov 1 1978 opt '68	101½	103	—
5⅝s Nov 1 1979 opt '69	103	105	—
5⅜s June 1 1980 opt '70	102	104	—
Montreal Metropolitan			
Commission 5s May 1 1966	101	102	—
Montreal Metropolitan Corp—			
5⅝s Feb 1 1985 opt '70	102½	104½	—
Montreal Transportation—			
4¼s Jan 1 1973 opt '60	95	97	—
5¼s Mar 15 1977 opt '67	101½	103	—
New Brunswick (Province)—			
5⅜s s f debs 1985 F-A	103	105	—
Nova Scotia (Province)—			
3⅝s Mar 15 1964 opt '60	99¼	99¾	—
3¾s July 15 1966 opt '60	97¾	98½	—
3¾s Oct 1 1971 opt '60	94¼	95¼	—
3½s Jan 15 1972 opt '60	92⅜	93⅜	—
3½s Jan 2 1976 opt '66	90	91	—
5⅛s Apr 1 1980 opt '70	102¾	103¾	—
Ontario (Province)—			
2.80s Mar 15 1964	98¾	99½	—
3¼s May 15 1971 opt '60	91¾	92¾	—
3¼s Sept 1 1972 opt '60	90¾	91¾	—
3¼s Feb 1 1975 opt '60	89¼	90¼	—
3⅝s Nov 1 1978 opt '60	90½	91½	—
3⅛s Mar 15 1980 opt '60	84⅛	85⅛	—
3⅞s May 15 1981 opt '61	92½	93½	—
4s May 1 1983 opt '68	93	94	—
4¾s Feb 1 1984 opt '69	103	104	—
4s June 1 1965	99	99½	—
4s June 1 1967	98½	99	—
4½s May 15 1970	100⅛	101⅛	—
4s June 1 1971	97	98	—
Quebec (Province)—			
2⅞s Apr 1 1971	89¼	90¼	—
3¼s debs Dec 1 1972 opt '57	90¼	91¼	—
5⅜s Oct 1 1979 opt '74	105	108	—
Quebec Hydro Electric Com—			
4⅜s Feb 1 1977 opt '67	98	99½	—
3½s Dec 1 1978 opt '58	88¼	89¾	—
3½s Jan 1 1981 opt '61	87¼	88¾	—
4¼s Dec 1 1981 opt '66	96½	98	—
3¾s Feb 1 1983 opt '68	89½	91	—
5s July 15 1984 opt '69	104	105½	—
Saskatchewan—			
3⅛s Feb 1 1966	96½	97½	—
3⅛s Aug 15 1970	91¼	92¼	—
4s Apr 1 1973 opt '58	95¼	96½	—
3¼s June 1 1974 opt '72	88	89½	—
3¾s Jan 2 1976 opt '66	91½	93	—
4¾s Jan 2 1984 opt '74	101¾	103¼	—
Toronto (City of)—			
3¼s Dec 1 1963	99½	100	—
3¼s May 15 1966	97	97¾	—
3¼s May 15 1970	93	93¾	—
3½s Dec 1 1975	90¾	91¾	—
3½s Dec 1 1983	87	88	—
Toronto (Metropolitan)—			
4⅛s Aug 15 1976 opt '66	96¾	97¾	—
4⅞s July 1 1977 opt '72	104½	105½	—
4s July 1 1978 opt '73	95⅛	96⅛	—
4¾s Dec 15 1978 opt '73	103½	104½	—
5s June 1 1979 opt '74	106¼	107¼	—
5⅛s Mar 1 1980 opt '75	107	109	—
Vancouver—			
4½s Aug 1 1967	99	100	—
5s June 1 1969	99	101	—
5s Jan 15 1970	99	101	—
Greater Vancouver—			
W D 4½s Aug 1 1967	99	100	—
Greater Winnipeg—			
W D 5s Feb 15 1970	99½	101½	—
GEORGIA			
State Bridge Bldg Auth—			
Revenue series A of 1953—			
2.70s 1964-65 J-J	b1.75 to 2.00%		—
2.60s 1966-69 J-J	b2.20 to 2.70%		—
State Highway Authority—			
State Highway series 1961-A			
4½s 1964-1968 J-J	b1.75 to 2.60%		—
3.60s 1969-1975 J-J	b2.70 to 3.00%		—
3¾s 1976-1984 J-J	b3.05 to 3.40%		—
3.90s 1985-1991 J-J	b3.40 to 3.60%		—
State Highway Auth (ser B-61)			
4½s 1964-1972 J-J	b1.75 to 2.85%		—
3½s 1973-1979 J-J	b2.90 to 3.25%		—
3.70s 1980-1983 J-J	b3.30 to 3.40%		—
3¾s 1984-1990 J-J	b3.40 to 3.60%		—
State School Bldg Authority			
Rev 2.60s 1964-70 A-O	b1.75 to 2.80%		—
Revenue Series 1953 A—			
3.60s 1964-67 M-S	b1.75 to 2.50%		—
3.70s 1968-71 M-S	b2.60 to 2.90%		—
Revenue Series 1954 A—			
4s 1964 M-S	—	—	1.75
2½s 1965-68 M-S	b2.00 to 2.60%		—
2.70s 1969-70 M-S	b2.70 to 2.80%		—
2.80s 1971-74 M-S	b2.85 to 3.00%		—
Atlanta—			
2½s 1964-79 M-S	b1.75 to 3.15%		—
Wat Wks Rev (1954 ser)			
2½s April 1 1964-74	b1.75 to 2.85%		—
Wat Wks Rev (1955 ser)			
2¾s 1964-75 J-J	b1.75 to 3.00%		—
3¼s 1964-1986 J-D	b1.75 to 3.30%		—
Augusta (City)—			
2¾s 1964-78 J-D	b1.75 to 3.15%		—
Water Works Revenue			
Anticipating ctfs 1952 ser			
3s-2s-2-20s Aug 1 '64-72	b1.75 to 3.00%		—
Chatham Co 2s 1964-81 J-J	b1.75 to 3.40%		—
Coastal Highway District			
Savannah River Crossing			
3¾s Bdge Rev 1982 M-N	93	97	—
Columbus (City) 2s '64-77 A-O	b1.75 to 3.10%		—
De Kalb Co 2s 1964-77 J-J	b1.75 to 3.30%		—
Fulton Co 1½s 1964-76 J-J	b1.75 to 3.15%		—
3¼s 1964-1987 J-J	b1.75 to 3.30%		—
Macon (City of)—			
2½s gen oblig 1964-75 M-S	b1.75 to 3.10%		—
Muscogee County—			
School 2s 1964-70 J-J	b1.75 to 2.75%		—
School 2¼s 1971-80 J-J	b2.80 to 3.30%		—

a Called for redemption, see page 94. b Basis. f Flat price. k Last sale. n Nominal. r Canadian dollar value.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
Richmond (County)—			
Board of Ed 2¾s '64-79 J-J	b1.75 to 3.20%		—
Savannah 2½s 1964-67 J-D	b1.75 to 2.30%		—
2s 1964-1980 J-D	b1.75 to 3.40%		—
HAWAII			
State (G O)—			
Various 1964-77	b1.80 to 2.90%		—
Hwy rev various 1964-89	b2.00 to 3.50%		—
Aviation rev 4.30s 1984 J-J	105	—	—
3s 1964-1971 M-N	b2.00 to 3.05%		—
3¼s 1972-1977 M-N	b2.70 to 3.00%		—
3.40s 1978-1981 M-N	b3.05 to 3.15%		—
Gen oblig ser B of 1962			
2½s 1965-1972 M-N	b1.90 to 2.60%		—
2¾s 1973-1980 M-N	b2.65 to 3.00%		—
2.90s 1981-1982 M-N	b3.05 to 3.10%		—
Hawaii Harbor rev 1964-77	b2.00 to 3.00%		—
Hawaii County G O			
Various 1964-78	b1.80 to 2.95%		—
Water rev various 1964-81	b2.15 to 3.15%		—
Kauai County G O			
Various 1964-78	b2.00 to 3.05%		—
Maui County G O			
Various 1964-82	b2.00 to 3.25%		—
Honolulu G O			
Various 1964-84	b1.80 to 3.30%		—
Board Water Supply rev			
Various 1964-83	b2.00 to 3.25%		—
Honolulu (City & County)—			
General Obligations			
5s 1966-1975 M-N	b2.20 to 2.85%		—
3¾s 1976-1989 M-N	b2.90 to 3.35%		—
1s 1990-1991 M-N	—	—	4.35
Consol System Rev Ref & Imp Series D—			
6s 1964-1972 J-J	b1.75 to 2.90%		—
5s 1973 J-J	—	—	2.90
4½s 1974 J-J	—	—	2.95
3.70s 1975-1977 J-J	b3.05 to 3.15%		—
3½s 1978-1980 J-J	b3.20 to 3.30%		—
3.40s 1981-1982 J-J	—	—	3.40
3½s 1983-1984 J-J	—	—	3.45
1.10s 1985 J-J	—	—	4.30
ILLINOIS			
Illinois State Toll Hwy Comm Northern Ill Toll Hwy			
3¾s revenue 1995 J-J	94	95	—
4¾s revenue 1998 J-J	108½	109½	—
Illinois (various purposes)—			
4s 1964-1966 A-O	b1.40 to 1.90%		—
2¾s 1967-1975 A-O	b2.00 to 2.60%		—
3s 1976-1986 A-O	b2.65 to 3.00%		—
Various purposes ('62 issue)			
4s 1964-1966 J-D	b1.40 to 1.90%		—
2¾s 1967-1976 J-D	b2.00 to 2.60%		—
3s 1977-1987 J-D	b2.65 to 3.00%		—
Various purposes ('63 issue)			
2½s 1964-1969 A-O	b1.50 to 2.20%		—
2¾s 1970-1979 A-O	b2.30 to 2.75%		—
3s 1980-1988 A-O	b2.80 to 3.00%		—
Service Recognition ser A—			
1¾s 1964-72 M-N	b1.60 to 2.75%		—
Bloomington—			
Sewer rev 2½s 1964-70 M-N	b1.75 to 3.00%		—
Sewer rev 2¾s 1971-79	b3.05 to 3.30%		—
Chicago (City)—			
2½s 1968 opt 1964-68 J-J	b1.50 to 2.35%		—
2s 1964-70 J-J	b1.50 to 2.60%		—
1½s 1964-68 J-J	b1.50 to 2.50%		—
Board of Education—			
3⅜s 1964-1981 M-N	b1.70 to 3.15%		—
Sch bldg 3s 1964-73 M-S	b1.70 to 2.75%		—
Sch bldg 2¼s '64-74 M-N	b1.70 to 3.00%		—
Sch bldg 3⅝s '64-80 M-N	b1.70 to 3.10%		—
General Obligation			
3¼s 1964-1973 J-J	b1.70 to 2.70%		—
3½s 1974-1979 J-J	b2.75 to 3.00%		—
School Bldg of 1958—			
3¼s Dec 1 1964-78	b1.70 to 3.00%		—
School Bonds series D—			
2⅞s Oct 15 1965-'81 A-O	b2.00 to 3.20%		—
Hsg Auth 2⅜s June 1977	—	—	2.90
Sewer & Superhighway—			
1½s 1964-66 J-J	b1.70 to 2.90%		—
Transit Authority—			
Revenue series of 1947:			
3½s 1964-65 J-J	b2.00 to 2.60%		—
3⅝s 1966-72 J-J	b2.70 to 3.25%		—
3¾s 1978 J-J	101	102	—
Revenue series of 1952—			
4½s July 1 1982	104	105	—
Waterworks System—			
Ctfs of indebtedness			
4¼s 1964-1978 J-D	b1.80 to 3.10%		—
4s 1979-1984 J-D	b3.15 to 3.30%		—
3s 1971-1979 M-S	b2.75 to 3.10%		—
3⅜s 1973-1979 M-S	b2.85 to 3.10%		—
3⅛s 1982-1985 M-S	b3.25 to 3.30%		—
Calumet Skyway Toll Bridge			
3⅜s revenue 1995 J-J	f59	61	—
4⅜s revenue 1995 J-J	f72	74	—
Chicago-O'Hare Int Airport—			
4¾s revenue 1999 J-J	115¼	116¼	—
Chicago Regional Port Dist—			
4s revenue 1995 J-J	100½	101½	—
Chicago Sanitary District—			
2⅜s construction series 12—			
Jan 1 1968 opt '64-69 J-J	b1.70 to 2.60%		—
2s ref 1966 opt '64-65 J-J	b1.70 to 1.90%		—
2½s construction series 13—			
Jan 1 1969 opt '64-68	b1.70 to 2.50%		—
2¼s construction series 14—			
Jan 1 1969 opt '64-69	b1.70 to 2.60%		—
2⅛s construction series 16—			
Jan 1 1971 opt '64-69	b1.70 to 2.60%		—
2⅛s construction series 18—			
Jan 1 1971 opt '64-70	b1.70 to 2.70%		—
2¼s construction series 19—			
Jan 1 1972 opt '64-71	b1.70 to 2.80%		—
Cook County—			
Expressway series A			
2⅝s 1964-75 A-O			
Expressway series C	b1.70 to 3.00%		—
2¾s 1964-73 A-O	b1.70 to 2.75%		—
Expressway series E			
4s 1964-77 J-D	b1.70 to 3.00%		—
Cook County (Continued)—			
Expressway series G			
3¼s 1966-75 J-D	b2.10 to 2.90%		—
Expressway series H			
3½s 1964-76 A-O	b1.70 to 2.95%		—
Expressway series I—			
2⅞s 1964-1977 M-N	b1.70 to 3.10%		—
Public Bldg Commission			
Cook County (Public Bldg Rev Ser of '63)—			
4s 1966-1971 J-J	b2.20 to 2.75%		—
3¼s 1972-1979 J-J	b2.85 to par		—
3.30s 1980-1981 J-J	—	—	3.25
3⅜s 1982 J-J	—	—	3.30
3.40s 1983-1984 J-J	—	—	3.35
Superhighway bonds—			
2½s 1969 opt 1964-69	b1.70 to 2.60%		—
2⅛s ser B 1970 opt '64-70	b1.70 to 2.80%		—
2¼s ser C 1972 opt '64-70	b1.70 to 2.80%		—
3s ser D 1973 opt '64-72	b1.70 to 2.70%		—
Decatur (water rev)—			
2.10s Sept 1 1964-79	b2.00 to 3.40%		—
Evanston—			
Water Rev 2¼s 1964-73 J-J	b1.70 to 3.00%		—
Water Rev 2½s 1974-79 J-J	b3.10 to 3.30%		—
3½s gen oblig 1964-79 J-J	b1.60 to 3.00%		—
Springfield (City of)—			
Elec rev 2½s 1964-74 M-S	b1.65 to 2.85%		—
INDIANA			
Indiana Toll Road Comm—			
3½s 1994	92¾	93¾	—
Indiana Sanitary District—			
2⅜s of Jan 1 1964-'87	bPar to 3.60%		—
Ind State Office Bldg Comm			
4.20s 1980-88 J-J	b3.40 to 3.50%		—
East Chicago—			
2s sch dist 1964-69 J-J	bPar to 2.80%		—
Fort Wayne—			
Waterworks rev of 1951—			
2½s 1964-76 J-J	bPar to 3.30%		—
Indiana University—			
2½s 1964-69 M-N	bPar to 2.75%		—
Indianapolis Gas Util Rev—			
3½s 1964-1967 J-D	bPar to 2.45%		—
2⅞s 1964-1969 J-D	bPar to 2.60%		—
1⅞s sewer imp 1964-81 J-J	bPar to 4.00%		—
1⅝s sch bldg 1964-70 A-O	bPar to 3.50%		—
South Bend Housing Auth—			
3½s Aug 1 2000	99½	100½	—
IOWA			
Korean Service Compensation			
2½s Dec 1 1964-1976 J-D	b1.50 to 2.65%		—
Council Bluffs—			
1⅞s 1967-71 J-D	b2.20 to 2.80%		—
Des Moines—			
Lib Mem 2s 1964-71 J-D	b1.60 to 2.75%		—
Scott County—			
1¼s 1964-65	b1.70 to 2.10%		—
Waterloo (School Building)—			
1¾s 1964-69 M-N	b1.60 to 2.60%		—
KANSAS			
Kansas Turnpike Authority—			
3⅜s Turnpike Au 1994 A-O	90½	91½	—
Kansas City Expway Rev			
5s 1964-1970 M-N	b1.75 to 2.75%		—
4½s 1971-1973 M-N	b2.80 to 2.95%		—
4⅜s Terminal 1997 M-N	—	—	3.65
Lawrence (City of)—			
Wat & Sew Sys Rev ser A—			
2s 1964-72 A-O	b1.90 to 2.90%		—
2¼s 1973-83 A-O	b2.95 to 3.45%		—
Wichita (City of)—			
Board of Education—			
1¾s Feb 1 1964-69	b1.85 to 2.90%		—
Waterworks rev (series '57)			
5s 1964-70 A-O	b1.90 to 2.90%		—
4¼s 1971-76 A-O	b2.95 to 3.20%		—
4.40s 1977-79 A-O	b3.25 to 3.35%		—
4½s 1980-87 A-O	b3.40 to 3.60%		—
KENTUCKY			
Commonwealth of Kentucky—			
G O Highway			
3s 1964-1967 J-J	b1.90 to 2.25%		—
2.90s 1968-1969 J-J	b2.35 to 2.50%		—
3s 1964-1967 J-J	b2.55 to 2.75%		—
3s 1973-1986 J-J	b2.90 to 3.45%		—
G O Park & Hwy purposes			
3.60s 1970-1971 J-J	b2.70 to 2.80%		—
3.60s 3¾s 1972 J-J	—	—	2.85
3.60s 3¾s 1973 J-J	—	—	3.00
3.60s 1974-1990 J-J	b3.10 to 3.65%		—
Veterans Bonus Bonds—			
3¾s 1964-1972 J-J	b2.00 to 2.90%		—
3½s 1973-1981 J-J	b3.00 to 3.25%		—
3.60s 1982-1985 J-J	b3.35 to 3.45%		—
3.70s 1986-1987 J-J	b3.50 to 3.60%		—
3¾s 1988-1990 J-J	b3.65 to 3.70%		—
Bridge Revenue—			
Project No. 18 3¼s 1983	101	102½	—
Project No. 19 3½s 1984	98	100	—
Turnpike Revenue—			
3.40s (series 1954) 1994 J-J	100½	101½	—
Turnpike Toll Road—			
4.85s July 1 2000	113	114	—
Highway Authority—			
Eastern Ky Toll Road Rev—			
4.80s 2000 J-J	112	113½	—
Voted Veterans Bonus—			
3s 1974-1976 J-J	b3.00 to 3.20%		—
3⅝s 1977-1982 J-J	b3.30 to 3.50%		—
3.40s 1983-1989 J-J	b3.50 to 3.65%		—
1.10s 1990 J-J	—	—	4.25
Covington 2¼s 1964-86 J-J	b2.20 to 3.85%		—
School Dist 3½s 1964-65 J-J	b2.20 to 2.50%		—
3s 1966-1980 J-J	b2.60 to 3.65%		—
3¼s 1981-1996 J-J	b3.75 to 4.50%		—
Frankfort—			
Elec Light & Pow Rev			
2½s 1966 J-J	b2.90 to 2.80%		—
2¾s 1970 J-J	b3.30 to 3.20%		—
3s 1975-1984 J-J	b3.40 to 3.70%		—
Henderson (City of)—			
Elec Light & Pow Rev			
2¾s 1964-1976 J-D	b2.40 to 3.40%		—
3s 1977-1985 J-D	b3.50 to 3.75%		—
Jefferson County—			
School Bldg rev 2¾s 1970	b3.25 to 3.35%		—
2¾s 1964-1973	b2.10 to 3.15%		—
Louisville—			
4½s sewer 1969 J-D	b2.65 to 2.75%		—
4¼s ref 1965 J-D	b2.30 to 2.20%		—
4¼s Jan 1 1970 J-J	b2.75 to 2.65%		—
1¾s June 1 1976-87	b3.30 to 3.75%		—
Water Revenue			
2.40s 1964-1965 M-N	b2.10 to 2.30%		—
2.40s 1966-70 M-N	b2.30 to 3.00%		—
2.40s 1971-74 M-N	b3.15 to 3.30%		—
2½s 1978-84 M-N	b3.30 to 3.60%		—
Louisville & Jefferson County Metropolitan Sewer Dist—			
Sewer Revenue (series 1949)			
2s 1964-73 M-S	b2.10 to 3.30%		—
1¾s 1974 M-S	b3.50 to 3.40%		—
2½s 1975-94	b3.40 to 3.80%		—
4s 1990 M-S	—	—	3.70
Owensboro (City of)—			
Elec Lt & Pow rev ('51 ser)			
2½s 1964-68 M-S	b3.00 to 2.10%		—
2¾s 1969-78 M-S	b3.10 to 3.60%		—
Electric Light & Power rev Station No 2 series			
3.90s Jan 1 1991	102½	103½	—
Paducah 4½s w w 1970 A-O	b3.45 to 3.30%		—
Electric—			
4½s 1969	b3.20 to 3.10%		—
4¼s 1972	b3.40 to 3.30%		—
4s 1973-1978	b3.25 to 3.50%		—
3.90s 1979-1982	b3.60 to 3.70%		—
4s 1983-1985	b3.75 to 3.80%		—
3½s 1986-1988	b3.80 to 3.85%		—
LOUISIANA			
Louisiana Fiscal Authority—			
4¼s 1965-1982 J-J	b2.50 to 3.50%		—
4.30s 1983-1987 J-J	b3.50 to 3.75%		—
Fiscal Authority (series D)			
4½s 1964-1967 M-S	b1.70 to 2.40%		—
3⅜s 1968-1982 M-S	b2.50 to 3.50%		—
2½s 1983 M-S	—	—	3.55
Chef Menteur Hammond & New Orleans Highway—			
3½s ser C dated Jan 1 1938 matures in 5 yrs	b2.50	2.30%	—
Highway 3¾s series Q—			
Dated Jan 1 1937 matures in 4½ years	b2.50	2.30%	—
Refunding 3¼s dated Aug 1 1938 matures in 5 years	b2.40	2.25%	—
Institutional Improvement—			
1¼s ser B dated May 1 '46			
Matures in 5 years	b2.70	2.50%	—
Matures in 10 years	b3.00	2.80%	—
Highway 3¾s series S—			
Dated July 1 '37 due in 5 yrs	b2.50	2.30%	—
Highway 2½s series HH—			
Dated Jan 1 1947—			
Due in 5 years	b2.50	2.30%	—
Due in 10 years	b2.80	2.60%	—
Highway 2½s ser 1-B—			
Dated Nov 1 1949—			
Due in 5 years (opt at 102)	b2.50	2.30%	—
Highway 1½s series EE—			
Dated July 1 1943—			
Due in 5 yrs (opt at 100)	b2.70	2.50%	—
Public Bldg series C			
5s 1964-1970 M-S	b1.75 to 2.70%		—
4s 1971-1975 M-S	b2.75 to 3.05%		—
3¼s 1976-1984 M-S	b3.10 to 3.30%		—
Veterans refunding bonus—			
2¾s dated Jan 15 1953—			
Mature in 5 years	b2.50	2.30%	—
2.20s matures in 6 yrs	b2.60	2.40%	—
2.10s matures in 8 yrs	b2.80	2.60%	—
Board of Commissioners of the Port of New Orleans			
6s 1972-1976 J-J	b2.70 to 2.90%		—
3½s 1977-1995 J-J	b2.95 to Par		—
Ascension St James Bridge and Ferry Authority—			
4.45% bdge rev 2001 M-N	104	106	—
Atchafalaya Levee District—			
5s Sept 1964-72 M-S	b1.70 to 3.00%		—
Caddo Parish—			
Wide S D 2½s 1964-76	b1.85 to 3.10%		—
East Baton Rouge Parish—			
Consol Sch Dist No 1:			
2½s Feb 1 1966	99	100	—
Recreation & Park Com—			
2½s 1964-68 A-O	b1.70 to 2.70%		—
Greater Baton Rouge Port—			
2¾s ser A 1964-68 M-N	b1.80 to 2.80%		—
2.60s ser A 1969-73 M-N	b2.90	3.10%	—
2¾s ser A 1974-85 M-N	b3.20	3.60%	—
2.80s ser 1986-94 M-N	b3.70 to 3.80%		—
3¼s series B 1965-71 M-N	b2.20 to 2.90%		—
3.30s series B 1972-77 M-N	b3.00 to 3.30%		—
Greater New Orleans Exp'wy—			
4s Nov 1 1994	103	105	—
Mississippi River Bdge Auth—			
3.60 Bridge rev 1994 M-N	103	104	—
Monroe 2¼s 1965-72 M-N	b2.80 to 3.20%		—
New Orleans—			
4½s serial gold 1964-80	b1.80 to 3.30%		—
2¾s 1964-69 M-N	b1.80 to 2.80%		—
2½s 1970-89 M-N	b3.00 to 3.60%		—
Union Passenger Term Rev			
3s 1964-67 J-J	b1.80 to 2.70%		—
2¾s 1968-78 J-J	b2.80 to 3.20%		—
2½s 1979-87 J-J	b3.30 to 3.60%		—
2s 1998 J-J	—	—	3.75
Orleans Parish—			
School bonds series B—			
2¾s 1964-73 M-N	b1,80 to 2.90%		—
3s 1974-92 M-N	b3.00 to 3.80%		—

