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# Capital Market Developments

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Prepared by the  
**CAPITAL MARKETS SECTION**  
in conjunction with the  
**MORTGAGE and CONSUMER  
FINANCE SECTION**

**DIVISION OF RESEARCH AND STATISTICS**

**BOARD OF GOVERNORS  
FEDERAL RESERVE SYSTEM**  
Washington, D.C. 20551

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# Index

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## **TABLES**

- 1 – 6 SECURITY VOLUME AND YIELDS
- 7, 8 STOCK MARKET AND SECURITY CREDIT
- 9 – 16 MORTGAGE MARKET

## **SYMBOLS**

- e** ESTIMATE
- p** PRELIMINARY
- r** REVISED
- n.a.** NOT AVAILABLE
- DATA DO NOT EXIST

Table 1  
**YIELDS, VOLUME AND RECEPTION**

WEEK ENDING		CORPORATE BOND MARKET				
		YIELDS		VOLUME		
		NEW ISSUE <sup>1</sup> Aaa UTILITY	RECENTLY <sup>2</sup> OFFERED Aaa UTILITY	GROSS <sup>3</sup> OFFERINGS (\$ MILLIONS)	PER CENT SOLD BY END OF WEEK	NEW ISSUES <sup>4</sup> IN SYNDICATE (\$ MILLIONS)
1978 - July	7	9.18	9.20	76	41	45
	14	9.17	9.22	710	89	75
	21	9.12	9.19	742	92	63
	28	9.08	9.10	435	95	20
Aug.	4	8.90	8.91	310	100	0
	11	8.81	8.89	190	93	14
	18	--	9.00	43	100	0
	25	8.80r	8.87r	688	82	123
Sept.	1	8.78p	8.85p	133	68	33
WEEK ENDING		MUNICIPAL BOND MARKET				
		YIELDS		VOLUME		
		MOODY'S NEW ISSUE Aaa	BOND BUYER 20-BOND INDEX	GROSS <sup>3</sup> OFFERINGS (\$ MILLIONS)	PER CENT SOLD BY END OF WEEK	NEW ISSUES <sup>4</sup> IN SYNDICATE (\$ MILLIONS)
1978 - July	7	5.85	6.31	156	86	156
	14	5.85	6.32	1,041	91	165
	21	5.75	6.26	1,027	95	123
	28	5.74	6.24	757	86	191
Aug.	4	5.65	6.12	1,916	90	184
	11	5.55	6.03	1,027	92	172
	18	5.50	6.19	818	89	188
	25	5.60	6.11	1,485	95	179
Sept.	1	5.50	6.16	653	89	156

**NOTES:**

- 1 Federal Reserve series of implied yield on newly issued, Aaa-rated utility bond with 5-year call protection.
- 2 Federal Reserve series of implied free-market yield on competitively bid Aaa-rated utility bond with 5-year call protection, released from price restrictions sometime during the last four weeks.
- 3 Estimated by F.R. on the basis of available data.
- 4 Corporate Market: Salomon Brothers *Bond Market Roundup*; Municipal Market: *Weekly Bond Buyer*. Data are adjusted by Federal Reserve when necessary to make coverage of this series consistent with the gross offerings series.

Table 2  
**HIGH GRADE BOND YIELDS**

DATE	NEW ISSUE Aaa UTILITY <sup>1</sup>	RECENTLY OFFERED Aaa UTILITY <sup>2</sup>	MOODY'S SEASONED CORPORATE Aaa <sup>3</sup>	U.S. GOVT. 20-YEAR CONSTANT MATURITY <sup>4</sup>	BOND BUYER 20-BOND INDEX <sup>5</sup>
1974 - High	10.61 (10/4)	10.52 (10/11)	9.39 (10/11)	8.68 (8/30)	7.15 (12/12)
Low	8.05 (2/15)	8.13 (1/4)	7.73 (1/4)	7.39 (1/4)	5.15 (2/7)
1975 - High	9.80 (5/2)	9.71 (5/25)	9.01 (5/2)	8.63 (9/19)	7.67 (10/3)
Low	8.89 (2/7)	9.06 (2/28)	8.57 (2/28)	7.63 (2/21)	6.27 (2/13)
1976 - High	8.95 (5/28)	9.10 (1/2)	8.66 (5/28)	8.17 (5/28)	7.29 (1/2)
Low	7.93 (12/10)	7.84 (12/31)	7.91 (12/31)	7.27 (12/31)	5.95 (12/16)
1977 - High	8.36 (12/16)	8.48 (12/30)	8.28 (12/30)	7.99 (12/30)	5.93 (2/4)
Low	7.90 (1/7)	7.95 (1/7)	7.88 (1/7)	7.26 (1/7)	5.45 (11/17)
1978 - High	9.18 (7/7)	9.22 (7/14)	8.90 (7/14)	8.72 (7/14)	6.32 (7/13)
Low	8.60 (3/24)	8.48 (1/6)	8.30 (1/6)	8.02 (1/6)	5.58 (3/17)
1978 - July 7	9.18	9.20	8.85	8.68	6.31
14	9.17	9.22	8.90	8.72	6.32
21	9.12	9.19	8.89	8.69	6.26
28	9.08	9.10	8.88	8.67	6.24
Aug. 4	8.90	8.91	8.76	8.49	6.12
11	8.81	8.89	8.66	8.41	6.03
18	--	9.00	8.70	8.52	6.19
25	8.80r	8.87r	8.69r	8.42r	6.11
Sept. 1	8.78p	8.85p	8.66p	8.42p	6.16

**NOTES:**

- 1 Federal Reserve series of implied yield on newly issued, Aaa-rated utility bond with 5-year call protection.
- 2 Federal Reserve series of implied free-market yield on competitively bid Aaa-rated utility bond with 5-year call protection released from price restrictions sometime during the last 4 weeks.
- 3 Weekly average of daily closing figures.
- 4 Weekly average of daily figures. U.S. Treasury data.
- 5 Thursday figures. The average rating of the 20 bonds used in this index falls midway between the four top groups as classified by Moody's Investors Service. *Weekly Bond Buyer* data.

Table 3  
**LONG-TERM CORPORATE AND  
 STATE AND LOCAL GOVERNMENT  
 SECURITY OFFERINGS AND PLACEMENTS**  
 IN MILLIONS OF DOLLARS

PERIOD	GROSS PROCEEDS					
	CORPORATE <sup>1</sup>			STATE AND LOCAL <sup>2</sup>		
	1978	1977	1976	1978	1977	1976
January	3,013	4,362	3,381	3,298	3,402	2,451
February	2,657	2,792	3,863	2,746	3,442	2,885
March	4,442	5,578	6,632	4,751	4,063	3,365
April	3,285	3,998	3,507	3,800	3,409	2,218
May	3,677e	3,797	4,186	5,420	4,566	3,575
June	5,031e	5,660	6,439	4,238	5,786	3,115
July	3,300e	4,289	3,216	3,716	3,113	2,734
August	2,800e	3,469	3,357	6,100e	4,118	2,821
September		4,177	4,817		4,013	2,814
October		4,221	4,511		3,807	3,524
November		5,331	3,074		3,332	3,336
December		6,531	6,503		3,646	2,342
Q1	10,112	12,732	13,876	10,795	10,907	8,701
Q2	11,993e	13,455	14,132	13,458	13,761	8,908
Q3		11,935	11,390		11,244	8,369
Q4		16,083	14,088		10,785	9,202
1st Half	22,105e	26,187	28,008	24,253	24,668	17,609
3 Qtrs.		38,122	39,398		35,912	25,978
Year		54,205	53,488		46,697	35,180

## NOTES:

<sup>1</sup> Securities and Exchange Commission estimates of gross proceeds.

<sup>2</sup> Public Securities Association estimates of principal amounts.

e Estimated by Federal Reserve Board on the basis of available data.

