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# Capital Market Developments

FEDERAL RESERVE BANK  
ST. LOUIS CITY

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Prepared by  
the Capital Markets Section  
in conjunction with  
the Mortgage and Consumer Finance Section  
and the Government Finance Section

Division of Research and Statistics

Board of Governors of the Federal Reserve System  
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## SYMBOLS

- e estimate  
p preliminary  
r revised  
n.a. not available  
— data do not exist

## SUBSCRIPTION RATES

Weekly \$15.00 per year or \$.40 each in the United States, its possessions, Canada, and Mexico; 10 or more of the same issue to one address, \$13.50 per year or \$.35 each. Elsewhere, \$20.00 per year or \$.50 each. Address requests to Publications Services, Division of Support Services, and make payment remittance payable to the order of the Board of Governors of the Federal Reserve System in a form collectible at par in U.S. Currency.

## 1. YIELDS, VOLUME AND RECEPTION

## Corporate Bond Market

Week ending	Yields		Volume		
	New issue Aaa utility <sup>1</sup>	Recently offered Aaa utility <sup>2</sup>	Gross offerings <sup>3</sup> (\$ millions)	Percent sold by end of week	New issues in syndicate <sup>4</sup> (\$ millions)
1980-Nov. 7	--	13.97	5	100	0
14	--	13.72	510	87	68
21	13.85	13.91	510	100	0
28	--	14.02	252	100	0
Dec. 5	--	14.16	647	99	9
12	14.51	15.03	630	99	4
19	--	14.25	257	98	4
26	--	14.20	50	100	0
1981-Jan. 2	--	14.15	100	100	0
9	14.05	14.10	828	97	25
16	14.07	14.17	759	98	16
23	14.29	14.33	414	100	0
30	14.06	14.08	853	100	0
Feb. 6	--	14.30r	430	100	0
13	--	14.55p	708	97	23

## 2. YIELDS, VOLUME AND RECEPTION

## Municipal Bond Market

Week ending	Yields			Volume		
	Moody's new issue Aaa	Bond Buyer G.O. bond index	Bond Buyer Rev. bond index	Gross offerings (\$ millions)	Percent sold by end of week <sup>3</sup>	New issues in syndicate <sup>4</sup> (\$ millions)
1980-Nov. 7	9.05	9.64	10.43	226	86	31
14	8.60	9.50	10.39	209	86	28
21	8.60	9.50	10.38	1,379	92	146
28	8.60	9.61	10.51	549	96	22
Dec. 5	9.20	9.84	10.94	201	93	77
12	9.40	10.42	11.30	951	93	113
19	9.80	10.56	11.41	852	98	65
26	9.80	9.99	10.96	512	99	23
1981-Jan. 2	9.00	9.76	10.81	287	98	23
9	8.80	9.49	10.41	419	71	127
16	8.80	9.57	10.34	423	94	56
23	9.00	9.68	10.72	518	94	65
30	9.30	9.91	11.07	859	93	69
Feb. 6	9.30	9.90	10.84	391	87	61
13	9.40	9.99	11.06	715	94	70

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 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.