a Called for redemption, see page 94. f Flat price.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
Shreveport—			
5s Dec 1 1964-69 J-D	b1.80 to 2.90%		--
1¾s 1964-67 J-J	b1.80 to 2.70%		--
MAINE			
3s 1964-1968 J-J	b1.60 to 2.10%		--
Gen Oblig 2¾s 1966-76 A-O	b1.90 to 2.10%		--
Gen Oblig H way & Bdge—			
1.90s 1964-67 A-O	b1.70 to 2.00%		--
1½s Aug 1 1967	--	--	2.10
Bangor Water 3¾s Mar 1 1998	b3.50 to 3.70%		--
Maine School Bldg Auth—			
4½s 1972	--	--	2.70
Maine Turnpike Authority—			
4s rev ref & ext 1989 J-J	101½	102⅞	--
Portland (City of)—			
1¾s July 1 1964-69	b2.20	2.00%	--
1.60s 1964-1971 M-N	b2.60 to 2.75%		--
Portland Water District—			
2s 1970	--	--	3.05
2⅞s 1978	--	--	3.15
1¾s 1972	--	--	3.20
MARYLAND			
Bridge & Tunnel Revenue			
Term 3s Oct 1 1994	102½	105	--
Northeastern Expressway Rev			
4⅛s 2002 J-J	108¼	110¾	--
Certificates of Indebtedness—			
3¼s 1964-1974 J-J	b2.00 to 2.85%		--
3s 1964-1975 J-J	b2.00 to 2.90%		--
2⅜s 1966-1978 A-O	b2.15 to 3.00%		--
2⅜s 1964-1973 M-N	b2.00 to 2.75%		--
1¾s certificates of indebtedness 1964-68 J-D	b2.00 to 2.70%		--
1¼s 1964-66 M-S	b2.10 to 2.40%		--
State Roads Commission			
Revenue series E—			
2½s 1964-66 F-A	b2.10 to 2.50%		--
2.60s 1967-68 F-A	b2.40 to 2.65%		--
Allegany County—			
1.90s 1964-74 J-J	b2.15 to 3.50%		--
Anne Arundel County—			
2¼s 1964-66 M-N	b2.20 to 2.70%		--
2.40s 1968-73 M-N	b2.60 to 3.20%		--
1¾s 1969 M-S	--	--	3.20
Baltimore 3½s 1964-69	b2.00 to 2.65%		--
3½s water 1970-1981 M-N	b2.75 to 3.20%		--
1½s 1964-72 M-N	b2.00 to 3.40%		--
1½s 1976 M-N	--	--	3.50
1½s 1979 J-D	--	--	3.65
1¾s 1964-77 M-N	b2.00 to 3.50%		--
Baltimore County—			
1¾s 1964-65 M-N	b2.00 to 2.40%		--
Metropolitan District—			
1½s 1964-65 F-A	b2.10 to 2.50%		--
1.60s 1966-83 F-A	b2.90 to 3.80%		--
1½s 1965-76 M-N	b2.50 to 3.65%		--
Issues dated Jan 1 1950—			
2s Jan 1 1964-81	b2.00 to 3.75%		--
2¼s Jan 1 1982-87	b3.60 to 3.70%		--
Issue dated June 1 1951—			
2½s 1964-1991 J-D	b2.00 to 3.85%		--
Pub Fac 2.30s 1964-81 J-D	b2.00 to 3.60%		--
Hagerstown 1½s 1967	--	--	2.90
Harford County (Public			
Sch Const) 2s 1964-73 J-J	b2.00 to 3.25%		--
Montgomery County—			
4½s 1964-68 M-N	b2.10 to 2.65%		--
3s 1964-68 M-S	b2.10 to 2.65%		--
Refunding of '45 series 8			
1½s 1964-73 M-S	b2.20 to 3.40%		--
Gen imp 2½s 1964-72 M-N	b2.00 to 3.10%		--
Prince George's County—			
1½s 1967	--	--	3.10
Washington Sub San Dist—			
2.70s Oct 1 1964-87	b2.15 to 3.75%		--
2.40s Aug 1 1964-67	b2.15 to 2.70%		--
2¼s 1964-68 J-D	b2.15 to 2.90%		--
MASSACHUSETTS			
Mass Authority Turnpike Rev			
(ser 1954) 3.30s May 1 '94	98	99	--
4¾s ser A Jan 1 2002	112	114	--
4-5s ser B Jan 1 2002	108½	109½	--
2¾s 1962-2005 F-A	--	--	3.80
2½s 1964-1976 F-A	b1.80 to 3.00%		--
3¾s 1964-1978 A-O	b1.80 to 2.90%		--
Tunnel Revenue—			
4¾s Apr 1 1999	112	113	--
Mass Port Authority—			
4¾s rev ser A 1998	112	113	--
Highway Imp & Capital outlay			
3½s Feb 1 1964-2009 F-A	b1.80 to 3.60%		--
3½s 1964-2010 A-O	b1.80 to 3.60%		--
Various Bonds—			
3.30s 1964-2009 A-O	b1.80 to 3.60%		--
3.10s capital outlay 64-77 A-O	b1.70 to 2.80%		--
3.10s various 1964-82 A-O	b1.80 to 3.05%		--
3s 1979-1998 J-D	b3.00 to 3.40%		--
3s May 1 1964-2002	b1.80 to 3.50%		--
2.80s May 1 1964-1983	b1.80 to 3.00%		--
2.30s Highway 1964-75 M-N	b1.80 to 2.75%		--
2¼s 1964-1978 J-D	b1.80 to 3.15%		--
1.90s 1964-67 M-S	b1.80 to 2.50%		--
1.70s 1964-70 M-S	b1.80 to 2.90%		--
1¾s 1964-79 J-J	b1.80 to 3.60%		--
1.60s 1964-69	b1.80 to 2.90%		--
Reg 1½s Jan 1 1964-1972	b1.90 to 3.25%		--
1.30s 1964-70	b2.50 to 3.10%		--
Reg 1s 1964-65 M-S	b2.35 to 2.50%		--
Guaranteed Housing Authority			
1¾s 1964-69 J-J	b1.80 to 2.95%		--
1¾s 1970-91 J-J	b3.00 to 3.90%		--
1⅞s 1964-91 A-O	b1.80 to 3.90%		--
2s Oct 1 1964-91	b1.80 to 3.80%		--
2⅛s 1964-92 A-O	b1.80 to 3.80%		--
2½s 1964-92 A-O	b1.80 to 3.75%		--
Veterans' Services Fund—			
1¾s 1964-65 M-N	b1.80 to 1.95%		--
2.40s 1964-66 M-N	b1.80 to 2.20%		--
Highway Imp & Met Sew—			
2.10s 1964-75 M-N	b1.80 to 3.20%		--
Metropolitan Dist Wat Main—			
1.70s 1964-1981 M-N	b1.80 to 3.60%		--
Metropolitan Water Loan—			
2s reg 1964-68 J-J	b1.90 to 2.65%		--
1¼s 1964-66 M-S	b2.20 to 2.80%		--
1¾s 1964-69 J-J	b1.80 to 2.80%		--
1.70s 1964-77 A-O	b1.80 to 3.50%		--
Metropolitan Sewer Loan—			
1¼s 1964-68 M-S	b2.20 to 2.90%		--
1¾s Met Dist Wat 64-78 J-D	b1.80 to 3.50%		--
Capital Outlay bonds—			
3½s Oct 1 1964-1979	b1.80 to 3.00%		--
Metropolitan Water District—			
3.60s Oct 1 1964-1989	b1.80 to 3.30%		--
Boston—			
3s May 1 1992	--	--	3.60
2¾s 1964-1968 J-D	b1.90 to 2.70%		--
2¼s pub ways & sewers 1964-73 A-O	b1.90 to 3.30%		--
1¾s May 1 1964-77	b2.10 to 3.65%		--
1½s 1964-1976 J-D	b2.00 to 3.65%		--
1¼s 1964-78 F-A	b2.10 to 3.75%		--
Metropolitan District—			
1¼s 1964-69 M-S	b2.00 to 3.10%		--
1¾s 1964-69 F-A	b1.80 to 3.00%		--
1⅞s 1964-72 F-A	b1.80 to 3.20%		--
2s 1964-1980 J-D	b1.80 to 3.50%		--
Brockton 1½s 1964-70 M-N	b2.00 to 3.20%		--
Brookline 1½s 1964-79 J-D	b1.80 to 3.50%		--
Chicopee 2¾s 1964-68 M-N	b1.90 to 2.60%		--
Fall River (City of)—			
2s 1964-80 J-J	b1.90 to 3.50%		--
Framingham (Town of)—			
2.20s 1964-71 J-J	b1.80 to 2.80%		--
Gardner (City of)—			
2.20s 1964-71 J-J	b1.80 to 2.80%		--
Lexington (Town of)—			
1¾s 1964-1978 J-D	b2.00 to 3.00%		--
Lynn 2s 1964-69 M-S	b1.90 to 2.85%		--
Newton 2⅝s 1964-69 A-O	b1.80 to 2.50%		--
Pittsfield (City)—			
1.90s Vets Hous 1964-68 M-S	b1.80 to 2.85%		--
1.80s water 1964-68 J-J	b1.80 to 2.85%		--
Somerville 2½s 1964-69 J-J	b1.80 to 2.60%		--
Springfield—			
3.10s 1964-1981 J-J	b1.75 to 2.95%		--
2s new disp 1964-88 M-N	b1.75 to 3.45%		--
1.60s 1964-81 M-N	b1.75 to 3.60%		--
1¾s St & Sew 1964-79 J-D	b1.75 to 3.55%		--
Weymouth 1½s 1964-70 M-N	b2.00 to 3.00%		--
Worcester (City)—			
1¼s 1964-69 J-J	b1.90 to 2.90%		--
MICHIGAN			
Veteran Bonds—			
1½s Mar 15 1965 opt 1952	--	--	2.10
1¼s 1964-65 M-S	b1.80 to 2.20%		--
Detroit Expressway series III			
5s 1964-1965 M-S	b1.90 to 2.10%		--
3½s 1966 M-S	--	--	2.30
3s 1967-1972 M-S	b2.45 to 2.85%		--
3¼s 1973-1978 M-S	b2.90 to 3.15%		--
3⅜s 1979-1982 M-S	b3.15 to 3.20%		--
3½s 1983-1984 M-S	b3.25 to 3.30%		--
Limited Access Highways—			
Revenue bonds series I			
2½s 1964-65 A-O	b1.85 to 2.15%		--
2s 1966-76 A-O	b2.40 to 3.35%		--
Limited Access Highway			
Dedicated Tax series 1952			
2s 1965-71 A-O	b2.20 to 3.10%		--
Grand Rapids Expressway—			
Limited access			
1¾s 1965-69 A-O	b2.25 to 3.05%		--
2s 1970-75 A-O	b3.00 to 3.30%		--
2¼s 1976-78 A-O	b3.30 to 3.40%		--
Highway Construction series I			
3s 1965-1979 A-O	b2.10 to 3.10%		--
Trunk Line H'way (series I)—			
4s 1964-1965 F-A	b1.90 to 2.10%		--
3s 1966-1970 F-A	b2.30 to 2.75%		--
3¼s 1971-1978 F-A	b2.80 to 3.15%		--
3⅜s 1979-1982 F-A	b3.15 to 3.20%		--
Trunk Line H'way (series II)			
5s 1964-1968 M-S	b1.90 to 2.60%		--
4s 1969-1971 M-S	b2.65 to 2.80%		--
4¼s 1972-1976 M-S	b2.85 to 3.10%		--
Trunk Line H'way (series VII)			
5s 1964-1967 M-N	b1.90 to 2.45%		--
3¼s 1968-1971 M-N	b2.60 to 2.80%		--
3½s 1972-1976 M-N	b2.85 to 3.10%		--
3¾s 1977-1982 M-N	b3.15 to 3.25%		--
3⅞s 1983-1986 M-N	b3.30 to 3.35%		--
Korean Veterans'—			
2¼s 1964-1966 J-D	b1.80 to 2.15%		--
1¾s 1967-1970 J-D	b2.70 to 2.95%		--
Detroit—			
Public Sewer bonds—			
2s Dec 15 1964-65	b2.00 to 2.25%		--
2¼s Dec 15 1966-76	b2.35 to 3.40%		--
1½s Dec 15 1977-78	--	--	3.90
Pub Sew Pub Imp & Util Ltg			
5s 1964-1972 F-A	b2.00 to 2.95%		--
4s 1972 F-A	--	--	2.90
4¼s 1973 F-A	--	--	3.00
4s 1973-1978 F-A	b3.00 to 3.25%		--
4¼s 1979-1982 F-A	b3.30 to 3.45%		--
1s 1983-1985 F-A	--	--	4.15
Lansing (City of)—			
Elec Plant 1½s '64-74 M-N	b1.90 to 3.40%		--
Mackinac Bridge Authority—			
4s Bdge rev ser A 1994 J-J	102	103½	--
5¼s Jan 1 1994	106	107½	--
Midland (Water Revenues)—			
1¾s-2s-2¼s-3s 1964-75 M-S	b1.90 to 3.20%		--
Muskegon (Water Revenue)—			
3½s-1¾s-2s 1964-80 J-J	b1.90 to 3.65%		--
Royal Oak (City of)—			
Ref 2¾s 1964-65 M-S	b2.00 to 2.25%		--
Ref 2½% to 1965			
opt 3¼% to maturity	99½	--	--
Ref 3s-3¼s 1970-73			
optional 1960-61	99½	--	--
Saginaw Water Revenue—			
1½s-1¾s-2s 1964-76 M-S	b2.00 to 3.70%		--
Wayne (County of)—			
4¼s water 1964-65 M-N	b2.00 to 2.20%		--
4s wtr 1966-68 opt '65 M-N	102¼	--	--
MINNESOTA			
2¾s 1964-1983 F-A	b1.70 to 3.10%		--
Aeronautics ctfs of indebt—			
3.40s July 1 1964-1970	b1.70 to 2.50%		--
Trunk Highway			
2.90s 1964-1973 F-A	b1.70 to 2.75%		--
2½s 1964-1977 M-S	b1.70 to 2.85%		--
State Building—			
2.70s 1965-1974 J-J	b1.80 to 2.80%		--
3s 1975-1981 J-J	b2.85 to 3.00%		--
3.10s 1982-1983 J-J	b2.95 to 3.00%		--
State Building ctfs—			
3.50% May 1 1964-1979	b1.70 to 2.95%		--
Rural Credit Def Fund—			
1.70s 1965-1967 J-J	b1.80 to 2.20%		--
State Building Certificates—			
3s 1964-1976 F-A	b1.70 to 2.90%		--
Minneapolis—			
2.60s 1964-66 A-O	b1.70 to 2.10%		--
2½s 1964-67 M-S	b1.70 to 2.15%		--
2.30s various 1964-79 M-S	b1.70 to 3.40%		--
2.10s various 1964-79 M-S	b1.70 to 3.40%		--
2s ref 1964-69 M-S	b1.70 to 2.50%		--
1.90s 1964-74 M-N	b1.70 to 2.80%		--
Housing Authority—			
3⅛s 1964-2003 M-S	b1.70 to 3.50%		--
Minneapolis-St Paul—			
Metropolitan Airport Com—			
2s 1964-68 M-N	b1.70 to 3.35%		--
2¼s 1970-78 M-N	b2.60 to 3.00%		--
Olmsted County—			
Independent S D No 8			
1 & 1¼% 1964-67 J-J	b1.80 to 2.20%		--
St Paul—			
3¼s Aug 1 1965-1992	b1.90 to 3.40%		--
3.20s 1964-1989 F-A	b1.80 to 3.25%		--
2.40s Wat Wks 1969 M-N	--	--	2.50
2.30s Imp 1964-68 F-A	b1.70 to 2.20%		--
2.30s Imp 1970-78 F-A	b2.50 to 3.10%		--
2¼s 1964-1984 A-O	b1.70 to 3.40%		--
2.20s 1964-1969 J-J	b1.70 to 2.70%		--
2.20s 1970-1984 J-J	b2.50 to 3.20%		--
MISSISSIPPI			
General oblig School ser D			
3¼s 1965-1968 M-N	103	104½	--
3½s 1969-1975 M-N	103½	105	--
River Bridge Authority—			
3.60s Nov 1 1994	102½	105½	--
Highway Bonds—			
2⅜s 1964-1970 F-A	b2.90	2.80%	--
2½s 1964-1970 F-A	b3.00	2.80%	--
2.40s Aug 1 1971	b3.00	2.80%	--
2½s Feb and Aug 1 1972	b3.10	2.90%	--
2.60s Feb and Aug 1 1973	b3.10	2.90%	--
2.60s Feb and Aug 1 1974	b3.15	3.00%	--
3s 1964-1969 F-A	b3.10	2.90%	--
3.10s 1969-1971 F-A	99½	101½	--
3s 1964-1966 F-A	99	101	--
2.90s 1967 F-A	b3.10	2.90%	--
MISSOURI			
State of Missouri—			
2¼s 1964-1971 M-S	b1.90 to 2.50%		--
2⅜s 1972-1977 M-S	b2.50	2.80%	--
State Bldg bonds series B—			
2¼s 1964-1975 M-N	b1.90	2.70%	--
2⅜s 1976-1979 M-N	b2.75	2.90%	--
Independence (Elec Lt Wks Rev)			
4¾s 1964-1972 J-J	b2.10	3.10%	--
4¾s 1973-87 opt 1972 J-J	b3.15	3.80%	--
Kansas City—			
3¾s various 1964-72	b2.05	2.70%	--
3s 1964-75 M-S	b2.05	2.80%	--
2¾s 1967 J-J	--	--	2.30
2¾s 1970-73 J-J	b2.55 to 2.70%		--
2½s 1964-75 A-O	b2.05	2.90%	--
Airport rev 4¼s 1964-79 J-J	b2.40	3.70%	--
Water Works Improvement			
1½s 1964-67 M-S	b2.10 to 2.80%		--
St Louis (City of)—			
2¾s Feb 1 1964-1977	b2.05 to 2.95%		--
Water Revenue 1963 issue)			
5s 1964-1973	b2.10	2.70%	--
3s 1974-1979	b2.75 to 3.00%		--
3.20s 1980-1992	b3.00 to 3.30%		--
Springfield—			
Public Util Rev series A—			
2s 2¼s & 2½s '64-69 M-N	b2.10 to 2.60%		--
Public Util Rev 1955 ser—			
2s 1966-72 A-O	b2.45 to 3.00%		--
2¼s 1973-82 A-O	b3.00 to 3.45%		--
Waterworks Rev (1957 ser)			
4½s 1991-1997 M-N	--	--	3.90

b Basis. f Flat price. n Nominal.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
MONTANA			
War Veteran's Compensation—			
2½s 1964	b1.70 less 1		--
3s 1972	99½	--	--
Montana (State of)—			
1.60s Sep 1 1964-69 opt '59	b2.60 less 1		--
Cascade School District No 1 (Great Falls)—			
2s and 2¼s June 20 1964-68 opt '58	99	--	--
Helena High School District—			
2½s Jan 1 1973 opt 1963	98	--	--
Missoula County Sch Dist—			
2.40s Sept 1 1969 opt 1959	98	--	--
Silver Bow County S D No 1—			
(Butte) 3¾s July 1 '73 opt 63	100	--	--
Yellowstone Co S D No 2—			
Billings 2.30s Feb 1 1974—			
optional 1964	b2.60 less 1		--
NEBRASKA			
Central Neb Pub Power and Irrigation Dist Elec Rev—			
2⅝s 1964-72 M-S	b2.25 to 3.25%		--
2¼s 1973-77 M-S	b3.35 to 3.70%		--
Consumer Pub Power Dist—			
Consol Eastern System and Western System bonds—			
2s 1964-69 J-J	b2.25 to 3.25%		--
1¾s 1970-71 J-J	b3.35 to 3.45%		--
2¼s Jan 1972 J-J	--	--	3.00
1st Issue of 1951—			
1½s 1964-67 J-J	b2.40 to 3.25%		--
1¾s 1968-81 J-J	b3.35 to 3.90%		--
First Issue of 1948—			
2¾s 1964-71 J-J	b2.15 to 3.15%		--
First Issue of 1949—			
2¼s 1964-71 J-J	b2.20 to 3.30%		--
Western System Revenue—			
First Issue of 1947—			
2¼s 1964-71 J-J	b2.00 to 3.30%		--
Western System Revenue—			
Issue of 1950—			
1¾s 1964-80 J-J	b2.30 to 3.90%		--
Loup River Pub Pow Dist—			
Elec rec ref & impr ser C			
3¼s 1964-89	b2.00 to 3.90%		--
Omaha (City of)—			
Pub Pow Dist (Elec Rev)			
Issued in 1949—			
2s 1964-69 F-A	b2.35 to 2.90%		--
2¼s 1970-79 F-A	b3.00 to 3.50%		--
Pub Pow Dist (Elec Rev)			
Issued in 1950—			
1¾s 1964-72 F-A	b2.40 to 3.15%		--
2s 1973-80 F-A	b3.15 to 3.80%		--
NEW HAMPSHIRE			
3¼s Nov 1 1964-88 M-N	b2.00 to 3.20%		--
1⅞s 1964-1980 A-O	b2.00 to 3.40%		--
Highway—			
1.60s 1964-76 M-N	b2.00 to 3.25%		--
1.70s 1964-68 M-S	b2.00 to 3.00%		--
Turnpike 2¼s 1964-1983 M-S	b2.00 to 3.40%		--
Concord (City of)—			
4¼s U T D 1964-65 J-D	b2.00 to 2.60%		--
Manchester—			
1½s Aug 1 1964-68	b2.00 to 2.50%		--
NEW JERSEY			
Highway Auth (Garden State Parkway)—			
State-Guar Parkway ser A—			
3s 1964-85 J-J	b1.70 to 3.10%		--
2¾s 1986-88 J-J	--	--	3.20
State Guar Parkway ser B			
3s 1964-68 J-J	b1.70 to 2.30%		--
2¾s 1969-71 J-J	b2.40 to 2.50%		--
2½s 1972-77 J-J	b2.60 to 3.00%		--
2¾s 1978-83 J-J	b3.00 to 3.15%		--
2⅞s 1984-88 J-J	b3.10 to 3.15%		--
State Higher Education—			
4s 1964-1967 J-J	b1.70 to 2.15%		--
3¼s 1968-1970 J-J	b2.30 to 2.45%		--
3⅜s 1971-1973 J-J	b2.55 to 2.70%		--
3.40s 1974-1975 J-J	--	--	2.75
Revenue			
3¼s series C 1988 J-J	94	96	--
4⅜s ser D & E 1988 J-J	104½	107	--
Turnpike Authority—			
Rev 3.20 ('51 issue) '86 J-J	98	100½	--
Revenue 3¼s Jan 1 1985	99½	100½	--
3⅜s 2nd series 1988 J-J	100½	101½	--
3s 2nd series B 1988 J-J	94	99	--
2.80s 2nd series B 1988 J-J	91	96	--
Highway Extension—			
4½s ser B of '30 July '64-67	b1.70 to 2.15%		--
3¼s ser C of '30 Nov '64-69	b1.70 to 2.40%		--
Institutional Construction—			
3½s series A July 1964-66	b1.70 to 2.05%		--
4½s series B July 1964-67	b1.70 to 2.15%		--
4s series C April 1964-69	b1.70 to 2.40%		--
2¾s ser D May 1964-70	b1.70 to 2.45%		--
1.20s Nov 1 1964-65	b2.10 to 2.30%		--

Bonds—	Yield Basis or To Bid	Ask	Net
Highway Improvement—			
2½s series F July 1964-83	b1.70 to 3.35%		--
Recreation, Conservation etc—			
4.15s 1965-1968 M-S	b1.90 to 2.30%		--
3s 1969-1983 M-S	b2.40 to 3.10%		--
3.20s 1986-1991 M-S	b3.05 to 3.15%		--
2s 1992 M-S	--	--	3.70
State Institution Constr—			
1.90s 1964-68 M-N	b1.70 to 2.70%		--
State Teachers' College—			
1¾s 1964-65 F-A	--	--	2.25
1¾s 1966-68 opt 1965 F-A	--	--	2.60
Water Development—			
4s 1964-1968 J-D	b1.70 to 2.30%		--
3s 1969-1974 J-D	b2.40 to 2.70%		--
3¼s 1975-1979 J-D	--	--	2.95
3¼s 1980-1984 'opt '75 J-D	--	--	3.10
Wat Dev Series B—			
3½s 1968-1971 A-O	b2.30 to 2.50%		--
3s 1972-1977 A-O	b2.55 to 2.90%		--
3.10s 1978-1984 A-O	b2.80 to 3.05%		--
3¼s 1985-1988 A-O	--	--	3.10
Atlantic City—			
Ref bonds of 1944			
3¼s 1964-67	100	101	--
3s Dec 1 '67 opt '48 to '54	99½	100	--
4½s gen imp 1964-79 A-O	b1.90 to 3.40%		--
Bayonne—			
4¼s school 1964-67 F-A	b1.90 to 2.65%		--
Sewage Disp Sys (ser B)			
3½s 1964-93 M-N	b1.90 to 3.75%		--
Bergen County—			
Sewer Authority			
2½s 1964-65 J-D	b1.85 to 2.25%		--
2¾s 1966-76 J-D	b2.30 to 3.35%		--
2.70s 1977-89 J-D	b3.40 to 3.65%		--
Sewer System series F			
6s 1964-1968 J-D	b1.85 to 2.60%		--
3¼s 1969-1974 J-D	b2.70 to 2.90%		--
3½s 1975-1989 J-D	b2.95 to 3.40%		--
3.60s 1990-1997 J-D	b3.40 to 3.60%		--
Bloomfield 4¼s 1964-1968 J-D	b1.75 to 2.40%		--
Camden—			
4½s water 1964-69 M-N	b1.85 to 2.65%		--
4s 1964-70	b2.00 to 2.85%		--
Ref 3.40s 1967-70 J-D	b2.60 to 2.85%		--
Camden County—			
4¼s 1964-70 J-J	b1.85 to 2.70%		--
4s 1964-68	b1.85 to 2.50%		--
Camden (Housing Author)—			
2⅜s June 1989	b3.40	3.25%	--
Clifton 3s 1964-75 F-A	b1.85 to 3.00%		--
2¼s 1964-78 M-N	b1.85 to 3.40%		--
East Orange—			
4½s 1964-1969 J-D	b1.90 to 2.60%		--
3s school 1964-74 A-O	b1.90 to 2.90%		--
Elizabeth—			
2¾s 1964-1978 M-S	b1.85 to 3.30%		--
6s 1964-72 J-J	b1.85 to 3.00%		--
Essex County—			
1.70s 1964-87 A-O	b1.75 to 3.70%		--
1.40s 1964-90 M-N	b1.75 to 3.80%		--
Glen Ridge—			
4¼s Mun Bldg 1964-70 F-A	b1.80 to 2.60%		--
1¾s sch dist 1964-85 M-S	b1.80 to 3.75%		--
Gloucester City—			
5¼s water 1964-66 M-S	b2.00 to 2.50%		--
Hackensack 3s 1964-66 M-S	b1.85 to 2.40%		--
Hamilton (Township)—			
3½s sewer 1964-1978 J-D	b1.85 to 3.10%		--
Hudson County—			
4½s 1964-78 M-N	b1.85 to 3.15%		--
2.65s 1964-70 M-N	b1.85 to 2.70%		--
Jersey City—			
5s 1964-69 A-O	b2.00 to 3.15%		--
4¼s 1964-1967 J-D	b2.20 to 3.00%		--
4s 1964-1987 J-D	b2.20 to 3.85%		--
Hospital 2.60s 1964-76 M-N	b2.20 to 3.90%		--
Water 2.60s 1964-76 M-N	b2.00 to 3.25%		--
Water Series D—			
2s 1964-71 M-N	b2.00 to 3.95%		--
Sewer Authority 1st ser—			
3¼s 1966-1992 J-J	b3.20 to 3.90%		--
Kearny—			
4½s water 1964-70 J-D	b2.00 to 2.80%		--
5½s 1964-70 J-D	b2.00 to 2.90%		--
Linden 2.45s 1964-85 M-N	b2.00 to 3.50%		--
1.60s 1964-69 M-N	b2.00 to 3.50%		--
Maplewood (Township)—			
4s 1964-1967 J-D	b2.00 to 2.60%		--
Middlesex (Borough)—			
3¾s 1964-67 J-J	b2.15 to 2.90%		--
Montclair 2½s 1964-70 M-N	b2.00 to 2.90%		--
Morristown—			
4s 1964-69 M-N	b2.00 to 2.75%		--
Newark 6s 1964-72 M-S	b2.00 to 3.10%		--
4½s 1964-83 F-A	b2.00 to 3.40%		--
4s 1964-1970 J-D	b2.00 to 2.80%		--
3.10s April 1 1964-77 A-O	b2.00 to 3.15%		--
2¾s Jan 15 1964-76 J-J	b2.00 to 3.30%		--
2.40s 1964-1974 M-N	b2.00 to 3.25%		--
2¼s 1964-1968 J-J	b2.00 to 2.90%		--
2.20s 1964-1967 J-D	b2.00 to 2.90%		--
1.60s Aug 15 1964-70	b2.00 to 3.30%		--
Housing Authority—			
3⅛s 1964-1997 A-O	b1.75 to 3.40%		--
New Brunswick—			
4½s sch & wat '64-69 J-D	b2.00 to 2.80%		--
4½s 1964-67 J-D	b2.00 to 2.70%		--