Table 4

# NEW CORPORATE SECURITY ISSUES BY TYPE OF ISSUE AND ISSUER

IN MILLIONS OF DOLLARS

PERIOD	GROSS PROCEEDS BY TYPE OF ISSUE						GROSS PROCEEDS BY TYPE OF ISSUER			
	TOTAL	BONDS		COMMON AND PREFERRED STOCK	MEMO		MANUFAC- TURING	PUBLIC UTILITY	COMMUNI- CATIONS	OTHER ISSUERS
		PUBLICLY OFFERED	PRIVATELY PLACED		ISSUES INCLUDED					
					FOREIGN	CONVERTIBLE				
1977 - I	12,732	6,498	3,527	2,707	858	6	3,031	3,047	1,415	5,238
II	13,455	5,606	4,975	2,874	1,810	108	3,440	4,125	1,059	4,830
III	11,935	6,215	3,506	2,214	1,560	495	3,250	2,901	644	5,140
IV	16,083	5,867	5,999	4,217	1,025	39	4,054	4,246	1,320	6,460
1978 - I	10,112	4,748	3,383	1,981	1,275	4	2,218	2,367	844	4,684
1977 - March	5,578	2,610	1,773	1,195	125	0	1,145	1,588	808	2,038
April	3,998	1,961	1,446	591	600	50	1,381	984	334	1,298
May	3,797	1,600	949	1,248	350	2	643	1,670	309	1,176
June	5,660	2,045	2,580	1,035	850	56	1,416	1,471	416	2,356
July	4,289	2,360	972	695	935	25	1,349	903	277	1,761
August	3,469	1,947	965	557	150	262	1,068	497	45	1,858
September	4,177	1,908	1,569	700	475	208	833	1,501	322	1,521
October	4,221	2,114	979	1,128	300	1	731	1,437	8	2,045
November	5,331	2,211	1,200	1,920	425	22	782	1,729	1,013	1,805
December	6,531	1,542	3,820	1,169	300	16	2,541	1,080	299	2,610
1978 - January	3,013	1,382	998	633	325	0	273	644	519	1,578
February	2,657	1,464	667	526	0	0	716	465	34	1,441
March	4,442	1,902	1,718	822	950	4	1,229	1,258	291	1,665
April	3,285	1,958	853	474	550	20	549	743	35	1,960

**NOTES:**

1 Other issuers are extractive, railroad and other transportation, real estate and finance, and commercial and other.

Source: Securities and Exchange Commission.

Table 5A

# INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

OTHER THAN U.S. TREASURY <sup>1</sup>

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	COUPON RATE	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>CORPORATE</b>						
Houston First Savings Assoc.	Mtg.-backed	50.0	1984	8.88	8.90	--/AAA
Texas Oil & Gas Corp.	1st. mtg.	100.0	1998	9.00	9.00	A/A+
Pacific Northwest Bell Tel. Co.	Debt.	150.0	2018	8.75	8.75	Aaa/AAA
Allegheny Airline Inc.	pfd. stk. (conv)	40.0	--	7.50	7.50	B/B
Nevada Pwr. Co.	Com. stk.	17.5	--	--	--	--
Continental Telephone Co.	Com. stk.	23.8	--	--	--	--
Essex Chemical Corp.	Debt.	25.0	1998	11.38	11.38	B/B
Southwestern Electric Power Co.	1st. mtg.	50.0	2008	8.75	8.75	Aa/AA
Idaho Power Co.	1st. mtg.	60.0	2003	9.00	8.90	A/A
Pneumo Corp.	Debt.	25.0	1998	9.63	11.15	Ba/BB
Empire District Electric Co.	1st. mtg.	15.0	2008	9.13	9.13	A/A
Telemed Corp.	Debt.	15.0	1993	12.25	12.25	B/B
Duke Power Co.	pfd. stk.	40.4	--	8.84	8.84	A/A
Idaho Power Co.	Com. stk.	32.4	--	--	--	--
Memorex Corp.	Com. stk.	38.1	--	--	--	--
Norin Corp.	Debt.	25.0	1998	11.00	11.00	B/B
Atchison, Topeka & Santa Fe Railroad Co.	Equip. tr.	18.0	1979-1993	8.50	8.20-8.70	Aaa/AAA
Detroit Edison Co.	Com. stk.	81.9	--	--	--	--
Ford Motor Credit Co.	Debt	100.0	1990	8.88	8.97	Aa/A-
Iowa Public Service Co.	1st mtg.	25.0	2008	8.75	8.90	Aa/AA
Kenai Corp.	Debt.	27.5	1998	10.50	10.50	B/B
Southwestern Bell Telephone Co.	Debt.	300.0	2018	8.75	8.75	Aaa/AAA
Illinois Power Co.	1st mtg.	100.0	2008	8.88	8.88	Aa/AA

**NOTES:**

\* Rights offering.

1 Includes only corporate and other security offerings of \$15 million and over; excludes options, exchanges, and secondary offerings.

Table 5A Continued

# INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

## OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	COUPON RATE	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>CORPORATE</b>						
Beatrice Foods Co.	Debt	100.0	2008	8.50	8.50	Aaa/AAA
Wang Labs. Inc.	Com. stk.	15.1	--	--	--	--
Central Louisiana Energy Corp.	Com. stk.	27.3	--	--	--	--
Florida Pwr. & Light Co.	Pfd. stk.	50.0	--	8.84	8.75	A/A+
Mountain Fuel Supply Co.	Com. stk.	25.0	--	--	--	--
Equimark Corp.	Pfd. stk. (conv.)	15.0	--	9.24	9.24	--/ --
Telex Corp.	Debt.	35.0	1996	11.75	11.75	B/B
Houston Lighting & Power Co.	1st mtg.	125.0	2008	8.88	8.88	Aa/AA
<b>OTHER</b>						
Canada Export Development Corp.	Notes	125.0	1983	8.60	8.60	Aaa/AAA



Table 5B

## INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

OTHER THAN U.S. TREASURY <sup>1</sup>  
July 31 through September 1, 1978.

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
Texas Muni. Power Agy.	Rev.	72.5	1984-1997	6.92	5.35-6.60	A/A+
Texas Muni. Power Agy.	Rev.	45.4	2002	6.92	6.88	A/A+
Texas Muni. Power Agy.	Rev.	132.1	2011	6.92	7.00	A/A+
Maryland Transportation Auth.	Rev.	27.2	1979-1997	6.78	4.50-6.20	A-1/A
Maryland Transportation Auth.	Rev.	18.6	2003	6.78	6.63	A-1/A
Maryland Transportation Auth.	Rev.	76.2	2016	6.78	6.86	A-1/A
Owensboro, Ky.	Rev.	24.1	1991-1998	6.77	5.90-6.55	A-1/AA
Owensboro, Ky.	Rev.	22.5	2003	6.77	6.75	A-1/AA
Owensboro, Ky.	Rev.	31.3	2008	6.77	6.85	A-1/AA
Muscatine, Iowa	Rev.	16.4	1979-1997	6.32	4.70-5.90	A/A
Muscatine, Iowa	Rev.	13.6	2013	6.32	6.70	A/A
Portland, Oregon	Rev.	14.0	2010	8.05	7.87	--/--
Anchorage, Alaska	G.O.	5.3	1979-1991	5.77	4.50-5.90	A/A
Anchorage, Alaska	G.O.	20.7	1979-1996	6.04	4.50-6.30	A/A
Fort Pierce Utilities Auth., Fla.	Rev.	37.0	1978-2003	6.23	4.40-6.60	A/A
Fort Pierce Utilities Auth., Fla.	G.O.	30.4	1979-2003	5.25	4.30-5.75	Aaa/AAA
Bellevue Sch. Dist. # 405, Wash.	G.O.	18.4	1979-1991	--	4.70-5.50	--/--
Bay Co., Mich.	G.O.	28.0	1982-2008	6.21	4.80-6.70	A-1/A+
Brownsville, Texas	Rev.	9.1	1984-1997	7.39	5.70-6.90	Baa-1/--
Brownsville, Texas	Rev.	24.2	2010	7.39	7.38	Baa-1/--
Hattiesburg, Miss.	Rev.	4.7	1981-1995	--	5.50-7.50	Baa/A-
Hattiesburg, Miss.	Rev.	10.3	2008	--	8.00	Baa/A-
Cincinnati, Ohio	G.O.	11.5	1979-2003	5.35	4.50-6.00	Aa/AA
Houston, Texas	G.O.	40.0	1979-1998	5.18	4.50-5.65	Aaa/AAA

**NOTES:**

- 1 Includes only state and local security offerings of \$10 million and over; excludes secondary offerings.
- 2 For State and local government securities, G.O. denotes general obligation; Rev. denotes revenue obligations.

## INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

### OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
Olathe Unified Sch. Dist., Kan.	G.O.	13.7	1979-1993	5.36	4.50-5.50	--/AAA
University of Texas at Austin	Rev.	6.4	1979-1998	5.68	4.60-6.15	A-1/AA
University of Texas at Austin	Rev.	16.9	1979-2000	5.78	4.60-6.20	A-1/AA
University of Texas System	Rev.	33.0	1981-1996	5.57	4.80-5.95	A-1/AA
San Antonio, Texas	Rev.	75.0	1980-2003	5.97	4.70-6.50	Aa/AA
Kentucky Housing Corp.	Rev.	47.0	1980-1998	6.64	4.90-6.20	Aa/AA
Kentucky Housing Corp.	Rev.	78.0	2011	6.64	6.79	Aa/AA
Las Vegas Valley Water Dist., Nev.	G.O.	21.0	1982-1998	5.83	5.00-6.05	A-1/A
Wyoming Development Auth.	Rev.	38.5	1980-1998	6.35	4.90-6.25	Aa/AA
Wyoming Development Auth.	Rev.	15.1	2009	6.35	6.70	Aa/AA
Massachusetts, State of	G.O.	238.0	1979-1989	6.42	4.75-6.00	A-1/AA
Massachusetts, State of	G.O.	133.4	1993	6.42	6.20	A-1/AA
Massachusetts, State of	G.O.	261.4	2000	6.42	6.59	A-1/AA
Knox Co. Hlth. & Educ. Fac. Bd., Tenn.	Rev.	15.5	1979-1995	--	4.80-6.60	A-1/A+
Knox Co. Hlth. & Educ. Fac. Bd., Tenn.	Rev.	15.5	2003	--	7.25	A-1/A+
Eastern Illinois Univ.	Rev.	5.5	1979-1993	--	5.00-6.75	A/A
Eastern Illinois Univ.	Rev.	12.8	2006	--	7.20	A/A
Western Illinois Univ.	Rev.	34.4	1979-2009	--	5.00-7.25	A/A-
Oregon, State of	G.O.	13.5	1979-2005	5.37	4.25-5.80	Aaa/AA
Oregon, State of	G.O.	13.2	1982-2005	5.43	4.60-5.80	Aaa/AA
Oregon, State of	G.O.	2.5	1981-2008	5.65	4.60-5.80	Aaa/AA
Oregon, State of	G.O.	3.2	1981-2008	5.67	4.60-5.80	Aaa/AA
Oakland Co. Comm. College Dist., Mich.	G.O.	21.5	1980-1994	5.92	4.75-6.10	A-1/A+
New Jersey Hlth. Fac. Fin. Auth.	Rev.	4.2	1979-1994	7.06	4.75-6.70	A/A
New Jersey Hlth. Fac. Fin. Auth.	Rev.	10.8	2008	7.06	7.06	A/A
Hamilton Co., Tenn.	G.O.	16.0	1979-1998	5.21	4.40-5.50	Aa/AA
New Jersey Highway Auth.	Rev.	26.4	1985-1998	6.59	5.30-6.40	A/A-

Table 5B Continued

# INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

## OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
New Jersey Highway Auth.	Rev.	56.2	2011	6.59	6.60	A/A-
Largo, Fla.	Rev.	3.2	1979-1993	7.11	4.75-6.50	Baa-1/BBB+
Largo, Fla.	Rev.	4.7	2003	7.11	7.00	Baa-1/BBB+
Largo, Fla.	Rev.	9.4	2013	7.11	7.13	Baa-1/BBB+
West Palm Beach, Fla.	Rev.	15.0	1979-1996	--	4.50-6.20	A/A
Scranton Hlth. & Welfare Auth., Pa.	Rev.	10.8	1981-2008	--	5.75-7.50	Baa-1/--
Gary, Indiana	Rev.	50.0	2008	--	6.77	Aa/AA-
Douglas Co. Schl. Dist., Nev.	G.O.	11.9	1979-1998	5.93	5.00-6.15	A/A
Allegheny Co. Sanitary Auth., Pa.	Rev.	19.0	1979-1996	--	4.90-6.65	--/AA
Allegheny Co. Sanitary Auth., Pa.	Rev.	6.0	1999	--	6.75	--/AA
Allegheny Co. Sanitary Auth., Pa.	Rev.	13.1	2003	--	6.88	--/AA
Orlando, Fla.	Rev.	22.0	1984-2007	6.27	5.00-6.50	A/A+
Detroit School District, Mich.	G.O.	30.5	1979-1993	6.04	4.75-6.10	A/AA
Pleasants Co., W. Va.	Rev.	11.5	2003	7.05	6.95	A/--
Pleasants Co., W. Va.	Rev.	20.0	2008	7.05	7.04	A/--
Bergen Co. Utilities Auth., N.J.	Rev.	107.8	1978-2009	5.52	4.30-5.80	Aaa/AAA
Bergen Co. Utilities Auth., N.J.	Rev.	36.3	1990-2000	6.35	5.40-6.15	Aa/A+
Bergen Co. Utilities Auth., N.J.	Rev.	53.9	2009	6.35	6.40	Aa/A+
Salt Lake City, Utah	Rev.	4.0	1980-1997	7.32	5.00-7.00	A-1/A+
Salt Lake City, Utah	Rev.	7.0	2009	7.32	7.35	A-1/A+
Underwood, N.D.	Rev.	16.5	1980-1999	6.93	5.00-6.75	A/A+
Underwood, N.D.	Rev.	23.0	2008	6.93	7.00	A/A+
Underwood, N.D.	Rev.	21.0	1980-1999	6.93	5.00-6.75	A/A+
Underwood, N.D.	Rev.	29.3	2008	6.93	7.00	A/A+
Savannah, Ga.	Rev.	22.2	1991-2007	--	5.40-6.35	--/--
Johnson Co. Water Dist., Kan.	Rev.	20.5	1979-1992	--	4.60-5.50	--/--
Health Central Inc., Minn.	Rev.	26.7	1979-2008	--	5.00-7.63	--/--

## INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

### OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
Largo, Fla.	Rev.	19.8	1978-2012	--	4.25-6.10	Aaa/AAA
Middletown Tp., Pa.	Rev.	9.1	1979-2012	--	4.50-6.70	--/AAA
Middletown Tp., Pa.	Rev.	13.0	1980-2012	--	4.80-6.20	Aaa/AAA
Northglenn, Colo.	G.O.	12.6	1981-1998	--	4.90-6.25	A/--
Northglenn, Colo.	G.O.	16.4	2008	--	6.80	A/--
Allegheny Co. Sant. Auth., Pa.	Rev.	12.9	1979-1988	--	4.50-5.40	A/--
Colorado Health Fac. Auth.	Rev.	4.2	1979-1996	--	4.80-6.70	A/A+
Colorado Health Fac. Auth.	Rev.	7.8	2008	--	7.13	A/A+
Shelby Co. Health Fac., Tenn.	Rev.	16.7	1979-1995	--	4.80-6.70	A/A
Shelby Co. Health Fac., Tenn.	Rev.	23.8	2005	--	7.25	A/A
Missouri Hsg. Dev. Comm.	Rev.	17.0	1981-1996	6.24	4.70-6.00	Aa/AA
Missouri Hsg. Dev. Comm.	Rev.	11.0	2010	6.24	6.75	Aa/AA
Allegheny Co., Pa.	G.O.	31.8	1979-2008	6.47	4.70-6.90	Baa1/AA
West Knox Utilities Dist., Tenn.	Rev.	8.2	1979-1998	--	5.30-6.40	--/AAA
West Knox Utilities Dist., Tenn.	Rev.	7.7	2006	--	7.25	--/AAA
Northern Illinois Univ.	Rev.	9.6	1979-1993	--	4.75-6.50	A-1/A+
Northern Illinois Univ.	Rev.	19.0	2005	--	7.00	A-1/A+
Franklin Co., Ohio	Rev.	15.3	1982-1998	6.96	5.30-6.80	A-1/A+
Franklin Co., Ohio	Rev.	23.8	2009	6.96	7.00	A-1/A+
Jackson, Tenn.	Rev.	8.4	1980-1996	--	5.00-6.60	Baa-1/BBB+
Jackson, Tenn.	Rev.	21.6	2012	--	7.20	Baa-1/BBB+
Oklahoma City, Okla.	G.O.	14.6	1981-1986	4.89	4.40-4.65	Aa/AA
Palm Beach Co., Fla.	G.O.	35.0	1980-2008	6.06	4.60-6.40	A-1/A+
California, State of	G.O.	100.0	1979-2003	5.43	4.25-5.70	Aaa/AAA
Washington, State of	G.O.	47.4	1979-2002	5.30	4.40-5.80	Aa/AA+
Vero Beach, Fla.	Rev.	30.5	2007	--	6.50	--/--
Vero Beach, Fla.	Rev.	8.4	2011	--	6.50	--/--