## 3. 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. gov't. 20-year constant maturity <sup>4</sup>	Bond Buyer G.O. bond index <sup>5</sup>	Bond Buyer Rev. bond index <sup>6</sup>
1978-High	9.30(11/10)	9.54(12/22)	9.27(12/29)	9.00(12/22)	6.67(12/22)	--
Low	8.61(3/24)	8.48(1/6)	8.30(1/6)	8.01(1/6)	5.58(3/17)	--
1979-High	11.51(11/12)	11.45(11/9)	10.87(12/28)	10.56(11/9)	7.38(10/26)	8.24(11/23)
Low	9.40(8/17)	9.39(6/29)	9.16(7/6)	8.79(7/6)	6.08(7/6)	7.23(9/21)
1980-High	14.51(12/12)	15.03(12/12)	13.49(12/19)	12.86(12/12)	10.56(12/19)	11.41(1/30)
Low	10.53(6/20)	10.79(6/20)	10.34(6/20)	9.59(6/20)	7.11(5/9)	8.15(5/8)
1981-High	14.29(1/23)	14.55(2/13)	13.35(2/13)	13.07(2/13)	9.99(2/13)	11.07(1/30)
Low	14.05(1/9)	14.08(1/30)	12.59(1/9)	11.98(1/9)	9.49(1/9)	10.34(1/16)
1980-Jan.	11.73	11.77	11.09	10.65	7.35	8.21
Feb.	13.57	13.35	12.38	12.21	8.16	8.91
Mar.	14.00	13.90	12.96	12.49	9.17	9.95
Apr.	12.90	12.91	12.04	11.42	8.63	9.66
May	11.53	11.64	10.99	10.44	7.59	8.50
June	10.95	10.99	10.58	9.89	7.63	8.47
July	11.60	11.41	11.07	10.32	8.13	8.87
Aug.	12.32	12.31	11.64	11.07	8.67	9.57
Sept.	12.74	12.72	12.02	11.47	8.94	9.84
Oct.	13.18	13.13	12.31	11.75	9.11	9.97
Nov.	13.85	13.91	12.97	12.44	9.56	10.43
Dec.	14.51	14.38	13.21	12.49	10.11	11.08
1981-Jan.	14.12	14.17	12.81	12.29	9.66	10.64
1980-Dec. 5	--	14.16	13.15	12.48	9.84	10.94
12	14.51	15.03	13.47	12.86	10.42	11.30
19	--	14.25	13.49	12.81	10.56	11.41
26	--	14.20	12.89	11.99	9.99	10.96
1981-Jan. 2	--	14.15	12.83	12.05	9.76	10.81
9	14.05	14.10	12.59	11.98	9.49	10.41
16	14.07	14.17	12.76	12.27	9.57	10.34
23	14.29	14.33	12.91	12.48	9.68	10.72
30	14.06	14.08	12.98	12.48	9.91	11.07
Feb. 6	--	14.30r	13.07r	12.72r	9.90	10.84
13	--	14.55p	13.35p	13.07p	9.99	11.06

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 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 general obligation bonds used in this index falls midway between the five top groups as classified by Moody's Investors Service. *Weekly Bond Buyer* data.

6 Thursday figures. The average rating of the 25 revenue bonds used in this index falls midway between the five top groups as classified by Moody's Investors Service. *Weekly Bond Buyer* data.

#### 4. LONG-TERM CORPORATE AND STATE AND LOCAL GOVERNMENT SECURITY OFFERINGS AND PLACEMENTS

Gross proceeds, millions of dollars

Period	Corporate <sup>1</sup>			State and Local <sup>2</sup>		
	1979	1980	1981	1979	1980	1981
January	3,770	6,210	5,175e	2,840	3,057	2,700e
February	3,165	4,452		2,603	2,400	
March	4,354	4,353		4,644	2,430	
April	4,692	5,677		3,444	4,946	
May	4,160	9,067		3,042	4,708	
June	6,238	9,511		4,724	6,061	
July	4,103	7,941		3,396	4,900	
August	4,162	5,371		4,256	3,799	
September	4,587	4,922		2,472	4,246	
October	4,601	5,728r		4,217	4,408	
November	3,831	3,827		4,160	3,000e	
December	3,801	5,150e		3,567	3,400e	
Year	51,464	72,209e		43,365	47,355e	