Bonds—	Yield Basis or To Bid	Ask	Net
North Bergen—			
Refunding of 1945—			
2¼s 1964 J-D	99	100	--
2¼s 1967 J-D	93	95	--
Passaic—			
4¼s water 1964-70 J-J	b1.75 to 2.70%		--
Passaic County—			
4¼s 1964-1970 J-D	b1.60 to 2.50%		--
Paterson—			
4½s 1964-1968 A-O	b1.85 to 2.70%		--
1.20s 1964-1969 F-A	b2.60 to 3.35%		--
Perth Amboy—			
5s Feb 1964-77 F-A	b2.00 to 3.45%		--
Plainfield 1½s 1964-70 F-A	b2.40 to 3.30%		--
Ridgewood 4¼s 1964-68 M-N	b1.65 to 2.40%		--
South Jersey Port District—			
Marine Terminal—			
4½s 1964-1973 A-O	b2.00 to 3.15%		--
South Orange—			
4¼s 1964-70 J-D	b1.60 to 2.55%		--
4½s 1964-1967 J-D	b1.60 to 2.35%		--
Tenafly 1.20s 1964-74 F-A	b2.45 to 3.50%		--
Trenton—			
3s gen imp 1964-67 M-N	b1.60 to 2.35%		--
3s 1964-70 A-O	b1.60 to 2.50%		--
2¾s gen fd & ref '64-68 F-A	b1.60 to 2.40%		--
2¾s ref 1964-66 A-O	b1.60 to 2.25%		--
2½s Em House 1964-71 M-N	b1.60 to 2.55%		--
1⅞s 1964-74 J-D	b1.60 to 3.30%		--
Union County—			
2.80s June 1 1964-1965	b1.75 to 2.00%		--
Union Township School Dist—			
4½s 1964-68 J-J	b1.70 to 2.50%		--
2.40s Sch Dist 1964-67 J-D	b1.70 to 2.40%		--
Weehawken 3½s 1964-70 J-J	b1.70 to 2.70%		--
Westfield—			
4¼s 1964-66 A-O	b1.75 to 2.40%		--
West New York—			
4½s Oct 1 1964-68 A-O	b1.90 to 2.85%		--
NEW MEXICO			
Highway Debentures—			
2.30s Mar 1 1965	--	--	2.05
2¼s Mar 1 1966	--	--	2.15
Severance Tax—			
2s July 1 1964-65	b99⅝ to 2.60%		--
Building Institution—			
1⅞s July 1 1964-65	b1.85 to 2.20%		--
Albuquerque—			
2¼s 1964-70 J-D	b2.05 to 3.05%		--
NEW YORK			
State Canal Improvement—			
4½s Jan 1 1964 J-J	b1.65 less	⅛	--
4¼s Jan 1 1965 J-J	b1.80 less	⅛	--
4s Jan 1 1966 J-J	b1.90 less	¼	--
4s Jan 1 1967 J-J	b2.10 less	½	--
Barge Canal 5s 1971 J-J	b2.40 less	½	--
Grade Crossing Elimination—			
1.50s 1969-71 opt 1968 J-D	b2.70 to 2.95%		--
Highway Improvement—			
4¼s March 1 1965 M-S	b1.90 less	⅛	--
4s Sept 1 1965 M-S	b1.90 less	⅛	--
4s March 1 1967 M-S	b2.10 less	½	--
Housing Finance Agency			
General housing loan '61 A			
4s 2004 M-N	105½	--	--
Power Author 3.20s 1995 J-J	97	100	--
General Revenue series F—			
4.20s Jan 1 2006 J-J	108¾	109¾	--
General revenue series G—			
4s 1965-1969 J-J	b2.20 to 2.50%		--
3¼s 1970-1974 J-J	b2.60 to 2.90%		--
4s 1975-1979 J-J	b3.20 to 3.30%		--
General revenue series H—			
4⅛s Jan 1 2006	108½	109½	--
4⅜s Jan 1 2006	111½	113	--
General revenue series J—			
3¾s Jan 1 2006	105¾	107¾	--
Southern State Pkwy Rev—			
Jones Beach State Pkwy			
Auth 2⅞s Nov 1 1988	95	--	--
N Y Thruway Authority—			
State Guaranteed—			
2½s June 1 1971	b2.40 less	¾	--
2½s June 1 1973	b2.50 less	¾	--
2½s June 1 1975	b2.65 less	¾	--
2.60s June 1 1977-78	b2.75 to 2.80%		--
2.70s June 1 1980-81	b2.85 to 2.90%		--
2¼s June 1 1982-84	b3.30 to 3.40%		--
Thruway Authority (2nd issue)			
2½s Oct 1 1971	b2.40 less	¾	--
2½s Oct 1 1975	b2.65 less	½	--
2.60s 1976 A-O	b2.65 less	½	--
2.70s 1977-1978 A-O	b2.70 to 2.75%		--
2¾s 1979-1980 A-O	b2.80 to 2.85%		--
2¾s 1981-1984 A-O	b2.90 to 3.05%		--
Thruway Authority—			
3.10s July 1 1994 J-J	93½	94½	--
4.15s July 1 1996	110½	111½	--
Thruway Authority—			
Gen Revenue series B—			
2¼s 1964-69 J-J	b2.10 to 2.60%		--
2⅜s 1970-79 J-J	b3.00 to 3.50%		--
2.70s July 1 1994	84	85½	--

†Bid price to option date. a Less 1. b Basis. c Less ½. d Less ⅝. e Less ¾. f Flat price.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
Thruway Authority—			
Gen Revenue series C—			
6s 1966-1968 J-J	b2.10 to 2.40%		--
5¼s 1969 J-J	--	--	2.50
3¾s 1970-1973 J-J	b2.75 to 3.00%		--
3.90s 1974-1979 J-J	b3.05 to 3.30%		--
Thruway Authority—			
Gen Revenue series D			
3.60s July 1 1996	103	104	--
6s 1967-1970 J-J	b2.40 to 2.65%		--
3s 1971 J-J	--	--	2.65
3.10s 1972 J-J	--	--	2.75
3¼s 1973-1977 J-J	b2.85 to 3.05%		--
3.30s 1978-1979 J-J	b3.10 to 3.15%		--
3.40s 1980-1985 J-J	b3.30 to 3.35%		--
Thruway Author (3rd issue)			
2½s 1985-89 J-J	b3.25 to 3.30%		--
2.45s 1990 J-J	--	--	3.50
2.60s 1991-92 J-J	--	--	3.35
2½s 1993-95 J-J	--	--	3.40
Thruway Author (4th issue)			
2¾s Jan 1 1985-91	b3.10 to 3.30%		--
2.70s Jan 1 1992-93	b3.40 less	¾	--
2¾s Jan 1 1994-95	--	--	3.30
Thruway Author (6th issue)			
3s Jan 1 1985 J-J	--	--	3.05
3.05s Jan 1 1986 J-J	b3.10 less	¾	--
3.15s Jan 1 1987 J-J	--	--	3.10
3.20s Jan 1 1988-90 J-J	--	--	3.10
3.15s Jan 1 1991 J-J	--	--	3.10
3.10s Jan 1 1992-95 J-J	--	--	3.15
Thruway Auth (7th issue)—			
3½s 1985-1990 J-J	b3.00 to 3.10%		--
3.40s 1991-1992 J-J	--	--	3.15
3.45s 1993-1995 J-J	--	--	3.15
Various purposes—			
3¼s March 15 1981 M-S	--	--	2.90
3s March 25 1987 M-S	b3.05 less	¾	--
1¾s April 1979 A-O	--	--	3.45
1.60s June 18 1984	b3.50 less	¾	--
1½s Aug 1 1965 F-A	--	--	2.05
1½s Dec 4 1980 J-D	b3.50 less	¼	--
1½s Dec 3 1981 J-D	--	--	3.50
1¼s Dec 1 1996/88	b3.85	3.70%	--
1¾s June 15 1990	b3.75	3.60%	--
2¼s Dec 1 1985	b3.50	3.35%	--
2¼s Dec 1 1990/88	b3.60	3.50%	--
2½s Dec 1 1970	b2.55	2.45%	--
2½s Jan 15 1978	b3.10	3.00%	--
2½s Jan 15 1985	b3.35	3.25%	--
2½s Jan 15 1991	b3.55	3.40%	--
3s July 1 1979	b3.00	2.85%	--
3s July 1 1983	b3.15	3.00%	--
3½s March 15 1981	b3.10	2.90%	--
4s March 1 1967	b2.25	2.10%	--
4¼s Jan 1 1965	b2.00	1.80%	--
4½s Sept 1 1963	b1.80	1.65%	--
4½s Jan 1 1964	b1.85	1.70%	--
5s March 1 1965	b2.00	1.80%	--
Albany County—			
1.90s 1964-68 J-D	b1.80 to 2.80%		--
Albany (City of)—			
4½s 1964-69 M-N	b1.80 to 2.50%		--
4½s 1964-70 J-D	b1.80 to 2.60%		--
3½s 1964 J-D	--	--	1.80
2¼s 1964-73 M-S	b1.80 to 3.25%		--
2¼s 1964-73 M-S	b1.80 to 3.25%		--
1.70s 1964-79 M-N	b1.80 to 3.60%		--
Binghamton 4½s 1964-71 A-O	b1.85 to 2.50%		--
Buffalo—			
4½s 1964-1967 A-O	b1.75 to 2.25%		--
2.90s 1964-1975 M-N	b1.75 to 2.90%		--
1.70s 1964-1981 J-D	b1.75 to 3.50%		--
Various purposes			
2.70s 1964-1976 J-J	b1.80 to 3.00%		--
Sewer Authority—			
2.10s ser I 1964-67 M-N	b1.80 to 2.50%		--
1⅞s ser J 1965-66 M-S	b2.00 to 2.40%		--
Erie County—			
2¾s gen imp 1964-83 F-A	b1.75 to 3.20%		--
Freeport—			
2.20s sewer 1964-66 A-O	b1.80 to 2.60%		--
Greenburgh Un Sch Dis No 9			
4.40s 1964-1965 J-D	b1.80 to 2.30%		--
Hempstead 2.30s 1964-67 J-J	b1.80 to 2.60%		--
Central High Sch Dist No 1			
2.80s 1964-84 F-A	b1.80 to 3.65%		--
Hempstead—			
Union Free School District			
No 16 2.20s 1964-72 J-J	b1.80 to 3.40%		--
Mamaroneck 3.90s 1964-68 J-J	b1.80 to 2.50%		--
Mineola (V) 4.40s 1964-68 J-J	b1.80 to 2.60%		--
Mount Vernon—			
4¼s school 1964-72 M-N	b1.80 to 2.90%		--
Nassau County—			
4.20s 1964-86 M-S	b1.80 to 3.30%		--
3.90s 1964-1989 J-J	b1.80 to 3.35%		--
3.60s 1964-1990 J-D	b1.80 to 3.35%		--
3½s 1964-87 J-D	b1.80 to 3.30%		--
3.40s 1964-85 A-O	b1.80 to 3.25%		--
3.20s 1964-1992 J-J	b1.80 to 3.35%		--
3.10s 1964-1991 M-S	b1.80 to 3.35%		--
2½s revenue 1975 M-S	95	--	--
2½s 1964-82 A-O	b1.80 to 3.60%		--
2.10s imp 1964-79 F-A	b1.80 to 3.60%		--
2s 1964-80 M-S	b1.80 to 3.80%		--
1.60s 1964-89 M-S	b1.80 to 3.90%		--
New Rochelle—			
4½s 1964-65 M-N	b1.80 to 2.20%		--
1.80s 1964-68 M-S	b1.80 to 2.70%		--

Bonds—	Yield Basis or To Bid	Ask	Net
New York City (various)—			
4½s Dec 1 1979	114	115¾	--
4½s Dec 15 1971	110	111¾	--
4½s July 1 1967	106¾	107½	--
4½s June 1 1965	103¼	104¼	--
4¼s March 1 1981	111¼	113¼	--
4¼s Nov 15 1978	110½	112½	--
4¼s Jan 1 1977	110	111½	--
4¼s Feb 15 1976	110	112	--
4¼s June 1 1974	109½	111	--
4¼s April 15 1972	108½	110	--
4¼s April 1 1966	104	105	--
4¼s March 1 1964	101	101½	--
4s Oct 1 1980	108½	110½	--
4s May 1 1977	108	110	--
3½s Jan 15 1976	102	104	--
3¼s July 1 1975	100½	102	--
3s June 1 1980	97¼	98	--
3s Feb 1 1979	97	98	--
3s Jan 1 1977	97½	99	--
2¾s July 15 1969	99	100½	--
New York City Housing Auth—			
2s March 1 1990-2000	b4.10	4.00%	--
2¼s March 1 1990-2000	b4.00	3.90%	--
2½s May 1 1985-1995	b3.95	3.85%	--
2¾s June 1 1991-1999	b3.80	3.70%	--
3s June 1 1986-1990	b3.60	3.50%	--
4s Jan 1 1995-1997	b3.70	3.60%	--
Niagara Falls—			
3.10s Apr 1 1964-78 A-O	b1.50 to 2.95%		--
3.20s pub imp 4-1-64-67 J-D	b1.50 to 2.30%		--
2¾s June 1 1964-79 J-D	b1.50 to 3.05%		--
1.80s wat Nov 1 64-80 M-N	b1.50 to 3.55%		--
Niagara Falls City S D—			
3.10s Apr 1 1964-78 A-O	b1.50 to 3.00%		--
2.90s Apr 1 1964-87 A-O	b1.50 to 3.30%		--
2.30s Mar 1 1964-83 M-S	b1.50 to 3.30%		--
1.90s Jan 1 1964-78 J-J	b1.50 to 3.45%		--
Onondaga County—			
3s highway Feb 1 64-76 F-A	b1.50 to 2.80%		--
Port of New York Authority			
Consolidated—			
4¼s Oct 1 1989	109	111	--
3¾s Oct 1 1987	103	104½	--
3⅝s Feb 1 1989	102½	104	--
3½s Nov 1 1991	101	103	--
3.40s Oct 1 1993	99½	101	--
3.40s Feb 1 1987	101¼	102¾	--
3.40s Sept 1 1986	101	102¾	--
3⅜s May 1 1994	99	99¾	--
3⅜s Dec 1 1993	99	100½	--
3⅜s May 1 1988	99½	101	--
3¼s Sept 1 1993	97½	98½	--
3s May 1 1986	94½	96½	--
3s Nov 1 1982	97	98½	--
2.90s Dec 1 1983	90½	92	--
2¾s April 1 1985	87¼	88½	--
2¾s Sept 1 1984	87¼	88½	--
Air Terminal—			
2½s Oct 1 1979	91½	93½	--
Air & Marine Terminal—			
2.20s Dec 1 1980	85	87	--
General & Refunding—			
2s Aug 15 1974	97½	99	--
1¾s April 1 1985	71½	73½	--
1½s April 1 1985	67½	69½	--
1¼s March 1 1986	61½	63½	--
Schenectady—			
3.60s wtr May 1 '64-91 M-N	b1.50 to 3.40%		--
3.60s gen imp 2-1-64-89 F-A	b1.50 to 3.35%		--
3s sewer May 1 '64-69 M-N	b1.50 to 2.40%		--
1¾s sewer Jun 1 '64-76 J-D	b1.50 to 3.45%		--
Schenectady City S D—			
2¾s Feb 1 1964-83 F-A	b1.50 to 3.10%		--
Schenectady County—			
3s hosp bldg Jul 1 '64-89 J-J	b1.50 to 3.35%		--
Syracuse—			
2.20s hway 3-1-64-72 M-S	b1.50 to 2.85%		--
Syracuse Housing Authority—			
Ref 1st issue series A—			
2.10s Aug 15 1965	--	--	2.05
2s Aug 15 1966-67	b2.10 to 2.20%		--
2.10s Aug 15 1968-70	b2.30 to 2.50%		--
2s Aug 15 1971-73	b2.60 to 2.80%		--
2.10s Aug 15 1974-79	b2.90 to 3.25%		--
Syracuse New Hsg Auth—			
3½s Dec 1 1964-2000 J-D	b1.50 to 3.35%		--
Tonawanda (City)—			
4s imp Apr 1 1964-88 M-S	b1.60 to 3.40%		--
3¾s May 1 1964-78 M-N	b1.60 to 3.00%		--
Tonawanda (Town)—			
3¼s Apr 1 1964-86 A-O	b1.50 to 3.40%		--
3.10s sew Jun 1 1964-76 J-D	b1.50 to 3.00%		--
Tonawanda City S D—			
3¼s Jun 1 1964-86 J-D	b1.50 to 3.40%		--
Triborough Bridge & Tunnel			
Authority Revenue—			
2⅛s July 1 1965	b2.15	2.00%	--
2⅛s July 1 1967	b2.40	2.25%	--
2⅛s July 1 1969	b2.65	2.55%	--
3½s Jan 1 1985	104	105	--
3¾s Jan 1 1985	105¼	106½	--
4s Jan 1 1985	108½	109½	--
Troy—			
3.70s May 1 1964-82 M-N	b1.50 to 3.20%		--
3½s Mar 1 1964-79 M-S	b1.50 to 3.10%		--
4s water Mar 1 1964-77 M-S	b1.50 to 3.00%		--
2.90s serially to 1977 A-O	b1.50 to 3.05%		--
Watertown—			
2.70s Apr 1 1964-76 A-O	b1.50 to 3.00%		--
1.60s sch Jan 1 1964-79 J-J	b1.00 to 3.60%		--
Watertown City S D—			
3.20s sch Nov 1 '64-87 M-N	b1.50 to 3.40%		--

Bonds—	Yield Basis or To Bid	Ask	Net
Westchester County—			
3.20s Oct 1 1964-81 A-O	b1.50 to 2.90%		--
2.30s Sept 1 1964-83 M-S	b1.50 to 3.25%		--
4s June 1 1964-80 J-D	b1.50 to 2.90%		--
4¼s June 1 1964-81 J-D	b1.50 to 2.95%		--
2.10s Oct 1 1964-81 A-O	b1.50 to 3.35%		--
2.70s July 1 1964-81 J-J	b1.50 to 3.15%		--
Yonkers—			
4s July 1 1964-79 A-O	b1.50 to 3.10%		--
3.90s June 1 1964-77 A-O	b1.50 to 3.00%		--
2¾s May 1 1964-78 A-O	b1.50 to 3.25%		--
3¾s Aug 1 1964-76 A-O	b1.50 to 2.95%		--

NORTH CAROLINA

Issues dated Oct 1 1950—			
1⅜s April 1 1965-70	b1.95 to 2.65%		--
Capital Improvement—			
3½s 1965 M-N	--	--	1.80
3¼s 1966-1979 M-N	b1.90 to 2.65%		--
Road bonds dated July 1 1949			
1¾s Jan 1 1968-69	b2.30 to 2.40%		--
Secondary Road—			
1½s Jan 1 1965-69	b1.80 to 2.50%		--
1¼s Jan 1 1970	--	--	2.75
Secondary road of Jan 1 '51			
1½s 1964-81 J-J	b1.50 to 3.25%		--
1¾s 1964-66 J-J	b1.50 to 1.95%		--
2s 1967-70 J-J	b2.00 to 2.35%		--
Asheville—			
2¾s-4s gen ref July 1 1976	101⅛	103	--
Buncombe County—			
2¾s-4s gen ref July 1 1976	101⅛	103	--
Charlotte—			
4¼s 1964-70 M-N	b1.60 to 2.40%		--
4¼s 1964-79 M-N	b1.60 to 3.00%		--
3s 1964-77 F-A	b1.60 to 2.80%		--
2½s 1964-66 M-N	b1.60 to 2.05%		--
2¼s 1964-72 A-O	b1.60 to 2.70%		--
2½s 1973-80 A-O	b2.65 to 3.20%		--
Issues dated Nov 1 1953—			
2⅛s 1965-75 M-N	b1.95 to 3.10%		--
2¾s 1976-85 M-N	b2.75 to 3.30%		--
Durham (City of)—			
Municipal Improvement—			
2½s 1964-78 F-A	b1.55 to 3.00%		--
2¼s 1979-83 F-A	b3.10 to 3.30%		--
Durham (County of)—			
1½s 1964-1969 J-D	b1.60 to 2.80%		--
Elisabeth City (pub imp)—			
3¼s 1964-67 A-O	b1.75 to 2.60%		--
3s 1968-70 A-O	b2.70 to 2.90%		--
High Point (refunding)—			
3¾s 1964-69 M-N	b1.60 to 2.30%		--
3½s 1970-75 M-N	b2.40 to 2.65%		--
5s water ser 1964-68 J-D	b1.60 to 2.20%		--
1½s April 1 1964-66	b1.65 to 2.50%		--
Kinston (El Lt & Street Imp)			
2¼s 1964--68 J-D	b1.70 to 2.35%		--
2s 1967-71 J-D	b2.50 to 2.90%		--
Macklenburg County—			
1¾s 1964-1965 J-D	b1.65 to 2.10%		--
2s 1966-75 J-D	b2.05 to 3.25%		--
Raleigh 4½s 1964-67 A-O	b1.60 to 2.10%		--
3s 1964-70 A-O	b1.60 to 2.40%		--
Rocky Mount—			
Water and sewer bonds—			
2½s 1964-70 J-J	b1.70 to 2.50%		--
2¼s 1971-80 J-J	b2.90 to 3.45%		--
Wilmington—			
Water Works Extension—			
3¾s-2s-1½s 1964-80 A-O	b1.70 to 3.50%		--
Wilson (Town of)—			
2¼s 1964-65 A-O	b1.70 to 2.00%		--
2½s 1964-78 A-O	b1.70 to 3.25%		--
Winston-Salem—			
4½s 1964-73 M-N	b1.60 to 2.50%		--
2s refunding 1964-68 J-J	b1.60 to 2.20%		--
1¾s refunding 1969-73 A-O	b2.10 to 3.05%		--