Table 5B Continued

## INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
Springfield, Mo.	Rev.	16.0	1979-2002	6.16	5.60-6.25	A/A
Springfield, Mo.	Rev.	7.8	2007	6.16	6.46	A/A
San Jose, Cal.	Rev.	11.0	1980-2003	6.09	4.70-6.20	A/A
Delaware, State of	G.O.	50.0	1979-1998	5.97	4.75-6.25	A/A+
Marin Co. Redev. Agy., Cal.	Rev.	5.8	1981-1998	--	5.25-6.88	--/--
Marin Co. Redev. Agy., Cal.	Rev.	9.9	2010	--	7.00	--/--
Seattle School Dist. #1, Wash.	G.O.	20.9	1978-1987	--	3.90-5.15	--/--
Seattle School Dist. #1, Wash.	G.O.	1.6	1979-1988	--	4.55-5.20	--/--
Harris Co. Flood Control Dist., Texas	G.O.	20.0	1979-1998	5.19	4.40-5.70	Aaa/AAA
Kelberg Co., Texas	Rev.	4.3	1982-1999	--	6.00-7.75	--/--
Kelberg Co., Texas	Rev.	5.6	2008	--	8.00	--/--
Coral Springs, Fla.	Rev.	8.7	1979-1998	--	4.60-6.40	--/--
Coral Springs, Fla.	Rev.	10.3	2008	--	6.60	--/--
Louisiana Offshore Terminal Auth.	Rev.	159.9	1982-1993	6.37	5.10-5.80	Aa/AA-
Louisiana Offshore Terminal Auth.	Rev.	61.6	1998	6.37	6.10	Aa/AA-
Louisiana Offshore Terminal Auth.	Rev.	228.5	2008	6.37	6.50	Aa/AA-
King Co., Wash.	G.O.	162.9	1980-2016	6.26	4.70-6.50	Aa/AA
New Castle Co., Del.	G.O.	13.2	1979-2003	6.00	4.70-6.25	Aa/AA
Albany Co., N.Y.	G.O.	35.0	1979-2000	6.40	4.90-6.85	A/A
Massachusetts Port Auth.	Rev.	76.1	1979-1997	7.11	5.00-6.90	A/A
Massachusetts Port Auth.	Rev.	166.4	2012	7.11	7.13	A/A
Utah, State of	G.O.	25.1	1983-1989	4.87	4.60-4.88	Aaa/AAA
Utah, State of	G.O.	25.0	1981-1989	4.87	4.45-4.88	Aaa/AAA
Suffolk Co., N.Y.	G.O.	60.8	1979-1997	6.51	4.75-6.60	A/A
Cook Co., Ill.	G.O.	69.0	1980-1997	5.74	4.75-6.10	Aa/--
Bolingbrook, Ill.	Rev.	4.0	1982-1993	--	5.75-6.90	--/A+
Bolingbrook, Ill.	Rev.	13.0	2008	--	7.25	--/A+

## INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

### OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
Pleasants Co., W.Va.	Rev.	21.0	2008	7.36	7.30	Baa/--
Gloucester Co. Util. Auth., N.J.	Rev.	6.7	1989-2003	--	5.50-6.50	--/--
Gloucester Co. Util. Auth., N.J.	Rev.	9.6	2018	--	6.63	--/--
Minnesota Hsg. Fin. Agy.	Rev.	18.2	1981-1998	7.10	5.00-6.75	A-1/AA
Minnesota Hsg. Fin. Agy.	Rev.	12.6	2004	7.10	6.94	A-1/AA
Minnesota Hsg. Fin. Agy.	Rev.	73.3	2021	7.10	7.10	A-1/AA
Wichita Unified Sch. Dist. #259, Kan.	G.O.	25.6	1979-1992	5.30	4.60-5.40	Aa/AA
New Smyrna Beach Util. Comm., Fla.	Rev.	5.4	1982-1993	--	5.35-6.40	A/BBB+
New Smyrna Beach Util. Comm., Fla.	Rev.	9.1	2003	--	7.00	A/BBB+
New Smyrna Beach Util. Comm., Fla.	Rev.	11.3	2010	--	7.13	A/BBB+
New Smyrna Beach Util. Comm., Fla.	G.O.	21.3	1979-2005	--	4.50-6.00	--/--
Sebring Utilities Comm., Fla.	Rev.	8.4	1979-2000	6.61	4.75-6.80	A/--
Sebring Utilities Comm., Fla.	Rev.	5.5	1978-1997	5.32	4.20-5.90	Aaa/AAA
Petersburg, Ind.	Rev.	22.2	2008	6.70	6.60	Aa/AA
Vermont Hsg. Fin. Agy.	Rev.	3.0	1980-1997	--	5.00-6.75	A-1/--
Vermont Hsg. Fin. Agy.	Rev.	2.6	2004	--	7.00	A-1/--
Vermont Hsg. Fin. Agy.	Rev.	5.1	2020	--	7.13	A-1/--
Gtr. Orlando Aviation Auth., Fla.	Rev.	33.5	1982-1995	7.00	5.50-6.70	A/BBB+
Gtr. Orlando Aviation Auth., Fla.	Rev.	11.5	2000	7.00	6.88	A/BBB+
Gtr. Orlando Aviation Auth., Fla.	Rev.	80.0	2008	7.00	7.00	A/BBB+
Minneapolis, Minn.	Rev.	4.7	1979-1993	--	4.80-6.40	A-1/A+
Minneapolis, Minn.	Rev.	12.1	2008	--	7.00	A-1/A+
Anaheim Stadium, Inc., Cal.	Rev.	6.5	1979-1993	--	5.00-6.70	A/A-
Anaheim Stadium, Inc., Cal.	Rev.	5.3	2001	--	7.00	A/A-
Anaheim Stadium, Inc., Cal.	Rev.	13.2	1979-2001	--	4.50-5.90	Aaa/AAA
New York State Dorm. Auth.	Rev.	4.5	1980-1998	6.85	5.25-6.75	A/A

Table 5B Continued

## INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

OTHER THAN U.S. TREASURY

July 31 through September 1, 1978

ISSUER	TYPE	AMOUNT (MILLIONS OF DOLLARS)	MATURITY	NET INTEREST COST	OFFERING YIELD	MOODY'S/S&P'S RATINGS
<b>STATE AND LOCAL</b>						
New York State Dorm. Auth.	Rev.	2.4	2003	6.85	6.80	A/A
New York State Dorm. Auth.	Rev.	3.4	2008	6.85	6.91	A/A
Louisiana Pub. Fac. Auth.	Rev.	4.6	1979-1992	--	4.90-6.60	A/A-
Louisiana Pub. Fac. Auth.	Rev.	8.4	2003	--	7.25	A/A-
Riverside, Calif.	Rev.	3.3	1979-1993	--	5.50-7.40	--/--
Riverside, Calif.	Rev.	7.2	2004	--	7.77	--/--
Pueblo, Colo.	Rev.	7.6	1980-1999	--	4.90-6.80	Aa/AA
Pueblo, Colo.	Rev.	12.4	2010	--	7.00	Aa/AA
Denver, Colo.	Rev.	19.0	1980-1999	--	4.90-6.80	Aa/AA
Denver, Colo.	Rev.	31.0	2010	--	7.00	Aa/AA
Dallas Ind. Sch. Dist., Texas	G.O.	50.0	1981-2000	5.19	4.50-5.90	Aaa/AA
Mobile, Ala.	G.O.	14.5	1992-2003	6.31	5.70-6.40	A/A+
Rosemont, Ill.	Rev.	9.0	1984-2000	--	6.00-7.10	A/--
Rosemont, Ill.	Rev.	10.0	2008	--	7.50	A/--
Pensacola, Fla.	Rev.	24.7	1979-1998	--	4.50-6.00	--/--
Pensacola, Fla.	Rev.	38.1	1978-1998	--	4.75-6.50	Baa-1/AAA
Michigan State Hsg. Dev. Auth.	Rev.	9.2	1981-1998	--	5.00-6.75	A-1/A+
Michigan State Hsg. Dev. Auth.	Rev.	3.3	2002	--	6.95	A-1/A+
Michigan State Hsg. Dev. Auth.	Rev.	8.6	2009	--	7.04	A-1/A+
Michigan State Hsg. Dev. Auth.	Rev.	29.9	2022	--	7.16	A-1/A+
Kansas Higher Educ.	Rev.	15.0	1982	--	5.20	--/--
Savannah Hosp. Auth., Ga.	Rev.	12.9	1982-1996	--	5.80-7.25	Baa-1/A-
Savannah Hosp. Auth., Ga.	Rev.	20.0	2006	--	7.63	Baa-1/A-
Savannah Hosp. Auth., Ga.	Rev.	6.1	2008	--	7.62	Baa-1/A-