1 Securities and Exchange Commission estimates of gross proceeds.

2 Public Securities Association estimates of principal amounts.

#### 5. TREASURY AND GOVERNMENT-SPONSORED AGENCY BORROWING

Millions of dollars

Period	Federal Government								Sponsored agency borrowing <sup>4</sup>	
	Combined deficit(+) or surplus(-) <sup>1</sup>	Means of financing combined deficit								
		Net cash borrowing from the public <sup>2</sup>					Gov't. agency securities	Other		Decrease(+)/increase(-) in cash operating balance
		Total <sup>3</sup>	Public debt securities			Non-marketable				
Bills	Coupons									
CY <sup>5</sup> / -1978	52,870	53,683	706	31,777	22,644	-1,431	3,206	-4,019	23,509	
CY -1979	41,397	37,360	10,899	28,041	-397	-1,402	1,115	366	23,631	
1980--Jan.	5,170	5,201	2,878	2,050	278	-27	647	-678	2,261	
Feb.	10,458	2,066	1,900	3,307	-3,149	-40	2,478	5,914	1,542	
Mar.	15,350	11,802	13,358	3,517	-5,066	-19	1,013	2,535	4,764	
Apr.	-8,037	4,632	4,515	2,899	-2,602	-86	-2,393	-10,276	3,632	
May	16,318	5,350	91	6,077	-941	-32	3,200	7,768	1,957	
June	-11,963	-4,615	-10,703	6,835	-685	-101	-3,918	-3,430	-529	
July	16,384	9,737	6,807	2,602	456	-76	2,986	3,661	575	
Aug.	8,347	11,111	7,815	3,245	219	-28	-701	-2,063	-835	
Sept.	-4,434	6,260	526	7,026	-1,407	-36	-2,199	-8,495	2,432	
Oct.	17,146	4,758	2,477	2,422	-63	-23	4,076	8,312	5,116	
Nov.	10,698	9,231	6,412	3,219	-315	-30	-3,985	5,452		
Dec.	7,869									

1 U.S. unified budget deficit or surplus plus off-budget entities deficit or surplus.

2 Change in outstanding amount of public debt securities and government agency securities less change in holdings of those securities by government accounts.

3 Also includes changes in matured and noninterest-bearing public debt.

4 Change in outstanding amount of marketable securities issued by Federal Farm Credit Banks, Federal Home Loan Banks, Federal Home Loan Mortgage Corporation, Federal National Mortgage Association.

5 CY= Calendar Year

## 6. NEW CORPORATE SECURITY ISSUES BY TYPE OF ISSUE

Gross proceeds, millions of dollars

Period	Total	Bonds		Common and preferred stocks	Memo	
		Publicly offered	Privately placed		Issues included	
					Foreign	Convertible
1977	53,792	24,072	17,943	11,777	1,340	863
1978	47,230	19,815	17,057	10,358	1,349	418
1979	51,464	25,814	14,325	11,325	1,008	2,229
1980-QI	15,015	5,861	4,600	4,554	169	908
QII	24,255	18,186	2,072	3,997	529	967
QIII	18,234	11,618	1,909	4,707	631	1,510
1980-Jan.	6,210	2,450	2,384	1,376	47	32
Feb.	4,452	1,426	1,430	1,596	122	76
Mar.	4,353	1,985	786	1,582	0	800
Apr.	5,677	3,828	947	902	89	383
May	9,067	6,810	525	1,732	432	375
June	9,511	7,548	600	1,363	8	209
July	7,941	5,354	1,213	1,374	100	208
Aug.	5,371	3,843	304	1,224	191	805
Sept.	4,922	2,421	392	2,109	340	497
Oct. <sup>r</sup>	5,728	2,756	519	2,453	348	687
Nov.	3,827	1,405	650	1,772	n.a.	398

## 7. NEW CORPORATE SECURITY ISSUES BY TYPE OF ISSUER

Gross proceeds, millions of dollars

Period	Manufacturing	Public utility	Communications	Other issuers <sup>1</sup>
1977	13,393	14,127	4,442	21,827
1978	10,813	12,232	3,640	20,549
1979	11,346	13,289	4,522	22,309
1980-QI	3,907	4,966	1,278	4,864
QII	6,838	4,135	2,182	11,101
QIII	5,819	3,652	1,936	6,823
1980-Jan.	1,276	1,873	483	2,578
Feb.	1,340	1,262	572	1,276
Mar.	1,291	1,831	223	1,010
Apr.	1,778	891	651	2,358
May	2,615	1,338	1,196	3,917
June	2,445	1,906	335	4,826
July	3,016	1,030	787	3,106
Aug.	1,792	1,434	626	1,519
Sept.	1,011	1,188	523	2,198
Oct. <sup>r</sup>	1,462	1,280	858	2,128
Nov.	506	792	276	2,254

<sup>1</sup> Other issuers are extractive, railroad and other transportation, real estate and finance, and commercial and other.  
Source: Securities and Exchange Commission and Federal Reserve Board.

8. PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: CORPORATE<sup>1</sup>

Issuer	Date	Type	Amount (millions of dollars)	Maturity	Coupon rate	Offering yield	Moody's/S&P's ratings
Houston Lighting & Power Co. Public Service Co. of New Hampshire	2/3	1st. mtg.	125.0	1991	13.88	14.04	A/AA
Volt Information Services Inc.	2/4	Com. stk.	33.0	--	--	--	--/--
Hospital Corp. of America	2/4	Conv.debt.	30.0	2001	12.13	12.63	B/B
Pfizer Inc.	2/5	Conv.debt.	125.0	2006	8.75	8.75	Baa/A
U.S. Air, Inc.	2/6	Conv.debt.	150.0	2006	8.75	8.75	A/A
Boeing Co.	2/10	Com. stk.	36.0	--	--	--	--/--
Barclays American Corp.	2/10	Conv.debt.	250.0	2006	8.88	8.88	A/AA-
A.G. Edwards & Sons. Inc.	2/11	Notes	75.0	1988	14.75	14.80	A/A
Union Electric Co.	2/11	Conv.debt.	25.0	2006	10.50	10.50	Baa/BBB
Citicorp	2/11	Notes	150.0	1991	15.38	15.45	Baa/BBB
Intermedics Inc.	2/11	Notes	150.0	1986	14.38	14.38	Aaa/AAA
Tandon Inc.	2/11	Com. stk.	27.6	--	--	--	--/--
Tandon Inc.	2/11	Com. stk.	30.4	--	--	--	--/--
<u>OTHER</u>							
Hudson's Bay Oil & Gas Co., Ltd.	2/3	Debt.	125.0	2006	14.75	14.90	A/AA

\* Rights offering.

<sup>1</sup> Includes only corporate and other security offerings of \$25 million and over; excludes options, exchanges, and secondary offerings.

9. PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: STATE AND LOCAL<sup>1</sup>

Issuer	Date	Type <sup>2</sup>	Amount (millions of \$)	Maturity	Net interest cost	Offering yield	Moody's/S&P's ratings
Maryland, State of	2/4	G.O.	149.1	1984-1991	8.19	7.20-8.25	Aaa/AAA
Idaho Health Fac. Auth.	2/4	Rev.	2.5	1984-1994	n.a.	8.00-10.00	--/AAA
Idaho Health Fac. Auth.	2/4	Rev.	3.8	2000	n.a.	10.50	--/AAA
Idaho Health Fac. Auth.	2/4	Rev.	20.4	2013	n.a.	10.75	--/AAA
Columbus, OH	2/5	G.O.	35.3	1983-2005	9.84	7.20-10.25	Aa/AA
Palm Beach Co., FL	2/5	Ran's	29.7	1983	n.a.	8.25	MIG-2
Lansing Hosp. Fin. Auth., MI	2/6	Rev.	8.1	1984-1995	12.01	8.30-11.00	A/A
Lansing Hosp. Fin. Auth., MI	2/6	Rev.	5.6	1999	12.01	11.70	A/A
Lansing Hosp. Fin. Auth., MI	2/6	Rev.	44.0	2011	12.01	12.00	A/A
Dauphin Co. Hosp. Auth., PA	2/6	Rev.	3.2	1985-1995	n.a.	8.50-11.25	--/A-
Dauphin Co. Hosp. Auth., PA	2/6	Rev.	2.1	1998	n.a.	11.75	--/A-
Dauphin Co. Hosp. Auth., PA	2/6	Rev.	38.6	2014	n.a.	12.25	--/A-
Brevard Hsg. Fin. Auth., FL	2/10	Rev.	3.6	1982-1985	n.a.	7.75-8.50	--/AA-
Brevard Hsg. Fin. Auth., FL	2/10	Rev.	146.5	2013	n.a.	9.00	--/AA-
New York State Hsg. Fin. Agcy.	2/10	Rev.	45.8	1981-2011	11.05	7.50-10.60	A/AA-
Seattle, Washington	2/10	Rev.	49.0	1982-1997	9.26	7.20-9.40	Aa/AA
Washington Pub. Power Supply Syst.	2/11	Rev.	64.4	1987-2001	10.80	8.50-10.75	Aaa/AAA
Washington Public Power Supply Syst.	2/11	Rev.	40.5	2005	10.80	11.13	Aaa/AAA
Washington Public Power Supply Syst.	2/11	Rev.	80.3	2010	10.80	11.18	Aaa/AAA
Washington Public Power Supply Syst.	2/11	Rev.	19.0	2017	10.80	11.18	Aaa/AAA
Washington Public Power Supply Syst.	2/11	Rev.	20.8	2018	10.80	11.18	Aaa/AAA
Michigan State Hsg. Dev. Auth.	2/12	Rev.	5.1	1983-1994	11.53	7.75-10.30	A1/A+
Michigan State Hsg. Dev. Auth.	2/12	Rev.	44.9	2013	11.53	11.50	A1/A+
Escambia Co. Health Fac. Auth. FL	2/12	Rev.	6.8	1986-1997	11.93	8.50-11.00	A/A
Escambia Co. Health Fac. Auth. FL	2/12	Rev.	4.0	2001	11.93	11.50	A/A
Escambia Co. Health Fac. Auth. FL	2/12	Rev.	23.1	2011	11.93	12.00	A/A
Marion Co. Hosp. Auth., IN	2/13	Rev.	22.7	2011	n.a.	11.71	A1/A+
Marion Co. Hosp. Auth., IN	2/13	Rev.	12.9	1983-1995	n.a.	7.50-10.25	A1/A+
Massachusetts Health & Ed. Fac. Auth.	2/13	Rev.	4.2	1984-1996	11.54	8.00-11.00	A/A
Massachusetts Health & Ed. Fac. Auth.	2/13	Rev.	2.5	2000	11.54	11.50	A/A
Massachusetts Health & Ed. Fac. Auth.	2/13	Rev.	19.9	2011	11.54	11.88	A/A
Massachusetts Health & Ed. Fac. Auth.	2/13	Rev.	6.7	2013	11.54	11.75	A/A