OHIO

General Obligations—			
Construction—			
3¼s 1964-1966 J-D	b1.60 to 2.15%		--
3s 1967-1971 J-D	b2.25 to 2.50%		--
2.85s 1972-1974 J-D	b2.50 to 2.60%		--
Korean Conflict Compensation			
3s May 15 1964-72	b1.50 to 2.50%		--
Turnpike Revenue No 1—			
3¼s June 1 1992	99½	101½	--
Akron (City of)—			
3s var purpose '64-83 M-N	b1.80 to 3.40%		--

a Less 1. b Basis. d Less 1¼. n Nominal.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
Cincinnati—			
5s July 1 1965 J-J	b2.10	2.00%	—
2¼s Sept 1 1964-76	b1.60 to 3.05%		—
2s school 1964-72 M-S	b1.60 to 3.20%		—
2s 1964-90 M-S	b1.50 to 3.50%		—
1¾s water wks 1964-70 M-S	b1.50 to 3.00%		—
1¾s school 1964-73 M-S	b1.50 to 3.00%		—
Limited tax improvement			
2½s 1964-78 M-S	b1.50 to 3.10%		—
Unlimited tax bonds—			
3¼s 1964-1984 J-D	b1.50 to 3.00%		—
3½s 1964-1989 J-D	b1.50 to 3.20%		—
Cleveland—			
5½s 1964-1970 J-D	b1.80 to 2.60%		—
4s w w 1964-1968 J-D	b1.80 to 2.50%		—
2¾s 1964-1983 M-S	b1.80 to 3.50%		—
2½s 1964-1973 M-S	b1.80 to 2.90%		—
1¾s 1964-72 M-N	b1.80 to 3.10%		—
1½s 1964-1971 M-S	b1.80 to 3.30%		—
Waterworks Extension—			
1st mtge revenue			
2s 1964-1965 F-A	b1.80 to 2.20%		—
2¼s 1966-72 Aug 1	b1.80 to 2.50%		—
Waterworks Extension—			
1st mtge rev ser D—			
2s 1964-1972 F-A	b1.80 to 3.20%		—
2¼s 1973-1976 F-A	b2.50 to 3.25%		—
Columbus—			
2¼s 1964-1980 J-J	b1.65 to 3.50%		—
2s 1964-1974 A-O	b1.65 to 3.25%		—
1½s 1964-72 M-N	b1.65 to 3.40%		—
Unlimited tax bonds—			
3½s 1964-1997 A-O	b1.65 to 3.35%		—
Limited tax bonds—			
3½s 1964-2001 A-O	b1.70 to 3.50%		—
Waterworks 2s 1964-87 M-S	b1.65 to 3.65%		—
Various purposes			
3½s Jan 1 1964-1986	b1.65 to 3.20%		—
Cuyahoga County—			
1¾s Co Bldg 1964-68 A-O	b1.75 to 3.00%		—
2s Rd imp 1964-73 A-O	b1.75 to 3.25%		—
County Offices Bldg ser B			
2s 1964-1969 A-O	b1.75 to 3.10%		—
Dayton 2¼s Nov 1 1964-73	b1.60 to 3.20%		—
1¾s S D bldgs '64-72 M-N	b1.65 to 3.25%		—
Franklin County 1s '64-68 M-S	b2.00 to 3.30%		—
Hamilton—			
City 1½s 1964-71 M-S	b1.65 to 3.45%		—
County 1s 1964-69 M-S	b1.75 to 3.40%		—
1st mtge Wat Wks Revenue			
2¼s 1964-71 A-O	b1.80 to 3.40%		—
S D 1¾s 1964-70 J-D	b1.75 to 3.30%		—
Library 2s 1964-73 M-S	b1.75 to 3.30%		—
Lima (City) S D—			
2¼s imp 1964-72 J-D	b1.75 to 3.30%		—
Marion (City of)—			
1s and 1¼s 1964-71 J-D	b2.00 to 3.40%		—
Portsmouth (City of)—			
1st Mtge Water Revenue—			
2½s 1964-65 A-O	b2.00 to 2.15%		—
2¾s 1966-68 A-O	b2.25 to 2.70%		—
Steubenville 2½s 1964-79 M-N	b1.90 to 3.60%		—
Toledo—			
Waterworks Extension—			
1st mtge revenue—			
2¾s opt '56 due '64-69 J-D	b1.75 to 2.80%		—
2½s opt 1956 due 1970 J-D	—	—	3.00
Warren (City of)—			
2½s 1964-82 w w Rev J-J	b2.00 to 3.75%		—
2⅝s 1964-90 w w Rev J-J	b2.00 to 3.85%		—
2¾s 1991 J-J	—	—	3.90
Youngstown New Housing Authority—			
2½s 1982	—	—	3.50
Zanesville City (School Dist)			
2s building 1964-1969 M-S	b1.75 to 3.20%		—
OKLAHOMA			
State of Oklahoma—			
4s 1964-1978 J-J	b1.70 to 2.65%		—
3.20s 1968 J-J	—	—	2.30
2.80s 1969-1972 J-J	b2.35 to 2.45%		—
3s 1973-1978 J-J	b2.60 to 3.00%		—
3.20s 1979-1982 J-J	b3.05 to 3.30%		—
3.30s 1983-1986 J-J	b3.35 to .345%		—
Okla Turnpike Authority—			
3¾s 1990 F-A	100	—	—
4¾s July 1 2001	110¼	112¼	—
Munic Auth Water System			
Ser B 3.30s 1971-2000 J-J	b2.45 to 3.40%		—
Turnpike Revenue—			
Northeastern Turnpike—			
3¼s 1964-1965 J-D	b1.00 to 3.00%		—
3½s 1966-1969 J-D	b3.05 to 3.35%		—
3.60s 1970-1982 J-D	b3.45 to 3.80%		—
3¾s 1983-1993 J-D	b3.65 to Par		—
Oklahoma City—			
1st May 1 1964-71	b1.50 to 2.50%		—
Issues dated May 1 1953			
2½s 1964-68 M-N	b1.50 to 2.30%		—
2¾s 1969-78 M-N	b2.35 to 3.25%		—
Issues dated Aug 1 1963—			
4s 1965-1969 F-A	b2.00 to 2.45%		—
2¾s and 4s 1970 F-A	—	—	2.55
2¾s 1971-1972 F-A	b2.65 to Par		—
2.80s 1973 F-A	—	—	Par
2.90s 1974-1975 F-A	b2.85 to Par		—
3s 1976-1979 F-A	b2.95 to 3.05%		—
3.10s 1980-1981 F-A	bpar to 3.15%		—
3.20s 1982-1983 F-A	—	—	Par
3¼s 1984-1988 F-A	bpar to 3.30%		—
Tulsa—			
1s 1964-1966 J-J	b1.50 to 2.20%		—
General obligations—			
1.10s 1964-1965 J-J	b2.25 to 2.40%		—
Waterworks and Sewer—			
2¼s 1964-1973 J-J	b2.00 to 2.50%		—
OREGON			
Highway 1½s 1964-71 A-O	b2.00 to 3.15%		—
Highway series 1953 "B"			
2¼s 1964-1966 M-S	b1.80 to 2.15%		—
State Highway (series 1962-A)			
2.40s 1964-1968 J-J	b1.80 to 2.40%		—
2.60s 1969 J-J	—	—	2.50
2.70s 1970 J-J	—	—	2.60
2.80s 1971 J-J	—	—	2.65
2.90s 1972 J-J	—	—	2.70
Veterans' Welfare—			
3¼s Oct 1 1972-1975 A-O	b2.70 to 2.85%		—
3¼s 1976 opt '71 F-A	b2.85 to opt		—
3½s Oct 1 1975 A-O	—	—	2.85
3.40s 1977 opt '71 F-A	b2.90 to opt		—
3.40s 1978 opt '71 F-A	b2.50 to opt		—
2¼s April 1 1967	—	—	2.30
2½s Sept 1 1972-73	b2.70 to 2.75%		—
2.80s 1977-1978	b2.90 to 2.95%		—
Veterans' Welfare series XV—			
3s 1970-1974 J-D	b2.60 to 2.80%		—
3.20s 1975-1978 J-D	b2.85 to 2.95%		—
Veterans' Compensation—			
1½s Oct 1 1964-1966	b2.00 to 2.55%		—
1¾s Oct 1 1967-1972	b2.55 to 3.10%		—
2s 1964-65 opt '63 A-O	b1.80 to 2.00%		—
2¼s 1966 opt 1963 A-O	b2.20 to opt		—
Portland (City of)—			
Sewer Disposal—			
1½s 1964-65 opt '55 M-N	b2.05 to 2.25%		—
1¼s 1965-66 opt '55 M-N	b2.50 to 2.70%		—
Salem (City of)—			
1½s 1964-70	b2.10 to 3.30%		—
PENNSYLVANIA			
1½s series M 1964-65 M-S	b1.75 to 2.10%		—
1.45s series N 1966-67 F-A	b2.40 to 2.45%		—
Delaware River Port Auth—			
3½s 1st ser rev 1983 J-D	104	104½	—
The General State Authority of the Commonwealth of Pa			
Eighth Series—			
3.40s 1965-66 J-J	b2.25 to 2.40%		—
3½s 1967-74 J-J	b2.60 to 3.10%		—
3.70s 1975-83 J-J	b3.25 to 3.35%		—
11th Series—			
3¼s 1964-1968 J-J	b2.10 to 2.60%		—
3.40s 1969-1970 J-J	b2.75 to 2.85%		—
3½s 1971-1973 J-J	b2.90 to 3.05%		—
3.60s 1974-1979 J-J	b3.15 to 3.25%		—
3¾s 1980-1986 J-J	b3.35 to 3.40%		—
12th Series—			
3s 1964-1966 J-D	b2.00 to 2.35%		—
3.20s 1967-1971 J-D	b2.50 to 2.80%		—
3.40s 1972-1974 J-D	b2.90 to 3.10%		—
3½s 1975-1979 J-D	b3.15 to 3.25%		—
3.60s 1980-1987 J-D	b3.30 to 3.40%		—
16th Series—			
2¼s 1965-1966 J-J	b2.25 to 2.35%		—
2½s 1967-1969 J-J	b2.50 to 2.80%		—
2¾s 1970-1972 J-J	b2.75 to 2.85%		—
3s 1973-1977 J-J	b2.85 to 3.05%		—
3¼s 1978-1981 J-J	b3.05 to 3.20%		—
3.40s 1982-1983 J-J	b3.20 to 3.25%		—
3½s 1984-1989 J-J	b3.25 to 3.40%		—
Korean Conflict Veterans'— Series O serial bonds			
3¼s 1965-1971	b2.00 to 2.60%		—
3⅜s 1972-1975 opt '73	b2.70 to 2.80%		—
State Highway & Bridge Auth Series of 1952—			
2.30s 1965-1966 J-D	b2.20 to 2.35%		—
2.40s 1967-1970 J-D	b2.40 to 2.75%		—
2.50s 1971-1974 J-D	b2.75 to 3.00%		—
Series of 1954—			
1¾s 1964-1965 J-D	b2.10 to 2.40%		—
1.90s 1966-1967 J-D	b2.65 to 2.75%		—
2s 1968-1970 J-D	b2.75 to 3.00%		—
2.10s 1971-1973 J-D	b3.10 to 3.15%		—
2¼s 1974-1977 J-D	b3.20 to 3.35%		—
State Pub School Bldg Auth—			
6s 1964-1972 M-N	b2.25 to 3.05%		—
4¾s 1973 M-N	—	—	3.10
2¾s 1974-1975 M-N	b3.10 to 3.20%		—
2.90s 1976-1978 M-N	b3.20 to 3.25%		—
3s 1979-1980 M-N	b3.25 to 3.30%		—
3.10s 1981-1982 M-N	b3.30 to 3.35%		—
3.20s 1983-1986 M-N	b3.35 to 3.45%		—
3.30s 1987-1994 M-N	b3.45 to 3.50%		—
1s 1995 M-N	—	—	4.20
1.10% 1996-2001 M-N	—	—	4.40
Turnpike revenue—			
3¼s term 1988 J-D	101½	102	—
3.10s (1954) ser 1993 J-D	96	96½	—
2.90s western ext 1986 J-D	101	101½	—
Delaware River Extension—			
2¾s June 1 1970	99½	100¾	—
3s June 1 1982	96¼	96¾	—
Allegheny Co—			
2½s 1967-1978 M-S	b2.65 to 3.20%		—
2⅜s 1964-1984 M-N	b2.00 to 3.60%		—
2¼s May 1 1964-1970	b2.00 to 2.75%		—
1⅞s 1964-1972 M-N	b2.20 to 3.20%		—
1⅝s 1964-1980 M-N	b2.20 to 3.60%		—
1⅜s 1964-1965 M-S	b2.20 to 2.30%		—
1½s 1964-1974 M-N	b2.20 to 3.40%		—
Sewer Revenue series C—			
2.70s June 1 1965-67 J-D	*	—	—
3s June 1 1968-71 J-D	*	—	—
3.20s June 1 1972-75 J-D	*	—	—
3.30s June 1 1976-81 J-D	*104	—	—
3.60s June 1 1996 J-D	*104	—	—
Allentown 1⅞s 1964-76 J-D	b2.20 to 3.50%		—
S D 1s 1964-1974 F-A	b2.20 to 3.40%		—
Allentown Authority—			
Water rev 2s 1964-69 J-J	b2.00 to 3.00%		—
2⅛s 1970-1977 J-J	b3.05 to 3.55%		—
Chester Municipal Authority—			
Water rev 2s 1964-1969 J-J	b2.20 to 3.00%		—
2½s Dec 1 1986-1988	b3.60 to 3.70%		—
Term 2s 1988 J-D	—	—	3.85
Del Riv Jt Comm Bridge Philadelphia-Camden—			
Ref bdge 1s June 1 1966	90	—	—
2.30s bdge rev sec A '84 M-N	97	—	—
2.35s bdge rev B '84 M-N	97	—	—
Easton (City of) Authority—			
Sew rev 1951 series—			
2s 1973-1976 A-O	b3.20 to 3.35%		—
2⅛s 1977-1984 A-O	b3.40 to 3.65%		—
2s 1985-86 A-O	—	—	3.65
Erie (City of)—			
1¾s imp 1964-71 M-N	b2.20 to 3.15%		—
2½s 1964-1982 A-O	b2.00 to 3.40%		—
Lehigh (County of)—			
1⅝s 1964-81 J-D	b2.20 to 3.60%		—
Philadelphia (City of)—			
2¾s 1964-1990 J-J	b2.15 to 4.25%		—
1½s 1991-1999 J-J	—	—	4.65
2½s Jan 1 1965-1985	b2.45 to 4.10%		—
2s Jan 1 1986-1992	b4.25 to 4.50%		—
Refunding bonds—			
1½s 1964-1965 J-J	b2.20 to 2.70%		—
3¼s July 1 1986 opt 1956	—	—	3.65
3¼s ref 1975 to 1985	99	—	—
3¼s Jan 1 1975 opt 1962	99	—	—
Ref (dated Feb 16 1951)—			
1½s 1964-76 J-J	b2.10 to 4.15%		—
Serial bonds—			
1¼s 1964-1965 J-J	b2.25 to 3.00%		—
1½s 1966-1983 J-J	b2.90 to 4.40%		—
1¾s 1984-1996 J-J	b4.35 to 4.50%		—
Serial bonds (1948 issue)—			
3s 1964-1970 J-J	b2.10 to 2.95%		—
2¾s 1971-1998 J-J	b3.20 to 4.20%		—
Term bds 2¾s 78 opt 68 M-N	—	—	3.45
Issues dated June 1 1950—			
3s Jan 1 1964-1969	b2.10 to 2.85%		—
2¼s Jan 1 1970-1986	b3.20 to 4.15%		—
2s Jan 1 1987-1994	—	—	4.50
1½s Jan 1 1995-2000	—	—	4.65
Issues dated Oct 16 1951—			
2s 1964-1967 J-J	b2.45 to 3.15%		—
2¼s 1968-1977 J-J	b3.10 to 4.00%		—
Issues dated April 1 1953—			
3s 1964-1969 J-J	b2.45 to 3.00%		—
3¼s 1970-1973 J-J	b2.95 to 3.25%		—
3s 1974-1987 J-J	b3.30 to 2.85%		—
Philadelphia School District—			
2¾s impt 1964-73 M-S	b2.25 to 3.50%		—
2⅜s 1964-77 J-J	b2.25 to 3.85%		—
2s 1964-74 A-O	b2.30 to 3.70%		—
1¼s 1964-1970 F-A	b2.35 to 3.80%		—
Pittsburgh—			
1s 1964-65 F-A	b1.90 to 2.30%		—
1.20s 1964-66 F-A	b1.90 to 2.60%		—
2s 1964-68 A-O	b2.00 to 2.60%		—
1.80s 1964-69 A-O	b1.90 to 2.80%		—
1⅜s ref '58 ser A '64-67 F-A	b2.00 to 2.80%		—
3⅜s 1964-1981 J-J	b1.75 to 3.00%		—
Gen Public Improvement—			
1.80s of '51 A '64-71 J-J	b1.95 to 3.15%		—
Pub Parking Authority Project A Rev ser A—			
3½s 1981 A-O	93	—	—
Westmoreland County (Mun Auth of)—			
Water revenues series A—			
2⅝s 1964-68 J-J	b2.00 to 3.10%		—
2.70s 1968-72 J-J	b3.10 to 3.25%		—
2¾s 1973-76 J-J	b3.30 to 3.45%		—
2.80s 1977-85 J-J	b3.50 to 3.70%		—
Williamsport Munic Water Authority (Water rev ser A)			
1⅝s 1964-68 J-J	b2.20 to 3.20%		—
1¾s 1969-79 J-J	b3.25 to 3.70%		—
2s 1964-1975 J-D	b1.00 to 3.50%		—
York School District—			
1¼s imp 1964-70 F-A	b2.20 to 2.90%		—
RHODE ISLAND			
4s charit inst 1965 M-S	b2.00	1.90%	—
4s June 1 1977 J-D	b3.00	2.90%	—
4½s bridge 1970 F-A	b2.60	2.50%	—
1½s Dec 1 1964-66	b2.00 to 2.40%		—
State of Rhode Island and Providence Plantation			
3¼s 1964-85 M-S	b1.80 to 3.25%		—
2¼s 1964-74 A-O	b1.90 to 3.20%		—
2s 1964-75 J-D	b1.90 to 3.35%		—
Highway 2s 1964-72 M-N	b1.90 to 3.20%		—
Cranston 1¾s 1964-83 A-O	b2.10 to 3.85%		—
2½s series G 1964-74 F-A	b1.90 to 3.40%		—
4s 1964-66 J-J	b1.90 to 2.35%		—
4½s Mar 15 1964-78 M-S	b1.90 to 3.40%		—
Newport—			
2¼s waterwks 1964-71 M-S	b1.90 to 3.20%		—
Providence—			
4s Oct 1 1964 A-O	b1.95	1.85%	—
3.20s 1964-1984 M-S	b1.95 to 3.35%		—
2.30s 1964-1977 J-J	b1.95 to 3.45%		—
2s 1964-77 J-J	b1.95 to 3.55%		—
1⅜s 1964-1971 J-D	b2.05 to 3.45%		—
New Housing Authority—			
2⅛s 1986	—	—	3.60
Warwick (City)—			
3¼s 1964-91 A-O	b1.95 to 3.70%		—
Woonsocket—			
4½s 1964-1967 J-D	b1.95 to 2.60%		—

‡ Bid for average maturity. * Contemplated call at 104 on Aug. 3. b Basis. n Nominal.

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STATE AND MUNICIPAL BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Bonds—	Yield Basis or To Bid	Ask	Net
SOUTH CAROLINA			
Public Service Authority—			
2½s July 1 1964-71	b2.80	2.70%	--
2⅝s July 1 1972-77	b3.30	3.20%	--
2.70s July 1 1978-93	b3.70	3.60%	--
School (series U) 2½s 1964-82	b2.90	2.80%	--
State H'way Ctfs of Indeb't—			
1¼s 1964-65 M-N	b2.20	2.00%	--
State H'way 1.70s 1964-67 J-D	b2.40	2.25%	--
State H'way & Port purposes			
2.10s ser G 1964-1968 J-D	b2.40	2.25%	--
2.55s ser B 1964-1978 J-D	b2.70	2.60%	--
State Institution—			
1¾s 1964-70 A-O	b2.60	2.50%	--
2s 1971-74 A-O	b2.80	2.70%	--
State School 1½s 1964-68 A-O	b2.70	2.55%	--
2.35s 1964-75 J-D	b2.75	2.65%	--
2.30s 1964-74 F-A	b2.60	2.45%	--
2.20s 1964-68 M-N	b2.45	2.30%	--
3.10s 1964-78 M-N	b2.75	2.65%	--
Charleston—			
3¼s wat wks 1964-78 A-O	b3.00	2.90%	--
Greenville 3½s 1964-76 M-N	b3.00	2.90%	--
Water rev 2¼s 1964-71 A-O	b2.80	2.70%	--
Spartanburg—			
4½s water 1964-65 J-J	b2.25	2.10%	--
York (County of)—			
2½s 1964-68 M-N	b2.65	2.50%	--
2.60s 1969-71 M-N	b2.85	2.70%	--
TENNESSEE			
2.00s 1964-65 J-D	b2.10	2.00%	--
4½s July 1 1964-67	b1.70 to 2.40%		--
H'way & Educ Institutional			
4s 1964-69 M-N	b2.00 to 2.60%		--
3.10s 1970-71 M-N	b3.00	2.80%	--
3¼s 1972-75 M-N	b2.75 to 2.90%		--
3.30s 1976-79 M-N	b3.15	3.00%	--
Highway 4s 1964-68 M-S	b1.40 to 2.70%		--
2½s 1969 M-S	b2.60	2.50%	--
2.60s 1970 M-S	b2.70	2.60%	--
2.70s 1971-72 M-S	b2.90	2.70%	--
Tennessee Valley Authority—			
4.40s Nov 15 1985 M-N	101½	103½	--
Power bonds 1961 ser A			
4⅝s July 1 1986	104	106	--
Power bonds 1962 ser B			
4½s Feb 1 1987	103	105	--
Blount County—			
2½s 1964-72 J-D	b1.75 to 3.00%		--
2¾s 1973-76 J-D	b3.30 to 3.10%		--
Chattanooga—			
Electric Power Revenue—			
Series AA—			
1¾s 1964-66 J-J	b2.50 to 3.00%		--
1½s 1967-69 J-J	b3.40	3.20%	--
Ser B 2½s 1964-69 J-J	b1.90 to 2.75%		--
3s 1968-78 J-D	b2.70 to 3.25%		--
Davidson County—			
2¼s rural sch 1964-74 J-J	b1.80 to 3.00%		--
1.80s rural sch 1964-75 A-O	b1.80 to 3.25%		--
Johnson City ref 2½s 1964-70	b2.00 to 3.10%		--
Electric Revenue ser A			
1¼s 1964-1965 J-D	b2.00 to 3.50%		--
Knox County (Rural School)			
2½s 1964-68 M-N	b1.80 to 2.60%		--
Knoxville—			
General obligation 4½s	b3.70	3.50%	--
General obligation 4¾s	b3.80	3.60%	--
General obligation 5s	b3.90	3.70%	--
Water 4½s	b3.70	3.60%	--
Electric revenue ser A 1949			
2½s 1964-65 F-A	b1.90 to 2.25%		--
2¾s 1966-68 F-A	b2.25 to 2.50%		--
2s 1969 F-A	b3.00	2.75%	--
Memphis—			
TVA Lease Rental rev—			
3¼s 1965 J-J	b2.00 to 1.80%		--
3s 1966-1969 J-J	b2.00 to 2.25%		--
2½s 1971-1973 J-J2	b2.40 to 2.50%		--
2-2¾s 1974-1978 J-J	b2.60 to 2.80%		--
2.90s 1979-1982 J-J	b2.90 to 3.00%		--
3s 1983-1985 J-J	b3.10 to 3.00%		--
Elec Dist System rev—			
Series of 1963—			
4s 1964-1966 J-J	b1.65 to 2.00%		--
2½s 1967-1971 J-J	b2.15 to 2.55%		--
2¾s 1972-1974 J-J	b2.65 to 2.80%		--
2.90s 1975-1977 J-J	b2.85 to 2.95%		--
3s 1978-1981 J-J	bpar to 3.10%		--
Electric Plant—			
1.40s 1964-1969 J-D	b1.40 to 3.40%		--
4.40s 1992	108¾	110¾	--
Board of Education—			
1s 1964-75 J-J	b1.40 to 3.90%		--
General liability 1¾s			
and 1½s 1964-77 F-A	b2.00 to 3.75%		--
1¾s various 1964-74 M-N	b2.00 to 3.75%		--
2s various 1975-81 M-N	b4.00 to 3.90%		--
Nashville—			
4¼s 1964-67 J-J	b1.40 to 2.70%		--
2½s school 1964-88 A-O	b1.40 to 3.75%		--
1½s 1964-74 J-D	b1.75 to 3.75%		--
1s 1964-74 J-D	b1.75 to 3.90%		--
Elec Power Rev ser C—			
1¾s 1964-66 J-J	b1.40 to 3.10%		--
2s 1967-73 J-J	b3.25	3.10%	--
2¼s 1974-81 J-J	b3.75 to 3.60%		--
Street improvement—			
1.10s 1964-69	b1.40 to 3.50%		--
Robertson County—			
2½s 1964-66 A-O	b2.00 to 2.60%		--
2¾s 1967-70 A-O	b2.70 to 3.20%		--

Bonds—	Yield Basis or To Bid	Ask	Net
TEXAS			
Texas Turnpike Authority—			
Dallas-Fort Worth Revenue			
2.70s (1955 ser) 1980 J-J	96	99	--
2⅞s (1955 ser) 1995 J-J	92½	95½	--
Veterans' Land Bonds—			
1½s 1964-65	b1.70 to 1.90%		--
1¾s 1966-74	b2.00 to 3.00%		--
1¾s 1975-79	b3.10 to 3.80%		--
Series of 1953—			
2s 1966-68 J-D	b2.00 to 2.20%		--
2¼s 1969-77 J-D	b2.30 to 3.10%		--
2.40s 1978-81 J-D	b3.05 to 3.20%		--
2.40s 1982-89 opt '64 J-D	b3.25 to 3.45%		--
Series 1961-A			
3½s 1966 1991 J-D	b2.00 to 3.70%		--
Veterans' Land Bonds—			
Series 1961-B—			
3½s 1966-1971 J-D	b2.00 to 2.40%		--
3s 1972-1976 J-D	b2.50 to 2.80%		--
3¼s 1977-1987 J-D	b2.75 to 3.10%		--
3⅜s 1988-1991 J-D	b3.15 to 3.20%		--
Austin—			
1½s 1964-1968 J-J	b1.90 to 2.50%		--
1¾s 1967-75 J-J	b2.40 to 3.30%		--
Beaumont—			
4½s 1964-1970 J-J	b1.90 to 2.60%		--
4s 1964-77 A-O	b1.90 to 3.10%		--
Colo Riv Mun Wat Dist—			
Water Revenue Bonds—			
2s Jan 1 1964-66	b2.00 to 2.40%		--
2¼s Jan 1 1967-72	b2.50 to 3.10%		--
2⅜s Jan 1 1973-76	b3.20 to 3.35%		--
Corpus Christi—			
Gen obl 3½s 1964-73 J-D	b1.90 to 2.90%		--
Waterworks Revenue—			
3¼s 1964-1978 J-D	b1.80 to 3.05%		--
Dallas—			
4½s 1964-70 M-N	b1.75 to 2.50%		--
3¼s 1964-1973 J-J	b1.85 to 2.70%		--
1¾s 1964-69 F-A	b1.90 to 2.60%		--
1.70s 1964-1970 F-A	b1.90 to 2.75%		--
1s April 1 1964-68	b1.90 to 2.50%		--
Independent School District			
1s April 1 1964-68	b1.90 to 2.50%		--
2s 1964-67	b1.90 to 2.50%		--
1¾s 1964-67 M-N	b1.90 to 2.50%		--
Independent School Dist—			
Series A of 1949—			
1¾s 1964-66 J-D	b1.90 to 2.30%		--
1½s 1967-69 J-D	b2.40 to 2.60%		--
El Paso—			
Impt 2½s 1964-68 J-D	b1.90 to 2.60%		--
2¾s 1969-74 J-D	b2.70 to 3.00%		--
Fort Worth—			
3¾s Nov 1 1964-67 M-N	b1.90 to 2.60%		--
3s 1964-73	b1.90 to 2.90%		--
2½s 1964-72 M-N	b1.90 to 2.85%		--
2¼s 1964-71 A-O	b1.90 to 3.15%		--
Harris County—			
2¾s Road 1964-68 M-S	b1.90 to 2.60%		--
1.70s 1964-75 F-A	b1.90 to 3.75%		--
Flood Control District			
1¾s 1964-65 F-A	b1.90 to 2.40%		--
Houston—			
2¼s 1964-76 M-N	b1.90 to 3.25%		--
2s 1964-76 M-N	b1.90 to 3.40%		--
1¾s April 1 1964-71	b1.90 to 3.40%		--
1s 1964-65 F-A	b2.40 to 2.60%		--
1s April 1 1964-71	b2.40 to 3.50%		--
Various Imp Purposes—			
2¾s 1964-68 J-D	b1.90 to 2.65%		--
2¾s 1964-69 J-D	b1.90 to 2.65%		--
Houston (Ind Sch Dist)—			
2¾s 1964-74 J10-J	b1.90 to 3.40%		--
2½s 1975-78 J10-J	b3.20 to 3.50%		--
Public Imp purposes—			
4s 1964-1965 J-J	b1.80 to 2.00%		--
2¾s 1966-1973 J-J	b2.20 to 3.00%		--
3s 1974-1979 J-J	b3.00 to 3.25%		--
3¼s 1980-1983 J-J	b3.25 to 3.35%		--
Lower Colorado River Auth—			
Revenue Refunding			
2s 1964-70 M-N	b2.60 to 3.25%		--
San Antonio—			
5½s w w 1964-65 M-N	b1.90 to 2.15%		--
4½s 1964-67 J-J	b1.90 to 2.40%		--
4¼s 1964-68 F-A	b1.90 to 2.60%		--
2¾s 1964-66 M-S	b1.90 to 2.30%		--
2s Nov 1 1964-66	b1.90 to 2.30%		--
Elec & Gas—			
Rev ref 1¾s 1964-71 F-A	b1.80 to 3.25%		--
Electric & Gas Rev Imp			
(1962 series)			
5s 1964-70 F-A	b1.90 to 2.80%		--
2¾s 1971-74 F-A	b3.00 to 3.30%		--
3s 1975-79 F-A	b3.10 to 3.40%		--
3.10s 1980-81 F-A	b3.30 to 3.40%		--
3¼s 1982-84 F-A	b3.35 to 3.40%		--
Waco 4½s 1964-68 J-J	b1.90 to 2.65%		--
Wichita Falls—			
2¾s Dec 1 1964-74	b1.85 to 3.10%		--