Table 6A

# FORTHCOMING INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

OTHER THAN U.S. TREASURY <sup>1</sup>

As of September 1, 1978

ISSUER	TYPE	AMOUNT (IN MILLIONS OF DOLLARS)	APPROXIMATE DATE OF OFFERING
<b>CORPORATE</b>			
Philip Morris Inc.	Notes	200.0	Sept. 6
Central Power & Light Co.	1st. mtg.	75.0	Sept. 7
Anheuser-Busch Inc.	Debt.	100.0	Sept. 7
Ramada Inns Inc.	Debt.	75.0	Sept. 12
Southern Bell Tele. & Tel. Co.	Debt.	150.0	Sept. 12
Oklahoma Gas & Electric Co.	Com. stk.	54.0	Sept. 13
Iowa-Illinois Gas & Electric Co.	1st. mtg.	20.0	Sept. 13
Consumers Power Co.	Com. stk.	90.0	Sept. 13
Consumers Power Co.	1st. mtg.	75.0	Sept. 14
Gulf Power Co.	1st. mtg.	25.0	Sept. 19
*Union Electric Co.	Com. stk.	60.0	Sept. 19
*Natural Rural Utilities Coop. Fin. Corp.	Bonds	50.0	Sept. 19
Ohio Edison Co.	Pfd. stk.	45.0	Sept. 19
Metro Edison Co.	1st. mtg.	50.0	Sept. 20
Rochester Gas & Electric Co.	Com. stk.	20.0	Sept. 20
Montana-Dakota Utilities Co.	1st. mtg.	20.0	Sept. 21
Washington Water Power Co.	Com. stk.	20.0	Sept. 21
Dayton Pwr. & Light Co.	Com. stk.	42.5	Sept. 21
Trailer Train Co.	Equip. tr.	24.0	Sept. 21
United Telephone Co. of Ohio	Debt.	35.0	Sept. 21
Public Service of Colorado	1st. mtg.	50.0	Sept. 26
Texas Transmission Corp.	Com. stk.	45.0	Sept. 27
Wainoco Oil Corp.	Conv. debt.	25.0	Sept.
Bally Manufacturing Co.	Conv. debt.	30.0	Sept.
Consolidated Oil & Gas Co.	Debt.	24.0	Sept.
Shearson-Haydon Stone Co.	Debt.	25.0	Sept.
*Sea Containers Inc.	Debt.	25.0	Sept.
*Indianapolis Power & Light Co.	1st. mtg.	22.0	Sept.
Dravo Corp.	Com. stk.	22.0	Sept.
National CCS Inc.	Conv. debt.	18.0	Sept.
General Cable Corp.	Pfd. stk. (conv.)	53.0	Sept.
*Chesapeake & Potomac Tel. Co. of Maryland	Debt.	125.0	Oct. 3
*Sierra Pacific Power Co.	Com. stk.	15.0	Oct. 4
*El Paso Elec. Co.	Pfd. stk.	20.0	Oct. 5
*Carolina Power & Light Co.	Com. stk.	76.0	Oct. 11
<b>OTHER</b>			
*Finland, Republic of	Debt.	100.0	Sept.

**NOTES:**

\* Included in table for first time.

<sup>1</sup> Includes only corporate and other security issues of \$15 million and over; excludes exchanges, options



Table 6B

# FORTHCOMING INTERMEDIATE AND LONG-TERM PUBLIC SECURITY OFFERINGS

OTHER THAN U.S. TREASURY <sup>1</sup>

As of September 1, 1978

ISSUER	TYPE	AMOUNT (IN MILLIONS OF DOLLARS)	APPROXIMATE DATE OF OFFERING
<b>STATE &amp; LOCAL</b>			
*Industry, Cal.	Rev.	50.0	Sept. 6
Florida State Board of Education	G.O.	125.0	Sept. 7
*Washington Public Power Supply Sys.	Rev.	200.0	Sept. 12
Fargo, N.D.	G.O.	13.1	Sept. 13
*Massachusetts Mun. Wholesale Elect. Co.	Rev.	75.0	Sept. 14
*Baytown Area Water Auth., Tex.	Rev.	11.9	Sept. 14
*Columbus, Ohio	G.O.	40.3	Sept. 18
*Louisiana, State of	G.O.	83.7	Sept. 19
San Fran. Airports Comm., Calif.	Rev.	90.0	Sept. 19
Tulsa Airports Improve. Trust, Okla.	Rev.	47.0	Sept. 19
*Houston, Texas	Rev.	45.0	Sept. 20
Wayne Co., Mich.	G.O.	14.4	Sept. 20
Dallas, Texas	G.O.	25.0	Sept. 20
Alabama Pub. Sch. & College Auth.	Rev.	60.0	Sept. 20
Vermilion Par. Sch. Dist., La.	G.O.	10.0	Sept. 21
*Shreveport, La.	Rev.	22.0	Sept. 26
Kansas City, Kansas	Rev.	30.0	Sept. 26
Chula Vista Redev. Agency., Calif.	Rev.	48.8	Sept. 26
Illinois Indust. Poll. Ctr. Fin. Auth.	Rev.	13.0	Sept. 27
Jasper Medical Clinic Bd., Ala.	Rev.	23.0	Sept.
Kentucky Turnpike Auth.	Rev.	250.0	Sept.
*Municipal Asst. Corp. N.Y.C.	G.O.	125.0	Sept.

**NOTES:**

<sup>1</sup> Includes state and local government issues of \$10 million and over, foreign government, International Bank for Reconstruction issues of Federally sponsored agencies; excludes secondary offerings.

\* Included in the table for the first time.

Table 7

# STOCK PRICES AND VOLUME

DATE	STOCK PRICES <sup>1</sup>				TRADING VOLUME <sup>2</sup>		
	NYSE INDEX <sup>3</sup>	DJ INDUSTRIALS	AMEX <sup>4</sup>	NASDAQ	NYSE	AMEX	NASDAQ
1974-High	53.37 (3/13)	891.66 (3/13)	102.01 (3/14)	96.53 (3/15)	24.9 (1/3)	4.4 (1/3)	7.5 (1/3)
Low	32.89 (10/3)	577.60 (12/6)	58.26 (12/9)	54.87 (10/3)	7.5 (7/5)	.9 (9/26)	2.8 (7/5)
1975-High	51.24 (7/15)	881.81 (7/15)	96.86 (7/15)	88.00 (7/15)	35.2 (2/13)	4.2 (2/21)	8.1 (2/13)
Low	37.16 (1/8)	632.04 (1/2)	62.20 (1/2)	60.70 (1/2)	8.7 (9/15)	1.1 (9/15)	2.5 (9/15)
1976-High	57.51 (9/21)	1014.79 (9/21)	107.05 (7/12)	92.52 (7/15)	44.5 (2/20)	8.6 (2/20)	11.1 (2/20)
Low	48.04 (1/2)	858.71 (1/2)	84.31 (1/2)	78.06 (1/2)	10.3 (1/2)	1.1 (1/2)	3.5 (1/2)
1977-High	57.69 (1/3)	999.75 (1/3)	127.89 (12/30)	105.05 (12/30)	35.3 (11/11)	4.2 (1/13)	11.2 (11/10)
Low	49.78 (11/2)	800.85 (11/2)	109.61 (1/12)	93.66 (4/5)	10.6 (10/10)	1.4 (9/22)	5.1 (5/27)
1978-High	59.26 (8/24)	900.12 (8/17)	170.70 (9/1)	135.84 (8/25)	66.4 (8/3)	7.5 (8/30)	18.8 (5/18)
Low	48.37 (3/6)	742.12 (2/28)	119.73 (1/11)	99.09 (1/11)	7.6 (1/20)	1.3 (1/20)	2.8 (1/20)
July 7	53.34	812.46	146.30	119.16	20.9	2.7	7.8
14	54.82	839.83	149.92	121.58	25.7	3.4	9.9
21	54.91	833.42	151.84	123.60	28.5	3.8	11.3
28	56.18	856.29	154.15	125.62	30.6	3.8	11.1
Aug. 4	58.34	888.43	157.93	129.71	44.1	4.9	14.2
11	58.53	890.94	161.30	132.00	38.0	4.7	14.2
18	59.06	897.00	164.52	134.71	35.6	5.5	15.0
25	59.22	895.53	167.89	135.84	34.7r	5.6r	14.3r
Sept. 1	58.54	879.33	170.70	135.35	34.3	7.0	14.3

## NOTES:

- 1 Figures other than highs and lows are Fridays only. Highs and lows are for the year and are not necessarily for Fridays.
- 2 Volume figures are weekly averages of daily figures (millions of shares).
- 3 12/31/65 = 50
- 4 Based on average price change until September 4, 1973 thereafter, based on market value of shares listed.