1 Includes only state and local security offerings of \$25 million and over; excludes secondary offerings.

2 For state and local government securities, G.O. denotes general obligation; Rev. denotes revenue obligations.

3 Canadian interest cost.



## 10. PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: U.S. TREASURY

Notes and Bonds

Offering date	Payment date	Length	Maturity date	Coupon rate (percent)	Auction average (percent)	Amount (millions of dollars)				Memo: Foreign add-ons <sup>3</sup>
						Gross proceeds		Net proceeds		
						Total	Private <sup>1</sup>	Total	Private <sup>1,2</sup>	
<b>1980</b>										
Nov. 5	11/17	3-yr 6-mo	5/15/84	13-1/4	13.31	4,315	3,815	2,815	2,815	0
6	11/17	10-yr	11/15/90	13	13.07	2,663	2,443			190
7	11/17	30-yr	11/15/05-10	12-3/4	12.81	2,160	2,001			0
25	12/1	2-yr	11/30/82	13-7/8	13.99	4,966	4,601	1,771	1,771	0
Dec. 3	12/8	5-yr 2-mo	2/15/86	13-1/2	13.52	3,188	<b>3,188</b>	3,188	3,188	170
16	12/31	2-yr	12/31/82	15-1/8	15.15	8,575	7,973	2,337	2,337	0
18	12/31	4-yr	12/31/84	14	14.03					63
30	1/5	7-yr	1/15/88	12-3/8	12.49	2,710	2,710	2,710	2,710	0
<b>1981</b>										
Jan. 6	1/12	20-yr 1-mo	2/15/01	11-3/4	11.82	1501	1501	1501	1501	0
21	2/2	2-yr	1/31/83	13-5/8	13.69	4964p	4503p	1818p	1818p	125
Feb. 3	2/17	3-yr 6-mo	8/15/84	13-1/4	13.37	4502	8502p	3339p	3339p	0
4	2/17	9-yr 9-mo	11/15/90	13	12.89	2900				130
5	2/17	29-yr 9-mo	11/15/10	12-3/4	12.68	2575				0

- 1 Excludes amounts sold to Government investment accounts and the Federal Reserve. Also excludes add-ons to foreign accounts.
- 2 May be larger than the total if the Government accounts and/or the Federal Reserve do not fully roll-over their maturing holdings.
- 3 Additional amounts of securities issued to foreign and international monetary authorities at the average auction price for new cash.