UNITED STATES

See pages 4 and 80

Bonds—	Yield Basis or To Bid	Ask	Net
UTAH			
Various bonds—			
3s 1965 A-O	--	--	1.90
2.60s 1966-75 A-O	b2.00 to 2.65%		--
2¾s 1976-78 A-O	b2.70 to Par		--
2.80s 1979-80 A-O	--	--	par
VERMONT			
State 3s 1964-81 M-S	b1.60 to 2.85%		--
State 2s 1964-66 J-J	b1.60 to 1.80%		--
School Bldg 1½s 1964-74 M-S	b1.60 to 2.70%		--
School Bldg & H'way Const—			
3s 1964-77 J-J	b1.65 to 2.75%		--
3⅛s Aug 15 1964-79 F-A	b1.60 to 2.80%		--
Various 2.80s 1964-82 M-S	b1.60 to 2.85%		--
Burlington—			
1½s various 1964-75	b1.80 to 3.05%		--
Rutland—			
2.20s various 1964-75 J-J	b1.80 to 3.00%		--
VIRGINIA			
Toll revenue (series 1949)—			
3s (series 1954) 1994 M-S	97¾	100¼	--
Virginia Public School Auth			
School Financing 1963 A			
4¼s 1965-1967 J-J	b1.90 to 2.20%		--
2¾s 1968-1976 J-J	b2.30 to 2.80%		--
2.90s 1977-1979 J-J	b2.85 to 2.95%		--
3s 1980-1984 J-J	bPar to 3.10%		--
Virginia State Ports Authority			
Port Facilities Bonds—			
3s 1964-71 J-D	b1.70 to 2.85%		--
3¼s 1972-75 J-D	b2.90 to 3.05%		--
3½s 1976-79 J-D	b3.10 to 3.25%		--
3¾s Dec 1 1991	105	--	--
Alexandria 3s 1964-83 J-D	b1.70 to 3.25%		--
2½s Dec 15 1964-77	b1.70 to 3.35%		--
2¾s 1964-84 M-S	b1.70 to 3.60%		--
Charlottesville—			
Street Imp & Wat Syst—			
1.40s 1964-72 M-N	b1.75 to 3.35%		--
Chesapeake Bay Bridge &			
Tunnel District—			
4⅞s ser A July 2000	112	113	--
5½s ser B July 1 2000	115	--	--
5¾s ser C July 1 2000	113½	114½	--
Danville (City of)—			
2s 1964-68 J-J	b1.65 to 2.40%		--
Elizabeth River Tunnel Dist—			
4½s revenue 2000 F-A	112	115	--
Fairfax County—			
Sewer (series A)			
6s 1964-65 J-J	b1.85 to 2.15%		--
4¼s 1966 J-J	--	--	2.30
2¾s 1967-75 J-J	b2.40 to 3.50%		--
2.80s 1976-89 J-J	b3.60 to 3.90%		--
Fredericksburg (City of)—			
2s 1964-71 J-D	b1.70 to 3.10%		--
Hampton (City of)—			
2¾s 1964-68 J-J	b1.75 to 2.40%		--
3s 1969-78 J-J	b2.50 to 3.05%		--
Lynchburg 1.30s 1964-67 M-S	b1.75 to 3.20%		--
1¼s 1964-76 F-A	b1.75 to 3.65%		--
Newport News—			
2.30s Pub Bldg 1964-68 F-A	b1.70 to 2.40%		--
Norfolk—			
1.70s gen imp 1964-71 F-A	b1.65 to 3.15%		--
2¼s gen imp 1964-67 M-N	b1.65 to 2.25%		--
2.40s water 1964-67 J-D	b1.65 to 2.25%		--
2¾s gen imp 1964-72 J-D	b1.65 to 2.60%		--
4½s 1964-72	b1.65 to 2.00%		--
Water of 1948 series A—			
2½s Dec 1 1964-77	b1.65 to 3.20%		--
1962 issues			
5s 1964-72 J-J	b1.65 to 2.65%		--
3¼s 1973-83 J-J	b2.70 to 3.10%		--
3.40s 1984-85 J-J	--	--	3.15
Issues dated July 1 1963—			
5s 1964-1974 J-J	b1.70 to 2.75%		--
3s 1975-1981 J-J	b2.80 to 3.10%		--
3.20s 1982-1986 J1J	b3.10 to Par		--
Richmond—			
4½s July 1 1964 J-J	--	--	1.65
4¼s July 1 1965 J-J	--	--	1.90
1¾s 1964-68 J-J	b1.65 to 2.45%		--
1½s 1964-71 J-J	b1.70 to 3.10%		--
1¼s 1964-69 J-J	b1.70 to 3.30%		--
Public Improvement—			
2¾s 1964-71 J-J	b1.65 to 2.50%		--
3s 1972-82 J-J	b2.55 to 3.00%		--
Richmond-Petersburg—			
Turnpike Authority—			
3.45s Tpke rev 1995 J-J	99½	102	--
4½s Tpke rev 1995 J-J	106	--	--
Roanoke—			
2¾s water 1964-68 A-O	b1.70 to 2.30%		--
Gen obligation—Water System			
1¼s 1964-75 J-J	b1.85 to 3.90%		--
WASHINGTON			
Motor Vehicle Fuel Tax rev			
Revenue (series B)—			
2¼s Sept 1 1964-69	b2.00 to 3.25%		--
2½s Sept 1 1970-76	b3.10 to 3.60%		--
Pub Sch & Inst Bldg Const—			
2s May 1 1971 opt 1959	b3.25 less 1		--
State H'way Motor Vehicle			
Fuel Tax—			
1¾s 1965-72 opt '61 M-S	b2.75 to 3.50%		--
1¾s 1969 opt '61 M-S	b3.30 less 1		--
1¾s 1966-67 M-S	b3.00 less 1		--
1¾s 1968 M-S	b3.10 less 1		--
1¾s 1971-72 M-S	b3.30 less 1		--
1¾s 1973-75 M-S	b3.60 less 1		--
Washington Pub Power Supply			
System Parkwood Lake			
3⅝s 2012 M-S	97	--	--

Continued on page 94

*Bids for average maturity. b Basis. n Nominal. f Flat price.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

OVER-THE-COUNTER INSURANCE STOCKS

Stocks—	Par	Bid	Ask
Academy Life Ins (Colo)	30c	3¼	3½
Aetna Casualty & Surety Co	3.50	104	109½
Aetna Life Insurance Co	5	160	165½
Agricultural Insurance Co	10	39	42¾
All American Life & Casualty	1	22	22½
Allied Security Ins Co (S C)	1	7¼	8¼
American Annuity Life Ins	3.20	6	6¼
American Bankers Life Assurance Co of Fla class A	1	27½	29
American Capitol Ins (Texas)	*	3⅜	4
Amer Equitable Assurance Co	2.50	25	27
American Fidelity Life Ins Co	1	18	19⅜
American Foundation Pioneer Western Life Ins (Ark) class A	*	2⅝	3
American Founders Life (Austin)	*	56	60⅜
American Genl Insur Co Tex	1.50	97½	101½
American Heritage Life Ins Co— (Jacksonville Fla)	1	12	13⅛
American Home Assurance com	2.50	44	--
$4.64 prior preferred	15	94	--
Amer Hospital & Life Ins Co— (Texas)	1	15	16½
American Illinois Life Ins	25c	2⅝	3
American Income Life Ins (Ind)	1	13	14¼
American Indemnity Co (Galv)	10	45	--
Amer Independent Reinsurance Co	1	3⅛	3⅜
American Life Companies Inc	1	6	6¾
American Life Ins (Ala)	1	37½	40¼
American Mercury (Wash D C)	1	3¼	3⅞
American Motorist Ins (Chic)	3	22¼	23¼
American National Ins (Galv)	1	17¼	18⅝
American Pioneer Life Ins	2	4⅜	4⅞
American Re-insurance (N Y)	5	66¾	70¼
American Surety Co (N Y)	6.25	19	--
Amicable Life (Waco Texas)	10	135	--
Animal Insurance Co of Amer	2	17½	18½
Appalachian National Life Ins	1	5¼	5¾
Argonaut Insurance (Cal)	1	6⅞	7½
Aviation Employees Corp	10c	1⅝	2
Bankers National Life Insurance	2	70½	73½
Bankers Security Life Insurance Society (N Y)	1	45¾	48¾
Bankers & Shippers	10	55	59¾
Bankers Union Life Ins (Colo)— Class A	10	138	143
Beneficial Standard Life (L A)— Class A	1	26¾	28
Boston Insurance Co	5	37¼	39⅝
Business Men's Assurance Co of America	4	70½	71½
Calif Western States Life Ins	2.50	45	45¾
Century Life (Ft Worth)	*	n40	45
Cherokee Insurance Co (Tenn)	5	14½	15½
Citadel Life Ins (N Y)	10	47	--
Citizens Casualty Co of New York— Class A common	2	15¾	17½
Citizens Life Insurance Co of NY	2	31½	34½
Civil Service Employees	5	22¼	22¾
Coastal States Life Insurance	1.25	21¼	22¾
Colorado Insurance Service	*	1⅛	1⅜
Combined Ins Co of America	1	45⅛	45⅝
Commonwealth Life (Louisville)	2	60	63⅛
Connecticut General Life Ins	5	163½	170
Consumers Natl Life Ins (Ind)	1	7¼	7⅝
Continental American Life Ins (Wilmington Del)	10	66	68
Continental Assurance Co	5	134	135½
Continental Casualty Co	5	75½	78½
Cosmopolitan Insurance (Chic)	1	⅛	⅜
Craftsman Life Insurance (Boston)	10	12½	15
Criterion Insurance (D C)	2	50	51½
Crum & Forster	5	52¼	54⅞
Dallas Title & Guaranty	10	21	--
Denver National Life Ins	25c	2¼	2⅝
Eagle Fire (Newark)	1.25	4⅛	4¾
Eastern Life Ins Co N Y	1	23¾	25⅝
Educators Ins of Amer (Cal)	1.50	18	23
Employers Casualty (Dallas)	10	42	43½
Employer's Group Associates	*	79½	81
Employers Nat Life Insur Co	*	53	56
Employers Reinsurance Corp	5	74¾	77¼
Excelsior (N Y)	6	10	11
Farmers New World Life	10	460	--
Farmers Underwriters Assn (L A)	1	62¼	64
Federal Insurance Co. (N J)	4	70½	74
Fidelity Bankers Life Insurance	1	13½	14⅜
Fidelity & Deposit Co of Md	5	69¼	72½
Fidelity Union Life (Dallas)	10	540	575
Financial Corp of Amer (Calif)	1	16½	17¾
Firemen's (Washington D C)	20	29½	--
Firemans Fund Ins (S F)	1.25	36⅜	38⅜
First Colony Life Insurance	2.25	9	9¾
First National Life Ins (Ariz)	1	5	5⅝
First Pyramid Life Insurance Co of America	8	265	--
First United Life Ins (Ind)	1	4⅝	5⅛
Franklin Life Insurance (Springfield Ill)	2	63¾	66¾
General Life Ins Corp of Wis	45c	3⅞	4⅛
General Reinsurance	10	220	235
Georgia International Life Insurance Co	2.50	19¾	20⅛
Germantown Fire	30	135	150
Gibraltar Life Ins Co of America (Dallas)	*	13½	14⅝
Glens Falls Insurance (Glens Falls N Y)	5	45¼	48
Government Employees Corp	2	39	41
Government Employees Insur	4	75	79½
Government Employees Life Insurance	1.50	62¼	64
Great American Ins Co (N Y)	5	59½	62⅜
Great Amer Reserve Ins (Dallas)	3	84	--
Great National Life (Dallas)	2	32½	--
Great Plains Life Ins of Wyo	1	4¾	5¼
Great Northern Life Ins (Ind)	1	10½	11
Great Southern Life (Houston)	10	165	170
Greatamerica Corp	3	16½	17⅝
Guaranty National Ins (Colo)	50c	1	1¼
Guaranty Savings Life Ins (Mobile)	1	9	9½
Gulf Insurance (Dallas)	5	48	50
Gulf Life Insurance Co— (Jacksonville Fla)	2.50	54¼	58¼
Hamilton Life Ins Co of N Y	2	58	62⅜
Hanover Insurance Co	10	51¼	52
Harbor Insurance Co	5	10¾	12
Hartford Fire Insurance	5	69¼	72¼
Hartford Steam Boiler Inspec & Insurance Co	10	135	142
Home (New York)	5	75¼	78¼
Illinois Mid-Continent Life Insurance	50c	10½	11
Independence Life Insurance Co of America (Calif)	1.50	34½	37⅝
Inland Life Ins (Chicago)	50c	8	8¼
Insurance Co. of Oregon	2.50	12½	13¼
Insurance Co of the South	5	--	2¾
Intercoast Co Inc	10	13	14⅜
International Fidelity (Dallas)	*	1⅝	2⅛
International Life Insurance Co of Buffalo	2	34	36
Interstate Fire & Casualty (Chi)	5	22½	24
Interstate Life & Accident Ins (Tenn)	1	17½	18½
Investors Security Life Insurance (Illinois)	17½c	3⅝	4⅛
Jefferson National Life Insurance	1	30	31
Jefferson Standard Life (Greensboro N C)	5	100	104
Jersey Insurance Co	10	34	37⅝
Kansas City Life Ins	100	3,220	3,260
Kennesaw Life & Accident (Ga)	1	8⅜	9¼
Kentucky Central Life Ins Co— Class A	1	16⅞	18
Lamar Life Insur (Jackson Miss)	2	52¼	53¾
Lawyers Title Insurance Corp (Richmond Va)	5	28	29
Liberty Life Ins (Greenville S C)	2	31¼	32¾
Liberty Nat'l Life Ins (Birm)	2	69	69¾
Life Assurance Co of Penn	5	29	31⅜
Life & Casualty (Nashville Tenn)	3	31¼	33¼
Life Insurance Co of Georgia	10	180	185
Life Insurance Co of Virginia	10	124	129
Lincoln American Life Ins (Memphis)	1	4¼	4½
Lincoln Income Life Ins Co (Ky)	1	20	21
Lincoln Liberty Life Insur Co	1	16¾	18
Lincoln Natl Life (Fort Wayne)	5	169	172
Loyal American Life Ins (Mobile Ala)	1	5½	6⅛
Madison Life Ins Co (N Y)	2	17	18⅝
Manhattan Life Insurance Co	5	113	117¾
Maryland Casualty Co	1	48½	51
Massachusetts General Life Insurance Co	3	21¾	22¾
Massachusetts Indemnity & Life Insurance Co	5	56½	60⅞
Mercantile Security Life (Dallas)	10	39½	--
Mercury Casualty Co (Cal)	2	3¾	4⅜
Michigan Life Insurance	50	n825	--
Midwestern United Life Ins Co	1	72	74
Mission Equities Corp (Calif)	*	4½	5¼
Missouri Fidelity Life Ins	1	6½	6¾
Monumental Life Ins (Balt)	10	106	111½
Mtge Guaranty Ins Corp (Milw)	1	25⅝	26
Mutual Savings Life Ins (Ala)	1	11	12
National Casualty (Detroit)	10	80	90
National Fidelity Life Ins Co	2	33	33½
National Fire (Hartford)	10	115	127¾
National Investors Life Ins (Ark)	1	12½	14⅜
National Life Accident Insurance (Nashville)	5	99	102¼
National Old Line Life Ins— Class AA common	1	24¼	25⅝
Class BB common	1	24⅛	24½
National Union Fire (Pittsburgh)	5	47	49¾
National Western Life Ins	1	8	8¼
Nationwide Corp class A	2.50	15	16⅛
New Hampshire Insurance Co	5	33	35¼
New York Fire Insurance	5	45	48½
North American Life (Chic)	2	30¼	--
North American Life & Casualty Co	1	23⅜	23¾
Northeastern (Hartford)	3.33⅓	14	16¾
North River Insurance (N Y)	2½	43½	46⅞
Northwestern Nat'l Ins (Milw)	5	33⅜	33⅞
Northwestern National Life Insurance (Minn)	2.50	33¼	33¾
Occidental Life Ins Co of N C	1	14⅞	--
Ohio Casualty Insurance	1.25	25	26
Ohio State Life (Columbus Ohio)		38½	39½
Old Line Life Ins Co of America	2	52	53
Old Republic Insurance (Pa)	5	16½	17½
Old Republic Life Ins (Chic)	1.50	30	31
Pacific Employers Ins (L A)	5	32	--
Pacific Indemnity Co	3.33⅓	35	37⅜
Pacific Insurance Co of N Y	10	56	60⅜
Pacific Mutual Life Ins of Calif	1	6½	7½
Pacific National Life Assurance Co. (Calif)	100	24	26¼
Pacific Southwest Life Ins	50c	½	⅞
Peerless Insurance Co	5	63¼	66½
Peninsular Life Ins (Fla)	5	34½	--
Peoples Life Ins (Wash D C)	5	65½	70
Philadelphia Life Insurance	5	114½	116½
Phoenix Insurance (Hartford)	10	116	120¾
Piedmont Southern Life Ins	10	72	75
Pioneer American Life Ins (Tex)	1	16½	18⅜
Pioneer Home Owners Life Ins	1	9¼	9¾
Professional & Business Men's Insurance Co (Houston)	1	a6⅛	6½
Protective Life Ins (Birm Ala)	5	58	60
Protective Security Life Ins (Cal)	1	1⅞	2⅛
Providence-Washington (Prov)	10	29½	31⅞
$2 convertible preferred	10	46	49
Provident Life & Accid't (Tenn)	10	95	100
Provident Life Ins (Bismarck)	2.50	36¾	38¼
Public Savings Insurance (S C)	1	4½	5¼
Pyramid Life Ins (Charlotte)	5	24½	26½
Quaker City Life Ins Co	5	95	96½
Reinsurance Corp (New York)	2	23	25⅛
Renewal Guaranty Corp	1	2½	3
Republic Franklin Life Insurance— Class A	1	6¾	7⅛
Republic Insurance (Dallas)	5	30	31½
Republic National Life Ins (Dallas)	1	69	73
Reserve Insurance Co (Ill)	3.50	14¼	15
Rio Grande Natl Life (Dallas)	10	90	--
St Paul Fire & Marine Ins Co	6.25	62	65½
Seaboard Life Insurance Co of America (Florida)	1	9⅛	10
Seaboard Surety Corp (N Y)	5	46	49
Security Insurance Co of N H	10	67½	71
Security Life & Accident (Colo)	2	42	44⅞
Security Life & Trust (Winston-Salem N C)	5	89	93½
Security Title & Guar Co (N Y)	5	7¼	7⅝
South Coast Life Ins (Houston)	*	8½	9¼
Southern Equitable Life Ins (Ark)— Class A common	10c	2⅝	2⅞
Class B common	10c	2⅜	2⅝
Southern Fire & Casualty Co	*	5	5½
$1.50 conv preferred	25	23	25½
Southland Life Ins (Dallas)	5	165	170
Southwest Indemnity & Life Ins	2	7½	8¼
Southwestern Insurance Co	1	1⅝	1⅞
Southwestern Life Ins (Dallas)	5	147	150
Springfield Insurance Co Common	2	53¾	56¾
$6.50 preferred	10	101	105½
Standard Security Life Insurance Co of N Y	2	13⅜	14⅜
Standard Union Life Ins (Ala)	2	3½	3¾
State Life of Colo	1	2⅞	3¼
States General Life Ins (Texas)	1	8	9½
Stuyvesant Insurance Co	5	42	--
Stuyvesant Life Ins Co (Pa)	10	200	--
Sunset Life Ins (Wash)	10	92	--
Surety Life Ins (Utah)	10	17	18⅜
Telephone Employees Life Ins	10	22	25
Tidelands Life Ins (La)	1	3⅛	3⅝
Title Guaranty Co (N Y)	8	26¼	28¾
Title Insur & Trust (Los Ang)	2.50	62	65½
Travelers Insurance Co	5	191½	197
Trinity Universal Life (Dallas)	5	39	41
Union Bankers Ins (Texas)	1	9½	11
Union Trust Life Ins (Minn)	1	12	13
United American Life Ins (Denver)	1	29¾	30¾
United Family Life Ins Co	50c	5⅞	6⅛
United Fidelity Life (Dallas)	10	81	85
United Insur Co of America	2.50	62½	66
United Security Life Ins (Ala)	1	20½	23¼
United Services Life Ins	1	73	77½
U S Fidelity & Guarantee (Balt)	5	67¾	71
United States Fire Ins Co	3	32½	34¾
U S Life Insurance Co in the City of New York	2	83¼	87
Universal Life & Accident (Dallas Texas)	10	32	34
Variable Annuity Life Ins Co of America	1	11	11¼
Volunteer State Life Insurance (Chattanooga Tenn)	10	117	--
Vulcan Life & Accident Ins— (Birmingham Ala)	2.50	20¾	21½
Washington Nat'l Insurance (Ill)	10	81½	82½
West Coast Life Insur (San Fran)	5	55	--
Westchester Fire (New York)	2	36	38⅝
Western Casualty & Surety	5	47	48½
Western Empire Life Ins	25c	¾	1¼
Western Insurance Sec common	*	180	205
Partic pref A	*	57	--
Western Pacific Ins (Wash)	10	19½	20½
Western Reserve Life Assurance (Ohio)	1	17½	19⅛
Wilshire Insurance (Calif)	2	4⅞	5½
Wisconsin National Life Ins	10	64	65½

*No par value a Called for redemption, see page 94. k Last sale. n Nominal. r Canadian dollar value. t New stock. x Ex-dividend. y Ex-stock dividend.

Primary Markets

INSURANCE STOCKS

BANK STOCKS

MIDDENDORF, COLGATE & CO.

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AMERICAN STOCK EXCHANGE (ASSOCIATE)

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Banks and Trust Companies

Quotations in this department are quoted per share, not per cent, and are as near as possible for the *closing day of the month preceding date of issue*, though they often are nominal. An asterisk (*) denotes a recent sale.