Table 8  
**SECURITY CREDIT**

END OF PERIOD	REGULATED MARGIN CREDIT EXTENDED BY			UNREGULATED NONMARGIN STOCK CREDIT AT BANKS
	BROKERS ON <sup>1</sup> MARGIN STOCK	BROKERS ON <sup>2</sup> CONVERTIBLE BONDS	BANKS <sup>3</sup>	
<b>OUTSTANDING</b>				
1977 - April	8,880	196	807	2,350
May	9,070	196	801	2,345
June	9,230	198	873	2,551
July	9,460	204	875	2,568
August	9,560	200	885	2,587
September	9,590	196	881	2,581
October	9,560	191 <sup>5/</sup>	882	2,579
November	9,610	246 <sup>5/</sup>	872	2,604
December	9,740	250	873	2,568
1978 - January	9,590	246	851	2,565
February	9,780	242	877	2,544
March	9,920	246 <sup>r</sup>	855	2,544
April	10,260	248	914	2,560
May	10,660	245		series discontinued
June	11,090	242		
July	11,190			
<b>CHANGE IN OUTSTANDING</b>				
1977 - April	190	-3	-3	38
May	190	--	-6	-5
June	160	2	72	206
July	230	6	-2	17
August	100	-4	10	19
September	30	-4	-4	-6
October	-30	-5	1	-2
November	50	n.a. <sup>5/</sup>	-10	25
December	130	4	1	-36
1978 - January	-150	-4	-22	-3
February	190	-4	26	-21
March	140	4 <sup>r</sup>	-22	--
April	340	2	-59	16
May	400	-3		series discontinued
June	430	-3		
July	100			

**NOTES:**

- Margin account debt as reported by the New York Stock Exchange, excluding credit for subscription issues and convertible bonds.
- New York Stock Exchange data.
- June data for banks are universe totals; all other data for banks represent estimates for all commercial banks based on reports by a reporting sample, which accounted for 60 per cent of security credit outstanding at banks on June 30.
- Nonmargin stocks are those not listed on a national securities exchange and not included on the Board of Governors of the Federal Reserve System's list of OTC margin stocks. At banks, loans to purchase or carry nonmargin stocks are unregulated; at brokers, such stocks have no value.
- Data prior to November not strictly comparable due to changes in reporting.

Table 9  
**SAVINGS FLOWS AT NONBANK THRIFT INSTITUTIONS**  
 IN MILLIONS OF DOLLARS

DATE	MUTUAL SAVINGS BANKS			SAVINGS & LOAN ASSOCIATIONS			TOTAL		
	REGULAR DEPOSITS <sup>1</sup>		NET NEW MONEY <sup>2</sup>	SHARE CAPITAL		NET NEW MONEY <sup>2</sup>	DEPOSITS		NET NEW MONEY <sup>2</sup>
	NET FLOW	ANNUAL GROWTH RATE <sup>3</sup>		NET FLOW	ANNUAL GROWTH RATE <sup>3</sup>		NET FLOW	ANNUAL GROWTH RATE <sup>3</sup>	
1974	2,165	2.3	-2,822	16,006	7.1	4,668	18,171	5.6	1,846
1975	11,070	11.3	4,757	42,769	17.6	29,276	53,839	15.8	34,033
1976	12,670	11.6	5,275	50,169	17.6	34,369	62,839	15.9	39,644
1977	10,647	8.9	2,874	50,963	15.2	32,004	61,610	13.5	34,783
				<u>NOT SEASONALLY ADJUSTED</u>					
1977-November	406	--	99	1,729	--	1,516	2,135	--	1,615
December	1,425	--	-115	5,542	--	883	6,967	--	768
1978-January	626	--	-59	2,745	--	2,877	3,371	--	2,818
February	476	--	170	2,297	--	2,073	2,773	--	2,243
March	1,712	--	338	7,153	--	2,592	8,865	--	2,930
April	-264	--	-553	558	--	401	294	--	-152
May	436	--	97	2,380	--	2,145	2,816	--	2,242
June	1,277	--	-97	6,645	--	1,744	7,922	--	1,647
July <sup>p/</sup>	350	--	50	3,031	--	2,818	3,381	--	2,868
				<u>SEASONALLY ADJUSTED</u>					
1977-November	515	4.7	--	3,711	11.7	--	4,226	9.9	--
December	655	5.9	--	3,410	10.6	--	4,065	9.4	--
1978-January	721	6.5	--	2,012	6.2	--	2,733	6.3	--
February	370	3.3	--	2,226	6.8	--	2,596	5.9	--
March	448	4.0	--	2,846	8.7	--	3,294	7.5	--
April	341	3.0	--	2,133	6.5	--	2,474	5.6	--
May	543	4.8	--	3,009	9.1	--	3,552	8.0	--
June	487	4.3	--	3,454	10.3	--	3,941	8.8	--
July <sup>p/</sup>	972	8.6	--	5,200	15.4	--	6,172	13.7	--

**NOTES:**

- 1 Regular deposits at mutual savings banks exclude items such as Christmas club and certain escrow accounts, which represent a very small part of total deposits.
- 2 New deposits net of both withdrawals and interest. Data for S&L's are for insured associations only, which represent 96 per cent of industry total resources.
- 3 Annual growth rate for monthly data is the annualized monthly percentage increase in deposits.

Source: National Association of Mutual Savings Banks and Federal Home Loan Bank Board.

Table 10

# MORTGAGE COMMITMENTS AT SELECTED THRIFT INSTITUTIONS

BILLIONS OF DOLLARS, SEASONALLY ADJUSTED

PERIOD	OUTSTANDING COMMITMENTS			NET CHANGE		
	TOTAL	ALL SAVINGS & LOAN ASSOCIATIONS	MUTUAL SAVINGS BKS (N.Y. STATE)	TOTAL	ALL SAVINGS & LOAN ASSOCIATIONS	MUTUAL SAVINGS BKS (N.Y. STATE)
1972	25.3	20.3	5.0	7.48	6.28	1.20
1973	20.0	16.4	3.5	-5.31	-3.92	-1.39
1974	14.7	12.4	2.3	-5.20	-3.91	-1.29
1975	20.2	18.2	2.2	5.81	6.06	-.25
1976 - Jan	20.7	18.6	2.0	.35	.35	--
Feb	21.4	19.4	2.0	.79	.84	-.05
Mar	21.7	19.6	2.2	.33	.16	.17
Apr	21.9	19.6	2.2	.12	.04	.08
May	22.4	20.1	2.3	.50	.46	.04
Jun	22.9	20.7	2.2	.57	.59	-.02
Jul	23.2	21.0	2.3	.30	.27	.03
Aug	23.6	21.3	2.3	.40	.35	.05
Sep	24.5	21.9	2.6	.89	.62	.27
Oct	25.7	23.1	2.6	1.21	1.21	--
Nov	27.0	24.3	2.7	1.35	1.24	.11
Dec	27.7	25.0	2.8	.76	.70	.06
1977 - Jan	28.2	25.4	2.8	.45	.38	.07
Feb	28.6	25.6	3.0	.43	.23	.20
Mar	29.7	26.5	3.2	1.07	.90	.17
Apr	30.2	27.0	3.2	.49	.49	--
May	30.6	27.3	3.3	.37	.30	.07
Jun	31.9	28.1	3.8	1.33	.80	.53
Jul	32.4	28.7	3.8	.54	.57	-.03
Aug	33.9	30.0	3.9	1.50	1.32	.18
Sep	35.2	31.0	4.1	1.24	1.07	.17
Oct	37.3	32.8	4.5	1.95	1.78	.37
Nov	38.7	34.0	4.7	1.41	1.18	.23
Dec	39.0	34.3	4.6	.24	.34	-.10
1978 - Jan	38.6	34.2	4.4	-.35	-.11	-.24
Feb	37.6	33.3	4.3	-1.05	-.96	-.09
Mar	37.0	32.8	4.2	-.45	-.51	-.06
Apr	36.3	32.0	4.2	-.74	-.70	-.04
May	35.8	31.5	4.3	-.50	-.55	.05
June	35.9	31.3	4.6	.10	-.24	.34
July		31.2			-.10	

## NOTES:

Based on data from Federal Home Loan Bank Board and Savings Banks Association of New York State. Both series include a minor amount of non-residential commitments; S&L commitments also include loans in process. Net changes are derived directly from unrounded end-of-period outstanding levels as reported and after seasonal adjustment by Federal Reserve. Subtotals may not add to totals because of rounding.

# NET NEW MONEY BORROWINGS BY MAJOR HOUSING AGENCIES

IN MILLIONS OF DOLLARS

PERIOD	TOTAL INCLUDING SHORT-TERM DISCOUNT NOTES	INTERMEDIATE AND LONG-TERM ISSUES				FNMA & FHLB SHORT-TERM DISCOUNT NOTES <sup>1</sup>
		TOTAL	FHLB	FHLMC	FNMA	
1975 - July	+236	+300	0	0	+300	-64
Aug.	-398	-700	-700	0	0	302
Sept.	215	100	0	0	100	115
Oct.	587	850	+150	0	700	-263
Nov.	152	200	0	200	0	-48
Dec.	669	600	0	0	600	69
1976 - Jan.	-197	0	0	0	0	-197
Feb.	-964	-604	-1,100	196	300	-360
Mar.	-851	-304	0	-4	-300	-547
Apr.	124	693	0	-7	700	-569
May	-953	-607	-600	-7	0	-346
June	-107	-206	0	-6	-200	99
July	-58	291	0	-9	300	-349
Aug.	787	+190	0	+190	0	597
Sept.	195	190	0	-10	200	5
Oct.	-37	310	0	-8	318	-347
Nov.	-552	-297	-300	-9	12	-255
Dec.	145	-219	0	-7	-212	364
1977 - Jan.	12	188	0	-189	-1	-176
Feb.	-862	-592	-200	-393	1	-270
Mar.	289	-354	0	-4	-350	643
Apr.	344	746	-6	0	752	-402
May	532	297	105	200	-8	235
June	605	203	0	3	200	402
July	531	553	0	-47	600	-22
Aug.	347	301	304	-3	0	46
Sept.	195	-291	0	9	-300	486
Oct.	247	211	0	11	200	-36
Nov.	466	500	300	200	0	-34
Dec.	1,078	0	0	0	0	1,078
1978 - Jan.	399	-12	0	-12	0	411
Feb.	1,712	1,388	1,400	-12	0	324
Mar.	887	-17	0	-17	0	904
April	848	600	0	0	600	248
May	3,091	1,483	1,500	-17	0	1,608
June	1,492	1,276	0	276	1000	216
July <sup>e</sup>	1,624	1,900	700	0	1200	-276

**NOTES:**

Based on data from Treasury Survey of Ownership.

Digitized by Fraser for Sales of FHLB discount notes began in May 1974.

Table 12

# NET CHANGE IN MORTGAGE HOLDINGS

IN MILLIONS OF DOLLARS

PERIOD	TOTAL INCLUDING FNMA-GNMA	FINANCIAL INSTITUTIONS					FNMA-GNMA
		TOTAL	COMMERCIAL BANKS	MSB's	S & L's	INSURANCE COMPANIES	
1970	21,930	17,020	2,462	1,956	10,254	2,348	4,910
1971	41,406	39,018	9,940	3,938	23,919	1,221	2,388
1972	57,587	55,561	16,800	5,377	31,932	1,452	2,026
1973	58,372	55,072	19,600	5,642	25,552	4,278	3,300
1974	42,739	36,517	11,700	2,172	17,567	5,078	6,222
1975	43,497	38,658	4,200	2,236	29,289	2,933	4,839
1976	62,783	64,903	13,900	4,074	44,515	2,414	-2,120
1977	96,814	95,924	25,400	6,474	58,566	5,184	890
<u>Not Seasonally Adjusted</u>							
1977 - Oct	8,449	8,480	2,300	690	4,876	614	-31
Nov	8,640	8,544	2,800	564	4,754	426	96
Dec	9,896	9,674	2,500	771	4,748	1,655	222
1978 - Jan	5,557	5,237	1,400	412	3,019	406	320
Feb	6,155	5,657	1,600	344	3,409	304	498
Mar	8,749	8,276	2,400	553	4,835	488	473
Apr	9,304	8,696	2,500	486	4,856	854	608
May	10,307	9,063	3,100	569	5,021	373	1,244
June	11,107	10,334	3,200	621	5,663	850	773
July					3,999		
<u>Seasonally Adjusted</u>							
1977 - Oct	8,633	8,725	2,365	675	5,162	523	-92
Nov	9,522	9,429	2,984	605	5,437	403	93
Dec	9,992	9,917	2,751	647	5,262	1,257	75
1978 - Jan	7,588	7,209	1,788	572	4,305	544	379
Feb	7,542	6,942	2,009	515	4,041	377	600
Mar	8,921	8,361	2,329	587	4,830	615	560
Apr	8,495	7,748	2,149	482	4,300	817	747
May	9,413	7,958	2,893	563	3,993	509	1,455
June	9,706	8,737	2,833	434	4,619	851	969
July					3,638		

**NOTES:**

1 Monthly data for commercial banks based on Federal Reserve estimates benchmarked to Call Report data on real estate loans outstanding as available. Other data derived from mortgage debt outstanding as reported separately by National Assn. of Mutual Savings Banks, Federal Home Loan Bank Board, Institute of Life Insurance and, through August 1968, the Federal National Mortgage Association, and thereafter by FNMA and the Government National Mortgage Association. Data for mutual savings banks and for Life Insurance companies may differ somewhat from those derived from regular quarterly series because of minor conceptual differences for which adjustments are not made in the monthly series. Altogether, these groups accounted for 83 per cent of the net increase estimated for all holders in 1974.

Table 13

# NET INCREASE IN MORTGAGE DEBT OUTSTANDING<sup>1</sup>

IN BILLIONS OF DOLLARS, SEASONALLY ADJUSTED ANNUAL RATES

QUARTER	TOTAL <sup>2</sup>	RESIDENTIAL <sup>3</sup>			COMMERCIAL	MULTIFAMILY & COMMERCIAL	FARM
		TOTAL	1- to 4- FAMILY	MULTI- FAMILY			
1971 - I	41.2	32.7	23.2	9.5	6.7	16.2	1.7
II	51.8	40.3	29.6	10.7	9.3	20.0	2.1
III	57.8	43.1	33.8	9.3	12.1	21.4	2.6
IV	59.5	44.7	35.7	9.1	11.6	20.7	3.1
1972 - I	67.6	49.3	38.0	11.3	14.8	26.1	3.5
II	74.1	54.1	41.0	13.1	16.5	29.6	3.5
III	77.6	59.1	48.1	11.0	14.9	25.9	3.6
IV	88.1	63.6	47.9	15.7	21.0	36.7	3.6
1973 - I	80.6	56.0	47.8	8.2	19.1	27.3	5.6
II	87.4	59.9	46.9	13.0	21.7	34.7	5.8
III	80.7	56.2	43.7	12.5	19.4	31.9	5.0
IV	70.4	48.5	40.6	7.9	16.4	24.3	5.5
1974 - I	69.9	48.7	39.2	9.5	17.5	27.0	3.6
II	70.9	47.2	40.3	6.9	18.7	25.6	4.9
III	54.5	35.1	28.4	6.7	13.6	20.3	5.8
IV	46.7	29.7	25.4	4.3	11.2	15.5	5.9
1975 - I	44.0	29.7	28.9	0.8	9.0	9.8	5.3
II	55.0	39.8	39.8	0.0	10.3	10.3	4.9
III	62.3	45.3	44.9	0.4	12.9	13.3	4.0
IV	67.7	50.8	51.9	-1.1	12.8	11.7	4.1
1976 - I	78.6	59.7	58.3	1.4	13.7	15.0	5.3
II	77.1	57.8	58.0	-0.1	14.5	14.4	4.8
III	94.0	73.8	70.0	3.8	13.4	17.2	6.9
IV	98.5	78.0	75.5	2.5	13.0	15.5	7.6
1977 - I	105.3	82.0	77.9	4.1	14.5	23.3	8.8
II	136.4	113.1	104.6	8.5	14.0	23.3	9.3
III	142.1	115.1	108.2	6.9	18.5	27.0	8.5
IV	152.1	116.8	107.2	9.6	26.5	35.3	8.8
1978 - I	131.4	99.3	89.0	10.3	22.4	33.0	9.7
II (p)	136.5	103.3	93.0	10.3	23.4	33.9	9.8

**NOTES:**

<sup>1</sup> Derived from data on mortgage debt outstanding from Federal Deposit Insurance Corporation, Federal Home Loan Bank Board, Institute of Life Insurance, National Association of Mutual Savings Banks, Departments of Commerce and Agriculture, Federal National Mortgage Association, Federal Housing Administration, Veterans Administration and Comptroller of the Currency. Separation of nonfarm mortgage debt by type of property, where not available, and interpolations and extrapolations, where required, estimated mainly by Federal Reserve.

<sup>2</sup> Residential mortgage debt includes nonfarm only and is sum of 1-to 4-family and multifamily mortgage debt.