QUOTATIONS FOR ALL SECURITIES ARE AS OF JUNE 28, 1963

ALABAMA

	Par	Bid	Ask
Birmingham—			
Birmingham Trust Natl Bank	10	43	46
Exchange-Security Bank	1	6½	7
First National Bank	10	53½	55½
Mobile—			
American National Bank & Trust	10	27	28
First National Bank	25	192	—
Merchants National Bank	10	56	—
Montgomery—			
Alabama National Bank	10	67	—
First National Bank	5	32	34
Peoples Bank & Trust Co	1	7½	8¼
Union Bank & Trust Co	5	64	—

ARIZONA

Phoenix—			
The Arizona Bank	5	29½	30½
Valley National Bank of Arizona	5	62	62¾

ARKANSAS

Little Rock—			
Amer Natl Bank No Little Rock	20	66	72
Commercial National Bank	20	69	72
First National Bank (The)	25	47½	49
Union National Bank	20	76	80
Pine Bluff—			
National Bank of Commerce	10	38½	40½

CALIFORNIA

Beverly Hills—			
City Natl Bank of Beverly Hills	5	28⅛	30
Hawthorne—			
Pacific State Bank	3	25	27¼
Los Angeles—			
Bank of Los Angeles	10	22	24
Citizens National Bank	10	a94	97
Manufacturers Bank of L A	7.50	35	37
Peoples Bank	12	25½	27½
Security-First National Bank	12½	80⅜	80⅞
Union Bank	7.50	77	78
Wilshire National Bank	7.50	24	26
Mar Vista—			
Fidelity Bank	40	33½	36⅝
Oakland—			
Central Valley National Bank	10	35½	36½
Oakland Bank of Commerce	50	340	—
Pacolma—			
San Fernando Valley Bank	3.50	18¼	19⅞
San Bernardino—			
American National Bank of San Bernardino	5	64	—
San Diego—			
First Natl Trust & Savings Bank	5	48¼	50¼
San Diego Trust & Savings Bank	25	120	—
U S National Bank	10	49	50½
Santa Monica—			
Santa Monica Bank	3	26½	28¾
San Francisco—			
Bk of Amer Natl Tr & Sav Assn	6¼	63¼	66⅝
Bank of California N A	10	63½	66
Bank of Trade	10	21½	23
Century Bank	15	13	14⅛
Continental Bank	15	28½	30⅞
Crocker-Anglo National Bank	10	a55¼	58½
First Westn Bank & Trust Co	12.50	56½	59⅞
Golden Gate National Bank	5	32½	33½
Hibernia Bank (The)	25	87½	91½
Pacific National Bank	10	56	58¾
United California Bank	12½	64½	68
Wells Fargo Bank	10	80½	83½
San Jose—			
First National Bank	5	38	40¼

CANADA

Prices are in Canadian Dollars

NOVA SCOTIA

Halifax—			
Bank of Nova Scotia	10	70¼	70¾

ONTARIO

Toronto—			
Canadian Imperial Bank of Commerce	10	62	62¼
Chartered Trust Co	10	61	67
National Trust Co	2	25¼	25⅞
Toronto Dominion Bank	10	61¾	62

QUEBEC

Bank of Montreal	10	63½	64⅛
Banque Canadienne	10	76¼	79
Provincial Bank of Canada	10	48¾	49
Royal Bank of Canada	10	75⅛	75½

COLORADO

Denver—			
Central Bank & Trust	10	21½	22½
Colorado National Bank	25	82	86
Denver U S National Bank	10	35	37
First National Bank	50	240	270
Ex 13.3% stock dividend			

CONNECTICUT

Bridgeport—			
City Trust Co	10	55	57½
Connecticut National Bank	5	19	20
Glastonbury—			
Glastonbury Bank & Trust Co	10	115	—
Greenwich—			
Putnam Trust Co	10	52½	—
Hartford—			
Connecticut Bank & Trust Co	12½	71	72½
Glastonbury Bank & Trust	10	115	—
Hartford National Bk & Tr Co	10	66½	68
Riverside Trust Co	10	55	57
Simsbury Bank & Trust Co	10	100	—
South End Bank & Trust Co	10	35	—
Meriden—			
Home National Bank & Trust Co	10	36½	—
Meriden Trust & Safe Dep Co	25	58	—
Puritan Bank & Trust Co	25	58	—
New Haven—			
First New Haven National Bank	10	37½	39½
General Bank & Trust Co	12.50	37	—
Second National Bank	12½	50½	52½
Tradesmen's National Bank	10	72	—
Union & New Haven Trust Co	10	42	44
New London—			
Union Bank & Trust Co	100	a500	—
Winthrop Bank & Trust Co	25	a40	—
Stamford—			
Fairfield County Trust Co	10	51½	52½
Stamford Fidelity Bk & Tr Co	10	51	—
State National Bank of Conn	10	42½	44
Waterbury—			
Colonial Bank & Trust Co	10	69	71
Connecticut Natl Bk of Bridgeport	5	19⅜	20⅜
Waterbury National Bank	12½	40	—

DELAWARE

Wilmington—			
Bank of Delaware	10	43½	45½
Colonial National Bank	10	33	—
Commercial Trust Co	10	17	—
Delaware Trust Co	5	65	—
Farmers Bank	5	114	—
New common when issued Ex 200% stock dividend		t38	—
First Natl Bank of Wilmington	10	15½	16½
Peoples Bank & Trust Co	25	100	—
Wilmington Trust Co	6.25	81	—

DISTRICT OF COLUMBIA

Washington—			
American Security & Trust Co	10	142	146
Bank of Commerce	100	460	—
Industrial Bank	10	30	—
International Bank	1	3⅞	4¼
National Bank of Washington	10	57	61
National Savings & Trust Co	10	90	—
Riggs National Bank	25	182	186
Security Bank	25	110	—
Union Trust Co	10	48	—

FLORIDA

Jacksonville—			
American National Bank	10	47	50
Atlantic National Bank	10	88	90
Barnett Natl Bk of Jacksonville	20	72	74
Barnett National Securities	4	25	27
Central National Bank	10	14	16
First Bank & Trust Co	10	23	25
Florida National Bank	25	42	44
Riverside Bank	10	45	47
State Bank of Jacksonville	10	35	37
Miami—			
First National Bank	10	72¼	73¼
Florida National Bank & Tr Co	25	72	—
Little River Bank & Trust Co	10	36	—
Merchants Bank of Miami	10	25	—
Metropolitan Bank of Miami	10	17½	18½
Miami Beach First Natl Bank	10	71	—
Palm Beach—			
First National Bank	10	*79	—
St. Petersburg—			
City Bank & Trust Co	20	58	63
First Natl Bank in St Petersburg	5	15	17
Florida National Bank	25	38	42
Union Trust Co	12½	42½	—
West Palm Beach—			
Atlan Natl Bk of West Palm Bch	10	50	55

GEORGIA

Atlanta—			
Bank of Georgia (The)	10	60	—
Citizens & Southern Natl Bank	10	91	92
First National Bank	10	60½	61¼
Fulton National Bank	10	59½	60½
Georgia Savings Bank & Tr Co	100	325	—
Peoples Bank (The)	10	34	—
Trust Co of Georgia	10	165	—
Augusta—			
First Natl Bank & Trust Co	10	*47.52	—
Savannah—			
Citizens & Southern Natl Bank	10	90	92½
Liberty National Bank & Trust	10	38	—
Savannah Bank & Trust	10	42½	45

HAWAII

Bank of Hawaii	8	56¼	57
First National Bank of Hawaii	10	61	61¾
Hawaiian Trust Co	20	51	—

IDAHO

Boise—			
Idaho First National Bank	10	58	61

ILLINOIS

Aurora—			
Aurora National Bank	25	90	—
Chicago Banks—			
Aetna State Bank	12½	21	—
American National Bk & Tr	100	655	680
Avenue St Bank Oak Park	40	110	—
Bank of Chicago (The)	15	30	—
Belmont Natl Bank of Chicago	10	43	—
Beverly Bank	25	85	—
Central National Bank	10	42	45
Chatham Bank of Chicago	100	200	—
Citizens National Bank	2	48	—
Commercial National Bank	20	40	—
Cont Ill Natl Bank & Trust	33⅓	174	177
Cosmopolitan National Bank	100	182	185
Devon-North Town State Bank	20	70	78
District National Bank	10	40	—
Drexel National Bank	40	47	52
Drovers National Bank	10	30	—
Exchange National Bank	10	46	50
First Commercial Bank	20	59	—
First National Bank (Chicago)	20	78	80
First National Bank of Lincolnwood	10	15	18
First Security Trust & Sav	13⅓	14	—
Guaranty Bank & Trust Co	20	31	—
Irving State Bank	10	28	32
Jefferson State Bank	25	55	—
Lake Shore National Bank	10	41	45
La Salle National Bank	25	46	49
Lawndale National Bank	10	61	—
Lincoln National Bank	25	70	—
Live Stock National Bank	20	36	—
Madison Bank & Trust Co	10	36	—
Main State Bank	10	35	—
Manufacturers National Bank	20	59	—
Marquette National Bank	20	50	—
Merchandise National Bank	10	36	38
Mercantile National Bank	20	55	97
Metropolitan State Bank	100	750	—
Michigan Avenue Natl Bank	20	60	—
Mid-America National Bank	40	115	—
Mid-City National Bank	100	260	280
Mutual National Bank of Chicago	1	36	—
National Bank of Albany Pk	12½	37	42
National Bank of Austin	50	84	—
National Bank of Commerce	20	57	—
National Bank of Hyde Park	20	57	—
National Boulevard Bank	20	95	—
Natl Security Bank of Chicago	25	77	82
North Shore National Bank	10	43	48
Northwest National Bank	20	77	—
Oak Park Trust & Savings Bank	50	110	—
Park National Bank	10	23	—
Peoples National Bank	10	22	26
Pioneer Trust & Savings Bank	25	90	105
Sears Bank & Trust Co	25	96	—
South Chicago Savings Bank	62½	195	—
South East National Bank	10	38	42
South Shore National Bank	10	37	—
State Bank of Clearing	100	180	—
Steel City National Bank	10	24	—
Univ National Bank of Chicago	100	700	—
Upper Avenue National Bank	50	135	—
Uptown National Bank	25	73	78
Western National Bank of Cicero	20	50	—
Chicago Trust Cos—			
Amalgamated Trust & Sav Bk	100	80	—
Chicago City Bank & Trust Co	50	125	—
Colonial Bank & Trust Co	10	35	—
Harris Trust & Savings Bank	20	100	103
Lake View Trust & Savings Bank	20	150	—
Northern Trust Co	20	130	134
South Side Bank & Trust Co	10	10	—
Peoria—			
Commercial National Bank	20	50	51
First National Bank	20	62	—
Jefferson Trust & Savings Bank	10	15	—
Prospect National Bank	20	34	—
South Side Trust & Sav Bank	100	120	—
University National of Peoria	20	34	—
Quincy—			
Broadway National Bank	25	35	—
Illinois State Bank	83⅓	85	—
Mercantile Trust & Sav Bank	50	100	—
South Side Bank of Quincy	100	110	—
Rockford—			
American National Bk & Tr Co	40	100	—
Central Natl Bank & Trust Co	25	90	—
City National Bank & Trust— New	20	30	—
First Natl Bank & Trust	40	87½	—
Springfield—			
First National Bank	20	70	—
Illinois National Bank	10	36	—
Springfield Marine Bank	25	100	—

INDIANA

Evansville—			
Citizens National Bank	12.50	42½	43½
Lamasco Bank	10	16	17
National City Bank	10	26	27
Old National Bank	10	36	38
Gary—			
Bank of Indiana	10	52½	56½
Gary National Bank	10	500	—
Indianapolis—			
Amer Fletcher Natl Bk & Tr Co	10	57	60
Indiana National Bank	20	95½	—
Live Stock Exchange Bank	10	37	—
Merchants Natl Bank & Trust	10	64½	—

*Sale price. a See comprehensive footnotes below. d Ex-rights. e Ex-5% stock dividend. t New stock. x Ex-dividend. z Ex-10% stock dividend. y Ex-20% stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

	Par	Bid	Ask
South Bend—			
American Bank	10	22	23
First Bank & Trust Co	10	40	42
National Bank & Trust Co	10	30	32
St Joseph Bank & Trust Co	20	57	60
Terre Haute—			
Merchants National Bank	25	50	--
Terre Haute First Natl Bank	20	70	73

IOWA

	Par	Bid	Ask
Cedar Rapids—			
Guaranty Bank & Trust Co	20	51	--
Merchants National Bank	50	1,100	1200
Peoples Bank & Trust Co	20	50	--
Council Bluffs—			
City National Bank	10	40	--
Council Bluffs Savings Bank	100	210	--
State Savings Bank	100	225	--
Des Moines—			
Bankers Trust Co	25	92½	95½
Capitol City State Bank	100	175	--
Central National Bank & Tr Co	50	375	400
Valley Bank & Trust Co	100	190	--

KANSAS

	Par	Bid	Ask
Topeka—			
Fidelity State Bank	100	400	--
First National Bank of Topeka	10	40	42
Merchants National Bank	25	51	52½
State Savings Bank	100	150	--
Topeka State Bank	25	75	--
Wichita—			
First National Bank	100	390	--
Fourth National Bank	10	47	49
Union National Bank	10	42	43½

KENTUCKY

	Par	Bid	Ask
Covington—			
Citizens National Bank	100	225	--
Covington Trust & Banking Co	10	22	--
First National Bk & Trust Co	10	39	--
Peoples-Liberty Bank & Trust	10	22	--
Security Bank	100	350	--
Lexington—			
Bank of Commerce	25	92	--
Citizens Union Natl Bk & Tr Co	10	31	32
First Security Natl Bank & Tr	12½	62	64
Second National Bank & Tr Co	100	275	--
Louisville—			
Bank of Louisville	20	a63	--
Citizens Fidelity Bank & Trust	10	54¼	--
First National Bank	No par	133	--
Liberty National Bank & Trust	25	86	--
Louisville Trust Co	10	35	--
Royal Bank & Trust Co	10	a60	--
Stock Yards Bank	20	80	--
Newport—			
Newport National Bank	10	38	42

LOUISIANA

	Par	Bid	Ask
Jefferson Parish—			
First National Bank	1	65	72
National Bank of Commerce	10	34	--
New Orleans—			
Bank of La in New Orleans	10	19½	--
Bank of New Orleans & Trust Co	12.50	35	--
Hibernia National Bank	10	56	--
Natl Amer Bank of New Orleans	10	49	51½
National Bank of Commerce	10	53½	55½
Whitney Holding Co	*	51	52
Shreveport—			
Commercial National Bank	25	70	--
First National Bank	12½	70	72

MAINE

	Par	Bid	Ask
Augusta—			
First National Granite Bank	20	52	56
Depositors Trust Co	12.50	53	56
Bangor—			
Eastern Trust & Banking Co	100	325	--
Merchant's National Bank	20	33	--
Merrill Trust Co	20	44	47
Lewiston—			
First-Manufacturers National Bank of Lewiston & Auburn	12.50	38½	--
Portland—			
Canal National Bank	10	36	38
Casco Bank & Trust Co	12½	40	42
First National Bank	25	72	75
Waterville—			
Federal Trust Co	25	65	70
Westbrook—			
Westbrook Trust Co	25	49	52

MARYLAND

	Par	Bid	Ask
Baltimore—			
Carrolton Bank of Baltimore	10	60	--
Equitable Trust Co	10	120	125
First National Bank of Md	10	57½	58½
Maryland National Bank	10	84	85½
Mercantile Safe Deposit & Tr Co	10	74½	76
Union Trust Co	10	67½	69
Cumberland—			
First-Second National Bank	20	40	--
Liberty Trust Co	10	28	--
Frederick—			
Farmers and Mechanics-Citizens National Bank of Frederick—Name changed to Farmers and Mechanics National Bank	10	40	--
Frederick Co National Bank	10	29½	--
Fredericktown Savings & Trust	20	55	--
Western Maryland Trust	10	51	--
Hagerstown—			
Farmers & Merchants Bank	10	25	--
Hagerstown Trust Co	10	21	--
Nicodemus National Bank	10	a67½	--
Second National Bank	10	a99	--

MASSACHUSETTS

	Par	Bid	Ask
Boston—			
Boston Safe Deposit & Trust	25	150	--
City Bank & Trust Co	5	37	42
First National Bank	12.50	86½	89½
National Shawmut Bank	12½	66	69
New England Merchants National Bank	10	53½	57½
State Street Bank & Trust Co	10	39	41½
United States Trust Co	10	41	44½
Beverly—			
Beverly National Bank	25	51	--
Beverly Trust Co	10	40	--
Brockton—			
Natl Bank of Plymouth County	10	35	--
Plymouth-Home National Bank	20	50	--
Cambridge—			
Cambridge Trust Co	25	135	--
Harvard Trust Co	10	90	--
Everett—			
Everett National Bank	10	31	--
Middlesex Co National Bank	10	53	--
Fall River—			
Durfee (B M C) Trust Co	25	112	--
Fall River National Bank	25	80	--
Fall River Trust	100	225	--
Fitchburg—			
Safety Fund National Bank	50	170	--
Gloucester—			
Cape Ann Bank & Trust Co	20	70	--
Gloucester National Bank	10	29	--
Haverhill—			
Haverhill National Bank	100	1400	--
Merrimack Valley National Bank	20	44	47½
Holyoke—			
Holyoke National Bank	10	30	--
Park National Bank	50	80	--
Lawrence—			
Bay State Merchants National	12½	40	--
Lowell—			
Union National Bk of Lowell	12½	71	--
Lynn—			
Essex Trust Co	10	35	--
Lynn Safe Deposit & Trust	100	420	--
Security Trust Co	10	35	39
Malden—			
First National Bank	50	165	--
Malden Trust Co	10	46	49½
New Bedford—			
First Safe Deposit National Bk	5	22	--
Merchants National Bank	10	44	--
Salem—			
Merchants-Warren Natl Bank	10	36	--
Naumkeag Trust Co—			
Common	10	75	--
Preferred	10	10	--
Springfield—			
Safe Deposit & Trust Co	10	35	37½
Security National Bank	10	53	--
Third Natl Bank of Hampden Co	10	36	--
Valley Bank & Trust	10	42	--
Taunton—			
Bristol County Trust	25	105	--
First Machinists' National Bank	10	27	29½
Worcester—			
Mechanics National Bank	100	650	--
Guaranty Bank & Trust Co	10	38	--
Industrial City Bank & Bkg Co	10	46	--
Worcester County Natl Bank	10	57	60

MICHIGAN

	Par	Bid	Ask
Bay City—			
Bay City Bank	20	36	--
Peoples Natl Bank & Trust Co	10	31	--
Dearborn—			
Bank of Dearborn	10	28	29
Detroit—			
Bank of the Commonwealth	16⅔	53	56
City National Bank of Detroit	10	41	42
Detroit Bank & Trust Co	10	58¾	59½
Manufacturers National Bank	10	62	62½
National Bank of Detroit	12½	69¼	70
Public Bank	25	15	15½
Flint—			
Citizens Commercial & Savings Bank	20	75	77
Genesee Merchants Bk & Trust	10	62½	64½
Grand Rapids			
Central Bank	10	54	57
Citizens Industrial Bank	100	350	--
Old Kent Bank & Trust Co	10	57	60
Union Bank & Trust Co	10	57	60
Lansing—			
Michigan National Bank	10	33	35
Montrose—			
Montrose State Bank	20	55	--
Saginaw—			
Second National Bank	25	68	71

MINNESOTA

Minneapolis—

First Bank Stock Corp—
Holds controlling interest in banks, etc., throughout the Ninth Federal Reserve District.
Quotation on page 65.

MISSISSIPPI

	Par	Bid	Ask
Jackson—			
Depos Guaranty Bank & Trust	10	85	87
First National Bank	5	60	61
Vicksburg—			
First National Bank of Vicksburg	8	30	--

MISSOURI

	Par	Bid	Ask
Kansas City—			
Baltimore Bank new $25 par Shares split 4-for-1		t52	--
Blue Hills Bank of Commerce	20	50	--
Central Bank	20	43	--
City National Bank & Trust Co	25	76	80
Columbia National Bank	25	59	--
Commerce Trust Co	20	63	68
Community State Bank	20	42	--
First National Bank	25	100	108
Grand Avenue Bank	20	72	--
Kansas City Bank & Trust Co	25	125	--
Linwood State Bank	20	33½	--
Livestock National Bank	10	23	--
Manufacturers & Merchants Bk	20	47	--
Merchants-Produce Bank	20	46	--
Mercantile Bank & Trust	25	37	--
Missouri Bank & Trust Co	100	210	--
National Bank in North KC	20	60	--
Park National Bank	100	200	--
Peoples Bank	100	140	--
Plaza Bank of Commerce	20	58	--
Southeast State Bank	100	200	--
South Side Bank	100	300	--
Traders National Bank	25	51	56
Union National Bank	10	35	--
University Bank	20	55	--
Westport Bank	100	350	--
St Joseph—			
First National Bank	100	250	--
St Louis Banks—			
American National Bank	20	45	--
Baden Bank	20	45	--
Big Bend Bank	25	49	--
Boatmens' National Bank	10	40	42
Bremen Bank & Trust Co	20	65	--
Cass Bank & Trust Co	20	55	--
Clayton Bankshares Corp	1	4½	5½
Crestwood Bank	20	30	35
Crestwood Bank Shares Holding Co Units		12	14
First National Bank	10	42	43
Hampton Bank	10	20	22
Jefferson Bank & Trust Co	20	45	--
Jefferson-Gravois Bank	30	40	--
Manchester Bank	10	35	37
Manufacturers Bank & Trust Co	20	73	--
Northwestern Bank & Trust Co	20	50	--
St Louis Co National Bank	20	43	--
Security Trust Co	10	38½	39½
Southern Commercial & Sav Bk	20	58	--
South Side National Bank	20	78	--
Southwest Bank	10	26	27
Tower Grove Bank & Trust Co	20	43	--
St Louis Trust Cos—			
Chippewa Trust Co	20	30	--
Lindell Trust Co	10	35	--
Mercantile Trust Co	12.50	49½	50½
Mound City Trust Co	10	22	23
North St Louis Trust Co	20	85	--
St Louis Union Trust Co	10	65	67

NEBRASKA

	Par	Bid	Ask
Lincoln—			
First National Bank & Trust Co New $10 par (split 2-for-1)		40½	42
National Bank of Commerce & Savings Association	20	65	67
Omaha—			
First National Bank	5	41	--
Omaha National Bank	10	42	44½

NEW HAMPSHIRE

	Par	Bid	Ask
Manchester—			
Amoskeag National Bank	100	1200	--
Nashua—			
Indian Head National Bank	25	115	--
Nashua Trust Co	25	90	--
Second National of Nashua	100	250	--
Portsmouth—			
First National Bank	20	60	--

*Sale price. a See comprehensive footnotes on page 93. d Ex-rights. t New stock. x Ex-dividend. y Ex-stock dividend. z Ex-50% stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

NEW JERSEY

	Par	Bid	Ask
Asbury Park—			
Asbury Park & Ocean Grove Bk	5	a29	30
First Merchants National Bank	2.50	10½	11
Atlantic City—			
Boardwalk National Bank	10	25½	27½
Guarantee Bank & Trust	1	6¾	7¼
Bayonne—			
Broadway National Bank	50	175	--
Bridgeton—			
Bridgeton National Bank	100	133	--
Cumberland National Bank	100	260	--
Farmers & Merch Natl Bank	20	36	--
Camden—			
Camden Trust Co	5	49¼	50
First Camden Natl Bk & Tr Co	6¼	49	51
Merchantville Natl Bk & Trust	5	38	--
Elizabeth—			
Central Home Trust Co	20	80	85
Elizabethport Banking Co	20	78	85
National State Bank	10	41½	43½
Union County Trust Co	10	44	47
Freehold—			
Central Jersey Bk & Tr Co	2.50	12¾	13¾
Hackensack—			
Bergen County National Bank	25	165	--
Peoples Tr Co of Bergen County	5	30½	32
Haddonfield—			
Haddonfield National Bank	5	34	36
Jersey City—			
Commercial Trust Co	10	48	51
First National Bank	10	41	44
Hudson County National Bank	10	29	32
Trust Company of New Jersey	2½	11½	13
Long Branch			
New Jersey Trust Co	12.50	a100	110
Maplewood—			
Maplewood Bank & Trust	20	192	200
Morristown—			
First National Iron Bank	10	40	42
Trust Co of Morris County	20	70½	72
Mt Holly—			
Union Natl Bank & Trust	10	36	--
Newark—			
Bank of Commerce	25	46	49
Broad National Bank	30	46	--
Fidelity Union Trust Co	5	52	54
Natl Newark & Essex Banking	10	35½	37½
National State Bank	6.25	42	44
New Brunswick—			
National Bank of N J	10	45	--
New Brunswick Trust Co—			
Common	10	14	--
3% class A preferred	10	10	--
Peoples National Bank	25	70	--
Passaic—			
Bank of Passaic & Clifton	10	56	--
Paterson—			
Broadway Bank & Trust	6½	32	34
First National Bank of Passaic County	25	102½	105
Franklin Bank	10	33	34
New Jersey Bank & Trust Co	11	43½	44¼
Peoples Bank of Hawthorne	10	15	17
Prospect Park National Bank	25	170	--
Plainfield—			
Plainfield Trust State Natl Bank	5	24	26
Point Pleasant—			
Ocean County National Bank	50	350	--
Rahway—			
State Bank of Rahway	12½	25	--
Red Bank—			
Monmouth County National Bk	1	8	9
Rutherford—			
National Community Bank of Rutherford	12.50	44½	47
Toms River—			
First National Bank	5	30	31
Trenton—			
Broad Street National Bank	20	82	--
First Trenton National Bank	10	53	55
Security National Bank	25	70	--
Trenton Trust Co	5	78	--
Union City—			
Hudson Trust Co	8	21	23

NEW MEXICO

Albuquerque—			
First National Bank	12.50	47½	49

NEW YORK

Albany—			
First Trust Co	10	88	93
Mechanics & Farmers Bank	10	55	--
National Commercial Bank & Trust Co of Albany	7.50	52½	54½
State Bank of Albany	10	83	85
Auburn—			
National Bank of Auburn	50	*120	--
Brooklyn—			
See Kings and Queens County—			
Buffalo—			
Bank of Buffalo	10	31	--
Liberty Natl Bank & Trust Co	10	48	--
Lincoln National Bank	5	14	--
Manufacturers & Traders Tr Co	5	27¾	29¾
Elmira—			
Chemung Canal Trust Co	5	28	32
Ithaca—			
Tompkins County Trust Co	10	55	60
Jamestown—			
Bank of Jamestown	10	a34	--
First National Bank	5	60	65
Kings and Queens County—			
Bensonhurst National Bank	5	a26	--
Central State Bank	5	43	46
Kings County Trust Co	10	58	60
Lafayette National Bank	10	65	68
National Bank of Far Rockaway	100	75	--
United Industrial Bank	100	325	--
United Natl Bank of Long Island	10	70	75
Kingston—			
Kingston Trust Co	20	73	--
Rondout National Bank	50	120	--
State of N Y National Bank	100	231	--
Long Island (Nassau County)—			
Bank of Westbury Trust	12.50	50	53
Community Bank (Lynbrook)	20½	35	37
County National Bank (Mineola)	10	21	23
First National Bank (Glen Head)	5	50	54
Franklin National Bank of Long Island—			
Common	5	52	53
4.60 preferred	100	101	103
Hempstead Bank	5	27½	28½
Long Island Natl Bk (Hicksville)	5	27½	29½
Long Island Tr Co (Garden City)	5	29¾	30¾
Matinecock Bank (Locust Valley)	5	48	51
Meadow Brook National Bank	5	25½	26½
Nassau Trust Co (Glen Cove)	5	44	47
Oceanside Natl Bk (Oceanside)	100	400	--
Peninsula Natl Bk (Cedarhurst)	6.25	35	36
Second National Bank & Trust (Hempstead)	10	50	--
Valley Natl Bank of Long Island	5	39	40
Long Island (Suffolk County)—			
Bank of Babylon	5	42	44
Bank of Smithtown	10	a95	105
Bk of Suffolk Co (Stony Brook)	10	60	65
Bridgehampton National Bank	10	50	--
Eastern National Bank of L I (Smithtown)	5	18	20
First National Bank (Bay Shore)	10	70	--
First National Bank (East Islip)	5	30	--
Hampton Bays National Bank	100	800	--
Natl Bank of Lake Ronkonkoma	20	60	--
North Fork Bk & Tr (Mattituck)	10	75	--
Oysterman's Bank & Tr (Sayville)	5	40	--
Patchogue Bank (Patchogue)	5	43	47
Peoples Natl Bank (Patchogue)	5	60	64
Seaside Bk (Westhampton Beach)	20	65	--
Security Natl Bank of Long Island (Huntington)	5	34	35
Suffolk Co Natl Bk (Riverhead)	10	70	--
Tinker Natl Bk (East Setauket)	10	130	145
Newburgh—			
Highland National Bank	25	*70	--
New York City Banks—			
Bank of Commerce	10	53½	55½
Bank of New York—			
New $40 par (split 2½-for-1 plus 1-for-9 stock dividend)		t157	159
Chase Manhattan Bank	12½	88½	88⅝
Chemical Bank New York Tr Co	12	86⅜	86⅞
Commercial Bank of No America	5	33½	34½
First National City Bank	20	106¾	107¼
Grace National Bank	100	600	650
Merchants Bank of N Y	6.25	48½	50½
Royal National Bank	5	25	25¾
Sterling National Bank & Trust	15	66	68
New York City Trust Cos—			
American Trust Co	10	30	32
Bankers Trust Co	10	58¾	59⅛
Empire Trust Co	50	310	317
Federation Bank & Trust Co	10	44¼	45¼
Fiduciary Trust Co	10	56	60
Irving Trust Co	10	46⅝	47
Manufacturers Hanover Trust Co	15	53½	53⅞
Morgan Guaranty Trust Co	25	119	119½
Trade Bank & Trust Co	10	30½	31
Underwriters Trust Co	40	120	--
U S Trust Co of New York	10	71½	72½
Rochester—			
Central Trust Co	20	73	77
Lincoln Rochester Trust Co	20	81	85
Security Trust Co	25	66	70
Schenectady—			
Citizens Trust Co	25	46	--
Mohawk National Bank	25	55	--
Schenectady Trust Co	16	56	60
Suffern—			
Rockland National Bank	5	35	36
Syracuse—			
First Trust & Deposit—			
Common	2.50	18	20
Lincoln National Bank & Trust Co of Central New York	10	41	43
Merchants National Bank	10	45	47
Troy—			
Union National Bank	20	128	--
Utica—			
Bank of Utica	20	75	--
Marine Midland Trust Co of the Mohawk Valley	5	19	21
Oneida National Bank & Trust Co of Central New York	10	65	69
Watertown—			
Marine Midland Trust Co or Northern New York	25	100	--
Watertown National Bank	40	35	--
Westchester County—			
County Trust Co (White Plains)	5	56	56½
First National Bank (Mount Vernon)	25	a220	240
First National Bank (North Tarrytown)	100	1,000	--
First National Bank of Yonkers	2.50	21½	23
First Westchester National Bank (New Rochelle)	5	30	31
National Bank of Westchester (White Plains)	5	30	30½
Northern Westchester Natl Bank (Chappapua)	12.50	120	--
Scarsdale National Bank & Trust Co (Scarsdale)	10	55	60

NORTH CAROLINA

Asheville—			
Bank of Asheville	10	36	--
Charlotte—			
First Union National Bank	5	26½	27½
North Carolina National Bank	5	40¾	42
Durham—			
Central Carolina Bank & Trust	25	95	--
Mechanics & Farmers Bank	5	8	--
Hickory—			
First Natl Bk of Catawba County	5	28	30
Raleigh—			
First-Citizens Bank & Trust Co	10	275	--
Wilson—			
Branch Banking & Trust Co	5	68	70
Winston-Salem—			
Wachovia Bank & Trust	5	40¼	41½

OHIO

Akron—			
Firestone Bank	25	66	--
First National Bank	10	59	61
Canton—			
Canton National Bank	50	60	65
Dime Bank	10	22	23
First National Bank of Canton	10	39½	41¼
Harter Bank & Trust Co	100	36½	38
Peoples Merchants Trust Co	25	51	53½
Cincinnati—			
Central Trust Co	10	45¾	46¾
Fifth-Third Union Trust Co	25	86	92
First National Bank	10	64¼	65¼
Northside Bank & Trust Co	50	150	--
Provident Bank	10	58½	59½
South Ohio National Bank	20	50	--
Cleveland—			
Capital Bank	25	140	160
Central National Bank	16	56½	57¼
Cleveland Trust Co	50	335	378
Continental Bank	10	44	46
National City Bank	8	58½	59¼
Society Corp vtc	1	51	52
Union Commerce Bank	10	42½	43¼
Columbus—			
City National Bank & Trust Co	10	67	--
Huntington National Bank	20	107	--
Dayton—			
National Bank of Dayton	12.50	53	--
Third National Bk & Tr Co New $6.25 par (shares split 2-for-1)		30¾	--
Winters National Bank & Trust	10	34½	--
Toledo—			
Lucas County State Bank	50	a143	--
National Bank of Toledo	25	58	--
Ohio Citizens Trust Co	20	62½	--
Toledo Trust Co	20	78	--

OKLAHOMA

Oklahoma City—			
First National Bank & Trust	10	51½	54
Liberty National Bank & Trust	10	53	58¾
Tulsa—			
First National Bank & Trust	10	50	53½
First Okla Bancorporation	5	7½	8½
Fourth National Bank	10	31¼	--
National Bank of Tulsa	10	44½	47
Utica Square National Bank	15	29	--

OREGON

Portland—			
First National Bank of Oregon	12½	67¼	68¼
Oregon Bank	20	34¼	35
Security Bank of Oregon	20	17	18
United States National Bank	20	78¼	79

PENNSYLVANIA

Allentown—			
First National Bank	10	41½	43½
Lehigh Valley Trust Co	10	24	28
Merchants National Bank	10	42	44
Altoona—			
Altoona Central Bank & Tr Co	10	57½	--
First National Bank	10	50½	--
Berwyn—			
Upper Main Line Bank	10	36	--
Bryn Mawr—			
Bryn Mawr Trust Co	5	51	53
Carlisle—			
Farmers Trust Co	10	62	--
Chester—			
Delaware County Natl Bank	10	56½	--
Doylestown—			
Doylestown Natl Bank & Trust	5	41	--
Doylestown Trust Co	20	76	--
Harrisburg—			
Dauphin Deposit Trust Co	10	66½	--
Harrisburg National Bank & Trust Co	10	114	--
Keystone Trust Co	10	29	--
Lancaster—			
Conestoga National Bank	20	69	71
Farmers Bank & Trust	10	a29	30
Fulton National Bank	20	66	68
Lancaster Co National Bank	10	a42	44

*Sale price. a See comprehensive footnotes on page 93. d Ex-rights. t New stock. x Ex-dividend. y Ex-10% stock dividend. z Ex-25% stock dividend.

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QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

	Par	Bid	Ask
Lemoyne—			
Lemoyne Trust Co	10	40	--
McKeesport—			
Peoples Union Bank & Tr Co	12.50	45½	--
Western Pennsylvania Natl Bank	10	53½	55½
New Cumberland—			
Cumberland County National Bank & Trust	10	35	--
Norristown—			
Montgomery County Bk & Trust	10	33¼	34
Philadelphia Banks—			
Central-Penn National Bank	10	57	58
First Pennsylvania Banking & Trust Co	5	30¾	31¾
Philadelphia National Bank	10	53½	54½
Second National Bank of Phila	10	49	54
Philadelphia Trust Cos—			
Broad Street Trust Co	5	35¾	36¾
Citizens & Southern Bank	5	9	11
Fidelity-Philadelphia Trust Co	10	91½	93
Frankford Trust Co	10	76½	--
Girard Trust-Corn Exchange Bk	10	71½	72½
Industrial Valley Bank & Trust	5	30½	31½
Liberty Real Estate Bk & Tr Co	10	a57	58½
Pennsylvania Warehousing & Safe Deposit Co	100	160	--
Provident Tradesmen's Bk & Tr	12	76	77
Sonsitaly Bank & Trust Co	50	45	--
Pittsburgh—			
Allegheny Valley Bank	50	90	--
Avalon Bank	50	180	--
Brookline Savings & Trust	12.50	55	--
Commonwealth Bank & Tr Co	100	48	--
Hazlewood Bank (The)	10	35	--
Iron & Glass Dollar Savings	100	250	--
Mellon Natl Bank & Trust Co	10	80	82
North Side Deposit Bank	40	95	--
Pittsburgh National Bank	10	41	43
St Clair Deposit Bank	10	30	--
Union National Bank	10	42	--
Pottsville—			
Miners National Bank	20	55	--
Reading—			
Berks County Trust Co	5	36½	38
Peoples Trust-City Bank	5	24	25½
Reading Trust Co	10	57	--
Scranton—			
East Scranton State Bank	25	41	--
Green Ridge Bank	12.50	65	--
North Scranton Bank & Trust	15	54	--
Northeast Pa Natl Bank & Tr	18	52	--
Scranton National Bank	50	134	--
South Side Bank & Trust	25	54	--
Third National Bank & Trust	25	69	--
West Side Bank	25	105	--
Wilkes-Barre—			
First National Bank	20	61	63
Hanover National Bank	20	60	--
Miners National Bank	10	41	42½
Wyoming National Bank	10	31	33
Williamsport—			
First National Bank	10	36	--
West Branch Bank & Trust	10	*50	--
York—			
Drover & Mechanics Natl Bank	10	30	31
First National Bank	10	52	--
Industrial Natl Bank West York	10	38	41
National Bank & Trust Co of Central Pennsylvania	10	23½	25
York Bank & Trust Co	33	36	38

PUERTO RICO

(Commonwealth of)

Banco Credito Y Ahorro Ponceno	20	60	61
Banco Popular De Puerto Rico	20	109	111
Banco De Ponce	100	345	--

RHODE ISLAND

Providence—			
Citizens Trust Co	50	80	--
Columbus National Bank	10	26	30
Industrial National Bank of Rhode Island	10	54	57
Plantation Bank of Rhode Island	10	37½	39¾
Rhode Island Hospital Trust Co	10	81	84

SOUTH CAROLINA

Charleston—			
Citizens & Southern Natl Bank	10	108	112
South Carolina National Bank	5	54	56
Columbia—			
First National Bank of South Carolina	5	50	--
Greenville—			
Peoples National Bank	10	73	--

TENNESSEE

Chattanooga—			
American National Bank & Tr	20	85	--
Hamilton National Bank	20	85	88
Knoxville—			
Hamilton National Bank	100	315	320
Memphis—			
First National Bank	10	56	59
National Bank of Commerce	10	60	63
State Savings Bank	100	200	205
Tri-State Bank of Memphis	100	105	110
Union Planters National Bank	10	61½	65½
Nashville—			
Commerce Union Bank	10	33	34
First Amer National Bank	10	39½	41
Third National Bank in Nashville	10	76	79

TEXAS

Dallas—			
American Bank & Trust Co	10	35	--
Bank of Services & Trust Co	10	34	--
East Dallas Bank & Trust	24	36	--
Empire State Bank	20	28	--
Exchange Bank & Trust Co	10	30	38
Fair Park National Bank	20	33	--
First Citizens Bank of Dallas	10	30	33
First National Bank	10	68½	69½
Grand Avenue Bank & Trust Co	20	50	--
Greenville Ave State Bank	20	60	--
Grove State Bank	20	48	--
Hillcrest State Bank	20	55	--
Industrial National Bank	10	14	--
Lakewood State Bank	20	50	--
Mercantile National Bank	10	44½	45½
Merchants State Bank	20	52	--
National Bank of Commerce	10	43	--
Northwest National Bank		55	--
Oak Cliff Bank & Trust Co	10	50	--
Park Cities Bank & Trust		29	--
Preston State Bank	12	25¼	--
Republic National Bank	12	61¼	62
South Oak Cliff State Bank	100	225	--
Texas Bank & Trust Co	10	30½	31¼
Wynnewood State Bank	20	60	--
El Paso—			
Chelmont State Bank	10	30	--
El Paso National Bank	20	63	--
Southwest National Bank	20	60	--
State National Bank	100	430	--
Fort Worth—			
Continental National Bank	10	31	33
First National Bank	10	28½	31½
Fort Worth National Bank	10	38½	42
Riverside State Bank	20	70	--
Union Bank	12½	n30	34
Houston—			
American Bank & Trust Co	10	40	--
Bank of the Southwest N A	20	103	--
Central National Bank	10	30	--
Chimney Rock National Bank	20	64	--
Citizens State Bank	100	1000	--
Fidelity Bank & Trust Co	20	80	--
First City National Bank	10	64	--
Harrisburg National Bank	10	34½	--
Houston Bank & Trust Co	20	97	--
Houston National Bank	10	50	--
Lockwood Natl Bk of Houston	10	80	--
Long Point National Bank	20	58	--
MacGregor Park National Bank	20	50	--
National Bank of Commerce	10	100	--
North Side State Bank	5	32	--
Reagan State Bank	20	82	--
South Main State Bank	20	80	--
Texas National Bank	10	79	--
University State Bank	100	550	--
Port Arthur—			
First National Bank	20	73	--
San Antonio—			
Alamo National Bank	10	53	--
Bexar County National Bank	50	42	--
First National Bank	10	30	--
Frost National Bank	100	1500	--
Groos National Bank	100	40	--
Kelly Field National Bank	10	39	--
National Bank of Commerce	10	33	35½

UTAH

Ogden—			
Commercial Security Bank	25	55	57
First Security Corp	1.25	43	44½
First Security Investment Co	25c	8	8½
Salt Lake City—			
Continental Bank & Trust Co	10	34½	36
Tracy-Collins Bank & Trust Co	6.25	67	72
Walker Bank & Trust Co	25	48½	50
Zions First National Bank	10	105	112

VERMONT

Brattleboro—			
Vermont Bank & Trust Co	12	42	--
Montpelier—			
Montpelier National Bank	20	38	40
Rutland—			
Rutland County Bank	100	220	--

VIRGINIA

Lynchburg—			
Lynchburg Natl Bk & Trust Co	10	51	54
Norfolk—			
Seaboard Citizen National Bk	10	100	--
Virginia National Bank	5	37½	38¼
Portsmouth—			
American National Bank	10	45½	--
Citizens Trust Co	100	37	--
Merchants & Farmers Bank	10	49	--
Richmond—			
Central National Bank	7.50	43½	44½
First & Merchants Natl Bank	10	45¼	46¼
Southern Bank & Trust	15	95	--
United Virginia Bank Shares Inc	10	40	41
Virginia Commonwealth Corp	10	44½	45½
Virginia Trust Co	20	75	--
Roanoke—			
Colonial-Amer National Bank	10	43½	--
First National Exchange Bank	10	48½	49½
Mountain Trust Bank	10	42½	--

WASHINGTON

Seattle—			
Marine Bancorporation	No par	167	170
Pacific National Bank	10	35	36½
Peoples National Bank of Wash	20	78	--
Seattle-First National Bank	10	71	71¾
Seattle Trust & Savings Bank	20	53½	--
Spokane—			
First National Bank in Spokane	100	130	135
Old National Bk of Washington	10	43	45
Old National Corp	10	43½	45½
Washington Trust Bank	100	525	550
Tacoma—			
Puget Sound National Bank	10	45¾	47

WEST VIRGINIA

Huntington—			
First Huntington National	12½	67¼	70
Guaranty National Bk (The)	50	90	--
Twentieth Street Bank	25	45	55
Wheeling—			
Half Dollar Trust & Sav Bank	25	n74	--
South Wheeling Bk & Trust Co	25	110	--
Security Natl Bank & Trust Co	20	76	--
Wheeling Dollar Sav & Tr Co	25	89	93

WISCONSIN

Milwaukee—			
American State Bank	10	60	--
Marshall & Ilsley Bank	10	49	53
City Bank & Trust Co	25	52	--
First Wisconsin National Bank	10	54	--
Home Savings Bank	20	35	--
Layton Park State Bank	20	45	--
Marine Corp	10	53½	56½
Mitchell St State Bank	20	50	--
West Side Bank	20	50	--

*Sale price. a See comprehensive footnotes below. d Ex-rights. tNew stock. x Ex-dividend. y Ex-5% stock dividend. z Ex-50% stock dividend.

Comprehensive Footnotes for Banks and Trust Companies (Mergers, Acquisitions, Etc.)

Asbury Park & Ocean Grove Bank merger with New Jersey Trust Co. (Long Branch) has been approved by stockholders. Subject to approval of regulatory agencies, exchange calls for one share of New Jersey Trust $12.50 par value for four shares of new $5 par. Asbury Park stock will be exchanged share-for-share. New institution will be New Jersey Trust Co. (Asbury Park).

Bank of Jamestown (N. Y.) may merge with and into Manufacturers & Traders Trust Co. of Buffalo by exchange of 1.75 shares for each share held. Proposed merger is subject to approval of shareholders and regulatory agencies.

Bank of Louisville (Ky.). See Royal Bank & Trust Co. in this tabulation.

Bank of Smithtown (N. Y.) subject to approval of stockholders and regulatory agencies may be acquired by Marine Midland Corp. If approved holders will receive 3½ shares for each share held.

Bensonhurst National Bank (Brooklyn N. Y.) if stockholders and regulatory agencies approve may merge with and into Chemical Bank New York Trust Co. if approved holders will receive one share for each three held.

Citizens National Bank (Los Angeles) shareholders approve merger with Crocker-Anglo National Bank of San Francisco, into a new institution to be called Crocker-Citizens National Bank. If approved by Comptroller of the Currency, Citizens holders will receive 1.9 shares for each one held, and Crocker stock to be exchanged share for share.

Crocker-Anglo National Bank (San Francisco). See Citizens National Bank item in this tabulation.

Farmers Bank & Trust Co. (Lancaster, Pa.) if stockholders and Comptroller of Currency approve may merge with Lancaster County National Bank to form Lancaster County Farmers National Bank. If approved Farmers stock will be exchanged share-for-share, and Lancaster holders will receive one share for each 1¼ held.

First National Bank of Mount Vernon (N. Y.) if stockholders and regulatory agencies approve may merge with and into Chemical Bank New York Trust Co. If approved holders will receive 2⅞ shares for each one held.

Lancaster County National Bank (Pa.). See Farmers Bank & Trust Co. in this tabulation.

Liberty Real Estate Bank & Trust Co. stockholders have approved merger with and into Fidelity-Philadelphia Trust Co. by exchange of 0.7 shares for each share held. Merger is still subject to approval of regulatory agencies.

Lucas County Bank (Toledo). See State Bank of Toledo in this tabulation.

New Jersey Trust Co. (Long Branch). See Asbury Park & Ocean Grove item in this tabulation.

Nicodemus National Bank (Hagerstown, Md.) stockholders and Comptroller of Currency approved merger with and into First National Bank of Maryland. Stockholders will receive 6 shares for each 5 held.

Royal Bank & Trust Co. (Louisville, Ky.) stockholders approved proposed merger with Bank of Louisville, and change of name to Bank of Louisville-Royal Bank & Trust Co. Proposal is still subject to approval of regulatory authorities.

Second National Bank (Hagerstown, Md.) if stockholders and Comptroller of Currency approve will merge with and into Maryland National Bank of Baltimore. Holders will receive six shares for each five held.

Second National Bank (Hagerstown, Md.) stockholders and Comptroller of Currency approved merger with and into Maryland National Bank by exchange of 6 shares for each 5 held.

Union Bank & Trust Co. (New London, Conn.) stockholders approved merger with and into Connecticut Bank and Trust Co., Hartford, by exchange of one share for each seven held. Merger was also approved by FDIC, with effective date set about Aug. 5.

Winthrop Bank & Trust Co. (New London) may merge with and into Hartford National Bank & Trust Co. of Hartford. If stockholders and regulatory agencies approve holders will receive three shares for each one held.

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Securities Called for Redemption

We are attempting to indicate in this tabulation not ONLY the issues being called for redemption, but also the details of any contemplated mergers, purchase or exchange offers, special interest payments OR dissolutions of the various companies (both listed and over-the-counter issues) quoted in this Record.

BONDS

Community Public Service Co., two issues called for redemption in their entirety, 5⅜s series E due June 1, 1987 on Aug. 30 at 105.86, 5¼s series F due June 1, 1991 on Aug. 30 at 106.75.

Homestake Mining Co. 5⅞s due Sept. 1, 1969, entire issue called for sinking fund on Sept. 1 at 101.

Michigan Wisconsin Pipe Line Co. 6¼s due June 1, 1977, entire issue called for redemption Aug. 23 at 106.26.

Sierra Pacific Power Co. 5⅝s due July 1, 1985, entire issue called for redemption on Aug. 24 at 106.40.

Southern California Gas Co. 5⅛s series C due July 1, 1983, entire issue called for redemption on Aug. 2 at 105.40.

STOCKS

Amarlite Corp. proposed acquisition by Anaconda Co. calls for exchange of one share for each 3⅛ held. The transaction is subject to stockholders approval.

Arts & Crafts Materials Corp. if stockholders approve may merge with and into National Chemical & Mfg. Co. National is contemplating a two-for-one split of the common shares. If this merger is approved Arts & Crafts holders will receive one share of the split stock for each 1½ shares held.

Astron Corp. merged with Renwell Electronics Corp. to form Renwell Industries, Inc. Each Astron common is being exchanged for 1/9th common share of combined company.

Bush Terminal Buildings Co. stockholders approve liquidation of company. Distribution of about $40 per share is expected to begin about 30 after closing, set for May 8.

Consolidated Business Systems, Inc. acquired by Diebold, Inc. Stockholders receive 3/40th of a share for each one held.

El Paso Electric Co. Two pfd. issues were called for redemption on July 1. The $.36 pfd. at $107.45 plus dividend, and the $5.40 pfd. at $106.86 plus dividend.

Empire Devices, Inc. assets may be acquired by Singer Company.

Federal Manufacturing & Engineering Corp. acquisition of remaining interest being acquired by Victoreen Instrument Co. Exchange calls for one share for each four held.

Foote & Davies, Inc. proposed acquisition by McCall Corp. calls for payment of $15 per share for each share held. Effective date July 15.

Gradiaz-Annis & Co. proposed acquisition by General Cigar Co. calls for exchange 3/5th common share for each share held.

Hydro Space Technology, Inc. name changed to Imperial 400 National. Stockholders receive one share for each 3.913 shares held.

International Electronic Research Corp. acquired by Dynamics of America.

Jones & Lamson Machine Co. if stockholders approve may be acquired by Pneumo-Dynamics Corp.

Long Mile Rubber Co. stockholders approve plan for acquisition of assets by Associated Oil & Gas Co.

Market Basket if stockholders approve may become an affiliate of Kroger Co., through exchange of one share of new 4.3% conv. preferred for each two shares of common held. No provision is made for pfd. shares callable at $17.50.

Northwest Natural Gas Co. 5.72% pfd., entire issue called for redemption on July 31 at 107.

Plymouth Rubber Co., Inc. new class B $5 par created. Issued as a stock dividend to common holders on a share-for-share basis.

Polaroid Corporation, entire issues of 5% 1st pfd. and $2.50 2nd pfd. called for redemption Sept. 24 at $50 per share plus 62½c dividend.

Professional & Business Men's Insurance Co. (Texas) stockholders approve merger with and into Kentucky Central Life Insurance Co. If regulatory agencies approve holders will receive one non-voting share for each 2½ shares held.

Rantec Corporation stockholders have approved merger with and into Emerson Electric Mfg. Co. Each 2.35 shares will be exchanged for one new share of Emerson convertible pfd.

Sioux City Stock Yards Co. stockholders voted to merge into United Stockyards Corp. listed on the ASE. Each common share will receive 7.6 shares of United. Exchange should be complete by the middle of August.

Southern California Edison Co. both conv. preference issues being redeemed on July 31. The 4.48% at $28.75 per share, and the 4.56% at $26.25 per share.

Sprague Engineering Corp. if stockholders approve may merge with and into Teledyne, Inc. If approved common holders will receive one share of new conv. pfd. for each 3.53 shares held.

Telex, Inc. acquired by Telex Corporation in May on a share for share basis.

Texas Butadiene & Chemical Corp. 2nd liquidating distribution of $3.80 paid on July 12. Initial of $10 was paid in Aug. 1962. Assets acquired by Sinclair Petrochemicals, Inc.

Universal Pictures Co., Inc. 4¼%, pfd., entire issue to be redeemed on Aug. 30 at $104 per share.

Waco Aircraft Co. stockholders approve merger with and into Aero Industries, Inc. Holders to receive 1⅝ shares for each share held.

Water Industries Capital Corp. dissolution approved by shareholders calls for a liquidating dividend of $8.35 paid to holders of record May 13.

Zonolite Company merged into W. R. Grace & Co. Stockholders receive 0.255 shares for each share held.