Table 14

# PRIVATE HOUSING PERMITS, STARTS, COMPLETIONS, AND MOBILE HOME SHIPMENTS

IN THOUSANDS OF UNITS, SEASONALLY ADJUSTED ANNUAL RATES

PERIOD	PERMITS <sup>1</sup>			STARTS			COMPLETIONS			MOBILE HOME SHIPMENTS
	TOTAL	1-FAMILY	2-OR MORE FAMILY	TOTAL	1-FAMILY	2-OR MORE FAMILY	TOTAL	1-FAMILY	2-OR MORE FAMILY	
1969	1,324	626	698	1,407	811	656	1,399	808	592	413
1970	1,352	647	705	1,434	813	621	1,418	802	617	401
1971	1,925	906	1,018	2,052	1,151	901	1,706	1,014	692	497
1972	2,219	1,033	1,186	2,357	1,309	1,048	1,972	1,143	828	576
1973	1,820	882	937	2,045	1,132	914	2,014	1,174	840	567
1974	1,074	644	431	1,338	888	450	1,692	932	760	329
1975	939	676	264	1,160	892	268	1,297	867	430	216
1976	1,297	894	403	1,538	1,162	376	1,362	1,026	336	246
1977	1,677	1,125	552	1,987	1,451	375	1,652	1,254	398	277
1977 - July	1,639	1,089	550	2,072	1,453	619	1,671	1,253	419	251
Aug.	1,772	1,156	616	2,038	1,454	584	1,677	1,269	409	270
Sept.	1,695	1,135	560	2,012	1,508	504	1,875	1,458	417	300
Oct.	1,850	1,216	634	2,139	1,532	607	1,665	1,249	416	319
Nov.	1,893	1,257	636	2,096	1,544	552	1,769	1,280	489	318
Dec.	1,811	1,210	601	2,203	1,574	629	1,641	1,299	342	324
1978 - Jan.	1,526	1,032	494	1,548	1,156	392	1,759	1,300	459	322
Feb.	1,534	957	577	1,569	1,103	466	1,696	1,233	463	269
Mar.	1,647	1,037	610	2,047	1,429	618	1,821	1,363	458	247
Apr.	1,740	1,157	583	2,165	1,492	673	1,943	1,515	428	252
May	1,597	1,058	539	2,054	1,478	576	1,840	1,409	431	247
June	1,821	1,123	698	2,124	1,445	679	1,893	1,338	555	246
July	1,616	1,017	599	2,085	1,416	669				252

## NOTES:

Private building permits (for 14,000 areas with permit systems, excluding farm), starts, and completions are Census Bureau data. A dwelling unit is started when excavation begins. In the case of apartment buildings, all units are considered started at that time; however, all such units are considered completed when more than half of the units in the structure are ready for use. Private mobile home shipments are Mobile Home Manufacturers Association data converted to seasonally adjusted annual rate by Census Bureau.

<sup>1</sup> Permit data for 1969 and 1970 based on 13,000 areas with permit systems.

Table 15

# AVERAGE RATES AND YIELDS ON HOME MORTGAGES

26

PERIOD	CONVENTIONAL LOANS PRIMARY MARKET				HUD(FHA) INSURED LOANS SECONDARY MARKET			SPREAD BETWEEN RETURNS ON CONVENTIONAL AND HUD(FHA) NEW HOME MORTGAGES (BASIS POINTS)	NEW Aaa UTILITY BOND YIELD (IN PER CENT)
	NEW HOMES		EXISTING HOMES		NEW HOMES				
	RATE (IN PER CENT)	SPREAD (BASIS POINTS)	RATE (IN PER CENT)	SPREAD (BASIS POINTS)	YIELD (IN PER CENT)	SPREAD (BASIS POINTS)	DISCOUNT (PERCENTAGE POINTS)		
1976 - High	9.05	91	9.10	95	9.06	59	4.3	65	8.72
Low	8.90	5	8.95	10	8.25	8	2.0	-4	8.05
1977 - High	9.10	99	9.20	98	9.11	73	4.7	40	8.31
Low	8.80	52	8.85	63	8.40	22	1.7	4	8.01
1977 - July	9.00	83	9.05	88	8.74	57	1.9	26	8.17
Aug.	9.00	99	9.05	104	8.74	73	1.9	26	8.01
Sept.	9.00	86	9.05	91	8.72	58	1.7	28	8.14
Oct.	9.00	72	9.05	77	8.78	50	2.2	22	8.28
Nov.	9.05	82	9.05	82	8.78	55	2.2	27	8.23
Dec.	9.10	N.A.	9.10	N.A.	8.91	N.A.	3.2	19	N.A.
1978 - Jan.	9.15	N.A.	9.20	N.A.	9.11	N.A.	4.7	4	N.A.
Feb.	9.25	54	9.25	54	N.A.	N.A.	N.A.	N.A.	8.71
Mar.	9.30	47	9.30	47	9.29	46	4.1	1	8.83
Apr.	9.40	48	9.45	53	9.37	45	4.7	3	8.92
May	9.60	58	9.60	58	9.67	65	5.0	-7	9.02
June	9.75	59	9.75	59	N.A.	N.A.	N.A.	N.A.	9.16
July	9.80	72	9.80	72	9.92	84	3.1	12	9.08

**NOTES:**

<sup>1</sup> Gross yield spread is average mortgage return before deducting servicing costs, minus average yield on new issues of high-grade utility bonds with 5-year call protection.

Rates on conventional first mortgages (excluding additional fees and charges) are based on unweighted HUD (FHA) field office opinions on prevailing contract interest rates in the market areas of the insuring offices, rounded to the nearest 5 basis points. For secondary market data, weighted HUD office opinions on the average bid price for HUD (FHA) loans with minimum down-payment, prepaid in 15 years, for immediate delivery, are used.

Table 16  
**FNMA AUCTION RESULTS**  
**HOME MORTGAGE COMMITMENTS**

DATE OF AUCTION	GOVERNMENT-UNDERWRITTEN			CONVENTIONAL		
	AMOUNT (IN MILLIONS OF DOLLARS)		AVERAGE YIELD	AMOUNT (IN MILLIONS OF DOLLARS)		AVERAGE YIELD
	OFFERED	ACCEPTED		OFFERED	ACCEPTED	
1977 - High	855 (12/27)	570(12/27)	8.98(12/27)	383 (5/2)	278 (5/2)	9.21 (12/27)
Low	50 (9/7)	35 (9/7)	8.46 (1/10)	123 (7/25)	71 (9/19)	8.81 (1/10)
1977 - Oct. 3	131.3	82.2	8.77	187.3	137.2	9.07
17	325.8	212.6	8.84	242.7	167.8	9.11
31	156.1	105.7	8.86	328.1	224.0	9.14
Nov. 14	110.6	69.5	8.86	308.6	202.8	9.16
28	99.8	83.2	8.85	229.0	183.5	9.16
Dec. 13	329.1	224.3	8.89	262.2	168.9	9.17
27	855.4	569.7	8.98	329.4	190.5	9.21
1978 - Jan. 9	1011.0	605.3	9.13	403.6	192.8	9.28
23	768.8	356.6	9.21	546.3	256.8	9.37
Feb. 6	640.9	338.0	9.27	633.6	299.3	9.45
21	558.2	285.5	9.35	580.5	266.7	9.53
Mar. 6	358.8	218.5	9.36	444.8	266.4	9.59
20	164.9	116.4	9.33	378.7	246.1	9.62
Apr. 3	625.5	363.7	9.44	522.8	295.3	9.69
17	283.8	165.5	9.44	451.4	282.8	9.74
May 1	655.1	349.9	9.52	645.8	305.4	9.80
15	611.4	269.9	9.63	716.9	362.5	9.89
30	851.2	446.9	9.83	573.1	300.4	10.01
June 12	522.0	285.2	9.86	350.1	207.0	10.07
26	573.0	351.4	9.96	224.4	135.0	10.13
July 10	503.3	327.4	10.02	169.8	90.5	10.17
24	253.4	144.1	10.00	146.2	88.4	10.21
Aug 7	130.3	80.1	9.82	74.7	47.5	10.15
21	368.8	197.1	9.80	150.0	81.0	10.07

**NOTES:**

Average secondary market yields are gross before deduction of the fee of 38 basis points paid for mortgage servicing. They reflect the average accepted bid yield for home mortgages assuming a prepayment period of 12 years for 30-year loans, without special adjustment for Federal National Mortgage Association (FNMA) commitment fees and FNMA stock purchase and holding requirements on 4-month commitments. Mortgage amounts offered by bidders relate to total eligible bids received.