STATE AND MUNICIPAL BONDS

QUOTATIONS FOR ALL SECURITIES ARE AS OF JULY 31, 1963

Continued from page 88

Bonds—	Yield Basis or To Bid	Ask	Net
Washington Toll Bridge Auth Second Lake Wash Toll Bridge rev—			
4.90s Jan 1 2000 J-J	110	111½	--
Vancouver-Portland Interstate Toll Bridge—			
3⅛s 1964-68 M-N	bPar to 2.90%		--
3.20s 1971 M-N	100½	--	--
Chelan County—			
Nash Dist No 1 5s 2013	115¾	116¾	--
Grant County—			
Public Utility Dist No 2			
3⅞s 1956 series Nov 1 2005	104	106	--
4⅞s 1959 series July 1 2009	113¼	114¾	--
Seattle—			
2¼s 1964-68 J-J	b2.00 to 2.90%		--
1¾s sewer 1964-68 M-S	b2.00 to 3.30%		--
Seattle Light & Power			
2½s 1964-70 J-J	b2.00 to 3.00%		--
2s ref ser LS-5 '64-70 F-A	b2.00 to 3.25%		--
Municipal Lt & Pw Rev—			
2s 1964-67 J-J	b2.00 to 2.75%		--
2¼s 1964-74 F-A	b1.85 to 3.25%		--
2¾s 1970-87 M-S	b2.75 to 3.70%		--
1958 Series—			
6s 1964-67 M-S	b2.00 to 2.50%		--
3¼s 1968-77 M-S	b2.50 to 3.25%		--
3½s 1978-88 M-S	b3.30 to 3.60%		--
Spokane—			
1½s 1964-72 J-J	b2.00 to 3.50%		--
Spokane Co Sch Dist No 81			
1.30s Sept 1 1967-75	b3.25 to 3.90%		--
Tacoma—Revenues—			
General obligations—			
1¾s July 1 '64 opt '62 M-N	b2.50 less 1		--
Central Library Building—			
1.70s 1964-67 M-N	b2.00 to 3.25%		--
Tacoma Narrows Toll Bridge—			
3¾s revenue 1978 M-S	101	--	--
WEST VIRGINIA			
Road Bonds—			
3s 1964-67 J-J	b1.80 to 2.25%		--
1½s 1964-73 J-D	b1.85 to 3.60%		--
1¼s 1964-68 J-J	b1.85 to 3.30%		--
1s 1964-70 J-J	b1.95 to 3.60%		--
Road Bond series C—			
1¾s 1965-67 J-J	b2.20 to 2.65%		--
Turnpike Revenue (ser A)—			
3¾s Dec 1 1989	f63½	67½	--
4⅛s Dec 1 1989	f68	71½	--
Veterans series V—			
1¾s Dec 1 1964-71	b1.90 to 3.50%		--
Charleston—			
2¼s 1964-72 J-D	b1.90 to 3.30%		--
Dunbar Bridge—			
Revenue 4s Feb 1992	f57	66	--
Kanawha (County)—			
1¼s 1964-75 J-J	b1.95 to 3.80%		--
Board of Education			
3¼s 1964-1969 J-D	b1.80 to 2.50%		--
WISCONSIN			
Madison City			
3¼s June 1 1964-1980	b1.75 to 3.00%		--
Library & School purposes			
2¼s 1964-1971 J-D	b1.75 to 2.60%		--
2¾s 1972-1976 J-D	b2.70 to 2.90%		--
3s 1977-1982 J-D	b2.95 to 3.10%		--
Metropolitan Sewerage Dist			
2s extension 1964-67 F-A	b1.60 to 2.10%		--
Milwaukee (City of)—			
1¾s 1964-71 J-J	b1.75 to 2.75%		--
1½s school 1964-71 M-N	b1.75 to 2.75%		--
Corporate Purpose			
2¼s 1964 A-O	--	--	1.75
2¾s 1965-1973 A-O	b1.90 to 2.70%		--
Pub improvement ser E			
2½s 1964-1968 M-S	b1.75 to 2.25%		--
2¾s 1969-1974 M-S	b2.40 to 2.90%		--
Milwaukee County—			
Metropolitan Sewerage Area			
2½s 1964-67 F-A	b1.80 to 2.20%		--
Expressway bonds			
3.20s 1964-1981 F-A	b1.80 to 3.10%		--
Housing Auth 3½s Sep 1 '94	99	102	--
Racine street imp & sewer—			
1½s 1964-66 F-A	b1.80 to 2.25%		--
WYOMING			
Cheyenne—			
Waterworks improvement			
6s 1964-1971 A-O	b2.00 to 2.90%		--
3.30s 1972-1976 A-O	b3.00 to 3.15%		--
3.30s 1977-78 opt '76 A-O	--	--	3.15
3.40s 1979-82 opt '76 A-O	b3.20 to 3.25%		--
3½s 1983-87 opt '76 A-O	b3.25 to 3.30%		--
3.60s 1988-91 opt '76 A-O	--	--	3.35
Sheridan (wat) 3½s 1964-65	b2.10 to 2.40%		--

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New York Stock Exchange—Bonds

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Sales in July Value $	New York Stock Exchange BONDS	Interest Period	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY July 1 Opening or Bid	PRICES IN JULY July 1 Opening or Ask	PRICES IN JULY July 31 Closing or Bid	PRICES IN JULY July 31 Closing or Ask	PRICES IN JULY Lowest Sale Prices	PRICES IN JULY Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
	Union Oil of California—											
29,000	2¾s debentures 1970	J-D	89½	Sale	91	Sale	91	—	91 July 1	91½ July 8	89½ Jan 2	91½ July 8
32,000	4⅞s debentures 1986	J-D	104½	106½	104¾	106¼	105	105¼	104½ July 8	105½ July 18	104½ Feb 11	106¼ Jun 11
1,122,000	4¼s conv subord debs 1991	J-D	118½	Sale	122½	Sale	124⅞	Sale	119¾ July 22	126 July 8	114½ Mar 1	126 July 8
52,000	Union Pacific RR 2⅞s 1976	F-A	84½	90	86¾	87½	85¼	87¼	85½ July 30	86¾ July 11	84⅞ Jan 8	87⅝ Jun 25
38,000	Ref mtge 2½s ser C 1991	M-S	69¾	Sale	71	72	70	71¼	70½ July 17	72 July 2	69⅝ Jan 11	72 May 13
25,000	Union Tank Car Co 4¼s 1973	A-O	99¼	101	99¾	100½	99⅛	99¾	99⅛ July 30	100¼ July 12	99⅛ July 30	100½ Mar 20
38,000	5s s f debentures 1986	F-A	104¾	105½	105⅛	—	104	—	104 July 26	105¾ July 3	104 Feb 14	106½ May 7
	United Air Lines Inc—											
2,370,000	4⅞s conv subord debs 1985	J-D	120½	Sale	115½	Sale	—	—	111¼ July 19	117¼ July 3	111¼ July 19	138½ Jun 25
----	United Biscuit 2¾s debs 1966	A-O	95	—	96¾	98¼	96¾	97¼	— ------	— ------	— ------	— ------
----	3⅜s debentures 1977	M-S	92½	—	90½	—	89¾	93	— ------	— ------	91½ Jun 4	93 Jan 3
----	United Gas Corp 2¾s 1970	J-J	89½	—	91	—	91	—	— ------	— ------	89½ Jan 23	91 Jun 10
7,000	1st mtge & coll tr 3⅝s 1971	J-J	96	Sale	96⅜	97¾	96⅛	97¾	96⅛ July 16	97¾ July 5	96 Jan 2	97¾ July 5
76,000	1st mtge & coll tr 3½s 1972	F-A	94	—	94½	—	94½	95	94½ July 5	95¼ July 9	94⅛ Jan 11	97 Mar 26
5,000	1st mtge & coll tr 3⅜s 1975	M-N	93⅛	—	92½	—	91½	—	92½ July 15	92½ July 15	92½ July 15	92½ July 15
1,000	4⅜s s f debentures 1972	A-O	100¾	—	99⅝	—	99½	—	99½ July 22	99½ July 22	99½ May 9	101¼ Jun 25
----	3¾s s f debentures 1973	A-O	91⅝	—	91⅝	—	91⅝	—	— ------	— ------	91⅝ Apr 25	91⅝ Apr 25
19,000	1st mtge & coll tr 4½s 1977	M-S	102	Sale	102¼	103	100¾	103	100 July 16	103 July 8	100 July 16	103¼ Feb 18
35,000	1st mtge & coll tr 4¼s 1978	M-S	101	Sale	100	101	99½	101½	100 July 30	101⅝ July 24	99¼ Feb 20	101⅝ July 24
92,000	4⅝s s f debentures 1978	J-J	102	103	102½	102¾	100¾	Sale	100¾ July 25	102½ July 2	100¾ July 25	103¼ Jan 17
1,000	1st mtge & coll tr 5s 1980	M-N	104½	105⅞	104⅞	—	105½	—	105½ July 19	105½ July 19	104 May 24	106 Jan 14
60,000	5⅛s s f debentures 1980	M-N	103¾	105¼	104	104¾	103¾	—	103⅝ July 11	104½ July 30	103⅝ July 11	105½ Jan 9
17,000	1st mtge & coll tr 4⅝s 1982	J-D	103	104	102⅛	—	103⅛	—	102⅛ July 5	103⅛ July 25	101½ Apr 19	105 Mar 27
	United States Freight Co—											
372,000	5s conv subord debs 1981	A-O	139	Sale	145	Sale	143	Sale	140 July 18	148⅝ July 3	132 Feb 12	156 May 23
2,000	U S Rubber Co 2⅝s deb 1976	M-N	85	—	87	—	87	—	87 July 11	87 July 11	85 Jan 8	87 Jun 7
----	2⅝s debentures 1967	A-O	93⅛	—	93⅝	—	93⅝	—	— ------	— ------	93⅛ Jan 9	93⅛ Jan 9
	United States Steel Corp—											
287,000	4s s f debentures 1983	J-J	97¾	Sale	97¼	Sale	97⅛	Sale	96¼ July 22	97¼ July 1	96 Apr 15	98⅝ Jan 15
196,000	4½s s f debentures 1986	A-O	103⅝	Sale	103½	Sale	102⅞	Sale	102¼ July 24	103½ July 1	102¼ Apr 18	104⅜ Jan 11
	Vanadium Corp of America—											
----	3⅛s conv subord debs 1969	J-D	79	85	85⅛	—	85⅛	—	— ------	— ------	86 Feb 13	90 Feb 21
106,000	4¼s conv subord debs 1976	M-S	79½	Sale	77½	Sale	75¾	76½	75⅛ July 16	77½ July 1	75⅛ July 16	82 Jan 25
	Vendo (The) Company—											
96,000	4½s conv subord debs 1980	M-S	106	Sale	104½	Sale	98	Sale	97 July 24	104½ July 1	97 July 24	114 Jan 15
	Virginia Electric & Power—											
23,000	1st & ref M 2¾s ser E 1975	M-S	86¾	87½	84¾	86½	85⅝	Sale	85⅜ July 19	85¾ July 30	84¾ Jun 28	86½ Jan 8
----	1st & ref M 3s ser F 1978	M-S	—	—	83	—	82½	—	— ------	— ------	— ------	— ------
----	1st & ref M 2⅞s ser G 1979	J-D	—	—	80½	—	80½	—	— ------	— ------	— ------	— ------
----	1st & ref M 2¾s ser H 1980	M-S	—	—	78	—	78	—	— ------	— ------	78 Jun 18	78 Jun 18
----	1st & ref M 3⅜s ser I 1981	J-D	87	89⅛	—	90¼	85½	90¼	— ------	— ------	87½ Jan 11	90¼ Jun 18
----	1st & ref M 3¼s ser J 1982	A-O	—	86¾	83	—	82½	—	— ------	— ------	86 May 14	87¼ Mar 5
----	Va & Southw 1st gtd 5s 2003	J-J	84½	—	92	—	88	—	— ------	— ------	86 Apr 30	94¼ Jun 18
----	Gen mtge 4¼s 1983	M-S	91⅛	—	81⅛	—	91⅛	—	— ------	— ------	— ------	— ------
7,000	Virginia Ry 3s series B 1995	M-N	75¼	76⅝	77¾	—	77¼	Sale	77¼ July 31	77¾ July 10	77 Apr 25	78⅛ May 3
----	1st lien & ref M 3¼s ser C '73	A-O	90	92	90⅛	—	90½	—	— ------	— ------	90⅛ Jan 18	90½ Jan 23
----	1st lien & ref 4s ser F 1983	M-N	91⅝	—	92½	—	92½	—	— ------	— ------	91⅞ Feb 19	94½ May 24
42,000	6s subord income debs 2008	F-A	116⅝	—	118⅛	119	116	119	116½ July 24	119 July 5	116½ July 24	121 Apr 26
	Vornado Inc—											
387,000	5s conv subord debs 1982	M-S	91¾	Sale	95¼	Sale	95	Sale	94 July 9	96 July 3	90½ Mar 27	104¾ May 24
	Wabash RR Co—											
4,000	Gen mtge 4s ser A Jan 1981	April	74	Sale	78	83	80	Sale	80 July 17	80 July 17	74 Jan 2	81¾ May 22
34,000	Gen inc 4¼s ser B Jan 1991	April	73¼	Sale	79	Sale	79	80	78 July 23	81½ July 10	73¼ Jan 2	82 Feb 27
13,000	1st mtge 3¼s ser B 1971	F-A	87⅛	88½	90	90¾	90½	92	90⅛ July 24	91¾ July 23	87⅝ Jan 4	91¾ July 23
1,000	Warren RR 1st ref gtd 3½s 2000	F-A	33¼	Sale	36⅛	40¾	36⅛	40¾	36¼ July 26	36¼ July 26	33¼ Jan 2	40½ Feb 18
----	Wash Term 2⅝s ser A 1970	F-A	85¼	—	86	—	86	—	— ------	— ------	— ------	— ------
44,000	Westchester Lightg 3½s 1967	J-J	98	99	98½	Sale	98	Sale	97⅞ July 9	98¾ July 3	97½ Apr 18	99 Jan 7
----	Gen mtge 3s gtd 1979	M-N	79½	85	80⅜	85	80⅜	85	— ------	— ------	80⅛ Jun 18	80⅛ Jun 18
----	West Penn Electric 3½s 1974	M-N	91	—	91¼	—	91¼	—	— ------	— ------	91 May 6	93¾ May 20
	West Penn Power—											
76,000	1st mtge 3½s ser I 1966	J-J	99¼	100	98⅝	99⅛	99¼	Sale	98⅜ July 25	99¼ July 11	98 Apr 15	100 Jan 7
85,000	West Shore 1st 4s gtd 2361	J-J	57¼	Sale	62½	Sale	59½	60¾	59¼ July 24	63½ July 1	57¼ Jan 2	63½ Jun 3
68,000	Registered 2361	J-J	57¼	Sale	62	Sale	58½	60½	59½ July 25	63 July 3	57¼ Jan 2	63 Jun 3
	Western Maryland Ry Co—											
51,000	Gen mtge 4s ser A 1969	J-J	95⅜	—	99	Sale	98	Sale	98 July 16	99 July 1	95⅜ Jan 2	99 May 28
3,000	1st mtge 3½s ser C 1979	A-O	80½	—	81	—	81	—	81 July 8	81 July 8	79½ Apr 30	81 May 24
----	5½s debentures 1982	A-O	98	—	100	—	100	—	— ------	— ------	98 Jan 21	101 Apr 18
----	Western Pacific RR 3⅛s 1981	J-J	70	—	78½	—	78½	—	— ------	— ------	80 May 22	81 May 28
17,000	5s income debentures 1984	May	98	Sale	100	100½	100⅝	—	100½ July 8	100⅝ July 19	97¾ Jan 4	100⅝ July 19
142,000	Western Union Tel 5¼s 1987	F-A	105	106	102⅜	Sale	103½	Sale	102¼ July 1	103¾ July 25	102¼ Jun 26	107½ Feb 21
5,000	Westinghouse Elec 2⅝s 1971	M-S	86	—	89⅜	—	88⅛	—	88 July 12	88⅛ July 29	88 July 12	91 Apr 23
	Wheeling & Lake Erie RR—											
----	Gen & ref M 2¾s ser A 1992	M-S	75¼	—	77	87	77	87	— ------	— ------	— ------	— ------
21,000	Wheeling Stl 3¼s ser C 1970	M-S	98⅞	—	99½	100¼	99	100¼	99 July 17	99½ July 5	99 Jan 7	100¼ Apr 23
1,000	1st mtge 3¼s ser D 1967	J-J	98½	—	99¾	—	99¾	—	100 July 5	100 July 5	98½ Jan 11	100 July 5
40,000	3¾s conv debentures 1975	M-N	86⅝	90	90½	91¾	90½	91⅜	90½ July 2	91½ July 16	88¼ Jan 3	93 Apr 16
----	Whirlpool Corp 3½s 1980	F-A	86¾	—	90½	—	90½	92	— ------	— ------	86¾ Jan 16	90½ Jun 19
10,000	Wilson & Co 4⅛s sf debs 1978	J-J	97½	—	97½	—	97	—	97⅝ July 22	97⅝ July 22	97½ Apr 22	99 Mar 12
	Wisconsin Central RR Co—											
330,000	1st mtge 4s ser A 2004	J-J	65½	Sale	71	71⅝	70½	Sale	70 July 25	72⅜ July 25	65⅛ Jan 3	72⅜ July 25
255,000	△4½s inc ser A Jan 1 2029	May	57	Sale	62	63¼	59½	Sale	59 July 24	62 July 2	57 Jan 2	72 Apr 26
3,000	Wisconsin Elec Pwr 2⅝s 1976	J-D	83¾	Sale	83⅝	85	83⅝	—	83⅝ July 26	83⅝ July 26	83⅝ July 26	84¼ Mar 4
----	1st mtge 2⅞s 1979	M-S	—	—	81	—	81	—	— ------	— ------	— ------	— ------
6,000	Wisconsin Pub Serv 3¼s 1971	J-J	83¾	85	93⅞	95	93⅞	95	93⅞ July 30	94 July 2	92½ Mar 4	95 Jun 14
----	Yonkers Elec Lt & Pr 2⅝s '76	J-J	80	—	—	—	—	80	— ------	— ------	— ------	— ------
	Youngstown Sheet & Tube Co											
----	1st mtge 4½s ser H 1990	A-O	102	104	101⅞	103	—	103⅜	— ------	— ------	101⅞ Jun 27	102⅜ May 16

• Negotiability impaired by maturity.

None.

△ Bond selling flat.

‡ Companies reported as being in bankruptcy receivership or being reorganized under Section 77 of the Bankruptcy Act or securities assumed by such companies

¶ The following bonds have been called for redemption, either partially or entirely:

Atlanta & Charlotte Air Line Ry. 3¾s due Nov. 1, 1963, entire issue called for redemption on Aug. 5 at par.

a Deferred delivery sale.

r Cash sale.

t Odd-lot sale.

x Sold ex-interest.

e The following transactions were made during the current month and are not included in the year's range because of the reason shown below:

None.

tized for FRASER

American Stock Exchange

Continued from page 39

Aggregate Sales in July $	Aggregate Sales Since Jan. 1 $	American Stock Exchange BONDS	Price Jan. 2, 1963 Opening or Bid	Price Jan. 2, 1963 Opening or Ask	PRICES IN JULY — July 1 Opening or Bid	July 1 Opening or Ask	July 31 Closing or Bid	July 31 Closing or Ask	Lowest Sale Prices	Highest Sale Prices	RANGE SINCE JAN. 1 Lowest Sale Prices	RANGE SINCE JAN. 1 Highest Sale Prices
99,000	796,000	Natl Bellas Hess 6s 1984	107	Sale	103⅛	104½	100½	Sale	100 July 30	104½ July 9	100 July 30	108¾ May 24
30,000	586,000	National General 5½s 1974	82½	Sale	87¼	Sale	87½	89	87¼ July 1	88 July 25	82⅛ Jan 10	88 Feb 27
107,000	2,355,000	National Research 5s 1976	108	Sale	120	Sale	117	120	115 July 25	122 July 9	105 Jan 30	126 Jun 18
21,000	388,000	Nuclear Corp of America— 5½s conv debs 1976	70	Sale	62¾	65	62	64	61¼ July 10	62¾ July 9	59 Apr 8	77 Jan 17
92,000	617,000	Ohio Power 3¼s 1968	97⅛	Sale	96½	Sale	95⅛	Sale	94¼ July 29	96½ July 1	94¼ July 29	98 Feb 7
3,000	82,000	1st mortgage 3s 1971	90	--	91¼	92¼	90	92¼	98¾ July 2	98¾ July 2	90 Feb 20	93 Jan 15
16,000	92,000	Penn Water & Pw 3¼s 1964	97¾	--	98¾	100	98¾	100	90 July 25	90 July 25	97¾ Mar 19	100 Feb 7
----	18,000	3¼s 1970	94½	96½	94½	--	93⅞	--	-- ------	-- ------	94½ Feb 4	95 May 15
22,000	102,000	Pub Serv El & Gas 6s 1998	125	129	126¼	Sale	122	126	125 July 9	126¼ July 1	124 Jan 8	127½ Apr 16
26,000	766,000	Rapid-American 7s 1967	98	Sale	85	Sale	86	Sale	84 July 22	86 July 10	74 May 17	100 Jan 14
93,000	2,858,000	5¾s conv sub debs 1977	90	Sale	67	Sale	62½	65	62 July 16	67 July 1	57 May 16	93½ Feb 6
3,000	73,000	Realty Equities Corp— 7½% sub deb ww 1972	88	88½	88¾	Sale	87	89½	87 July 29	89 July 3	85 Mar 27	91½ Jan 15
22,000	115,000	Reeves Broadcasting & Development 6s 1976	75	80	90	92	85½	89	85 July 29	89⅞ July 12	72 Jan 4	92 May 29
----	6,000	Safe Harbor Wt Pr 3s 1981	85	--	85	--	85	--	-- ------	-- ------	85 Feb 26	85 Feb 26
264,000	2,261,000	Southern Cal Edison 3s 1965	99	Sale	98⅝	Sale	98¼	Sale	98¼ July 24	98¾ July 5	97⅞ Jun 7	99¾ Apr 29
41,000	59,000	3⅛s series A 1973	89	--	87½	--	90	Sale	85½ July 16	90 July 31	85 Mar 25	92 Jan 14
19,000	45,000	3s series B 1973	88½	Sale	90	Sale	85	90	90 July 1	90 July 1	88¼ Apr 25	90¼ Jan 4
6,000	34,000	2⅞s series C 1976	86½	--	85½	86⅜	80	84	85½ July 2	85½ July 2	85½ Jun 21	87 Apr 4
5,000	40,000	3⅛s series D 1976	85	--	87⅜	89	87¼	89	87 July 10	87 July 10	86½ Jun 3	89 Feb 20
8,000	77,000	3⅝s series E 1978	93⅛	94¼	91	93	91½	92⅛	91½ July 2	91½ July 2	91½ Jun 24	94½ Feb 1
21,000	64,000	3s series F 1979	79	--	84⅛	85¾	83⅝	86¼	83⅝ July 24	85¾ July 11	83⅝ July 24	87⅜ Feb 11
31,000	276,000	3⅝s series G 1981	92⅞	93½	91⅜	--	91½	92⅛	91½ July 5	92⅛ July 3	91 Apr 15	93½ Jan 11
61,000	343,000	4¼s series H 1982	100¼	101¼	100	Sale	99	Sale	99 July 18	100 July 1	99 Jun 10	101⅜ Jan 10
3,000	68,000	4¾s series I 1982	104½	Sale	103	103⅞	104	--	104 July 5	104⅛ July 25	101½ May 17	104¾ Jan 4
----	100,000	4⅞s series J 1982	104	Sale	104	--	104	--	-- ------	-- ------	102¾ Apr 18	105 Mar 8
36,000	170,000	4⅝s series K 1983	103¼	--	100	104⅝	102¾	104	102 July 3	104 July 10	101½ May 17	104⅝ Jun 17
----	60,000	5s series L 1985	104½	106	104¾	107	104¾	107	-- ------	-- ------	104¾ Jan 17	106 Jan 3
46,000	221,000	4⅜s series M 1985	101⅝	--	101¾	Sale	102	Sale	99½ July 11	102 July 31	99½ July 11	103½ Jan 9
3,000	116,000	4½s series N 1986	102¾	Sale	101⅝	102	101¼	102	101¼ July 25	101¼ July 25	101⅛ Jun 4	104¼ Jan 28
57,000	368,000	4¼s series O 1987	101⅛	--	99	100	98½	99½	98½ July 18	99⅝ July 8	98½ July 18	101¾ May 14
16,000	327,000	4¼s series P 1987	--	--	101	101¾	99½	99¾	100 July 18	101 July 9	100 July 18	102 Mar 26
26,000	171,000	South Calif Gas 3¼s 1970	94¾	Sale	94	--	94	--	94 July 8	94 July 8	93¾ Apr 15	95½ Jan 22
13,000	63,000	Southern Counties Gas of California 3s 1971	91	91½	91¾	--	91	92¼	91 July 25	94 July 5	91 July 25	94 July 5
4,000	23,000	Southwestern Gas & Electric 3¼s A 1970	93⅛	--	93⅛	--	93⅛	--	93⅛ July 3	93¼ July 29	93⅛ Jan 24	94¾ Jan 8
4,000	108,000	Szabo Food Service 6s 1973	90	92	90½	92½	91½	92¾	90½ July 3	92½ July 5	87½ Feb 7	92½ July 5
11,000	454,000	Teleregister Corp 6s 1980	67	73½	80	81½	77½	79	78 July 24	80 July 3	66½ Jan 3	82 May 9
46,000	1,064,000	Transportation Corp of America 6½s 1973	100	Sale	103⅛	Sale	96½	98½	98 July 30	103⅛ July 1	90⅛ Mar 7	103½ May 28
2,000	168,000	United Improvement & Investment Corp 6s 1976	87	96	85	89	85	90	85 July 12	85 July 12	82½ May 21	100 Jan 10
49,000	254,000	U S Natural Gas 6s 1977	146	155	182	187	195	Sale	181 July 23	200 July 25	140½ Jan 31	200 July 25
41,000	137,000	Wash Water Pr 3½s 1964	99½	100¼	99⅜	100¼	99⅜	99½	99⅜ July 29	99⅝ July 3	98¾ Jan 18	99⅝ July 3
91,000	1,062,000	Webb & Knapp Inc 5s 1974	70⅛	Sale	57	Sale	56	Sale	54 July 1	58 July 18	51 Jun 10	70½ Jan 11
		FOREIGN GOVERNMENT AND MUNICIPALITIES										
----	----	△Baden (Germany) 7s 1981	120	--	120	--	110	--	-- ------	-- ------	-- ------	-- ------
----	3,000	△Danzig Port & Waterways Board 6½s 1952	7	13½	7¼	15	7¼	16	-- ------	-- ------	7¾ May 31	7¾ May 31
----	4,000	German Sav Bank & Clear Assn debt adjust debs 5¼s series A 1967	97½	--	97½	--	97½	--	-- ------	-- ------	97½ Feb 8	97½ Feb 8
----	4,000	4½s series B 1967	94¾	--	95¼	--	95¼	--	-- ------	-- ------	95 Feb 25	95¼ Apr 9
----	----	△Hanover (Prov) 6½s 1949	110	--	110	--	100	--	-- ------	-- ------	-- ------	-- ------
----	25,000	Maranhao (State of) Brazil Stpd pursuant to Plan A Int red to 2⅛% 2008	63½	--	65	75	65	70	-- ------	-- ------	66 Jan 30	70 May 9
6,000	29,000	Mtge Bk of Denmark 5s 1972	99	99⅞	99⅞	100	100	--	99⅞ July 3	99⅞ July 3	99 Jan 21	100 Apr 2
1,000	10,000	Parana (Brazil)— Stpd pursuant to Plan A Int red to 2⅛% 2008	50	61	50	53	52	55	52 July 9	52 July 9	50 Jun 19	60 Mar 13
290,000	1,911,000	Peru (Republic of)— 3s sinking fund 1997	43⅞	Sale	51	Sale	51	Sale	50½ July 8	51⅞ July 31	42⅛ Jan 18	51⅞ July 31
2,000	46,000	Rio de Janeiro— Stpd pursuant to Plan A Int red to 2% 2012	44	54	50	54	49	54	49 July 19	49 July 19	46 Mar 18	53 Jun 27

* No par value.
† Reported in receivership.
a Deferred delivery sale.
d Ex-interest.
f Ex-liquidating distribution.
g Ex-stock dividend.
r Sold for cash.
x Ex-dividend.
y Ex-rights.
z Corrected volume.

△Bonds being traded flat.

Abbreviations used above:
"cod"—Certificates of deposit.
"cons"—Consolidated.
"conv"—Convertible.
"cum"—Cumulative.
"m"—Mortgage.
"n-v"—Non-voting.
"vtc"—Voting trust certificates.
"x w"—Without warrants.

Deferred delivery sales, of which no account is taken in computing range, are given below:
No sales.

Under the rule sales, of which no account is taken in computing range, are given below:
No sales.

Cash sales, of which no account is taken in computing range, are given below:
No sales.

‡The volume of trading and the range of sale prices published here, is simply the trading and range for the new shares since this issue was either split, or since new stock was issued in connection with a stock dividend. The range and volume for the old shares can be found in the back issues of the BANK AND QUOTATION RECORD, in the month when the issue was removed from trading.

Details of all 1963 stock dividends and split-ups, are indicated below in alphabetical arrangement.

Name of Issue	Basis of Split or Stock Dividend	Date When Admitted to Trading	Name of Issue	Basis of Split or Stock Dividend	Date When Admitted to Trading
Alsco, Inc.	One-for-ten	Jun 28	Oxford Manufacturing Co.	100% in stock	Mar 21 wi
Burroughs (J P) & Son	One-for-three	Apr 1	Reliance Insurance Co.	Two-for-one	Apr 18 wi
Masco Corporation	100% in stock	May 9 wi	Roosevelt Raceway, Inc.	One-for-four	Apr 18
McCulloch Oil Corp. of Calif.	One-for-five	Jun 3	Tampa Electric Co.	100% in stock	Apr 17 wi
National Rubber Machinery Co.	Two-for-one	Apr 29			

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