## 11. PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: GOVERNMENT-SPONSORED AGENCIES

Issuer	Offering date	Payment date	Length	Maturity date	Yield (percent)	Amount (millions of dollars)		
						Gross proceeds	Maturing issues	Net proceeds
FNMA	7/2	7/10	4-yr 11-mo	6/10/85	9.95	1,000	550	450
FFCB	7/9	7/21	3-yr 5-mo	12/01/83	9.30	841		
	7/9	7/21	6-yr 5-mo	12/01/86	10.00	1,002	1,175	1,268
	7/9	7/21	10-yr	7/23/90	10.40	600		
FNMA	7/25	8/1	3-yr	8/19/83	9.70	1,000	0	1,000
FHLB	8/13	8/25	4-yr 7-mo	3/25/85	10.80	1,200	1,600	200
	8/13	8/25	6-yr 7-mo	3/25/87	11.10	600		
FFCB	8/27	9/2	4-yr	9/04/84	11.75	486	0	486
FNMA	9/4	9/10	1-yr 4-mo	1/11/82	10.90	400	1,050	-650
FNMA	10/1	10/10	1-yr 8-mo	6/10/82	12.25	500	800	-300
FCB	10/8	10/20	2-yr 1-mo	12/01/82	11.60	786		
	10/8	10/20	4-yr 9-mo	7/22/85	11.60	434	975	849
	10/8	10/20	7-yr 9-mo	7/20/88	11.70	604		
FHLB	10/16	10/27	2-yr	10/25/82	11.85	1,200	200	1,600
	10/16	10/27	3-yr 4-mo	2/27/84	11.75	600		
FNMA	10/29	11/3	5-yr	11/12/85	13.00	750	0	750
FHLB	11/14	11/25	1-yr 9-mo	8/25/82	13.10	1,200	1,800	150
	11/14	11/25	4-yr 8-mo	7/25/85	12.80	750		
FFCB	11/26	12/1	2-yr 3-mo	9/1/83	13.75	521	0	521
FNMA	12/5	12/10	3-yr 1-mo	1/10/84	14.05	500	950	-450
FFCB	12/24/80	1/5/81	3-yr 8-mo	9/3/85	12.75	404	433	-29
	<u>1981</u>	<u>1981</u>						
FNMA	1/8	1/12	5-yr	1/10/86	13.00	1,000	0	1,000
FFCB	1/13	1/20	4-yr 1-mo	3/4/85	13.20	785	858	565
	1/13	1/20	8-yr	1/23/89	13.05	638		
FHLB	1/21	1/28	2-yr 6-mo	7/25/83	13.35	600	0	600

FFCB -- Federal Farm Credit Banks  
FHLB -- Federal Home Loan Banks  
FHLMC -- Federal Home Loan Mortgage Corporation  
FNMA -- Federal National Mortgage Association

12. FORTHCOMING PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: CORPORATE<sup>1</sup>

Issuer	Type	Amount (millions of dollars)	Approximate date of offering
General American Transp. Corp.	Equip. tr.	75.0	Feb. 17
Long Island Lighting Co.	1st. mtg.	100.0	Feb. 18
Steego Corp.	Debt.	25.0	Feb. 19
General Felt Industries	Debt.	55.0	Feb. 19
General Electric Credit Corp.	Notes	150.0	Feb. 19
General Electric Credit Corp.	Debt.	100.0	Feb. 19
Chrysler Corp.	Govt. gtd.	400.0	Feb. 19
*Manufacturers Hanover Corp.	Notes	100.0	Feb. 19
Ohio Power Co.	1st. mtg.	100.0	Feb. 25
*Kansas Gas & Elec. Co.	Pfd. stk.	30.0	Feb. 25
Union Carbide Corp.	Debt.	200.0	Feb.
Associates Corp. of N. America	Conv. debt.	100.0	Feb.
Avco Financial Services Inc.	Notes	100.0	Feb.
Chemical N.Y. Corporation	Pfd. stk.	100.0	Feb.
New England Power Co.	Pfd. stk.	50.0	Feb.
Appalachian Power Co.	Pfd. stk.	40.0	Feb.
New York State Elec. & Gas. Corp.	Pfd. stk.	30.0	Feb.
Detroit Edison Co.	Pfd. stk.	25.0	Feb.
*Interco Inc.	Notes	100.0	Feb.
Pacific Lighting Co.	1st. mtg.	70.0	Feb.
*Florida Power & Light Co.	1st. mtg.	125.0	Mar. 4
Georgia Power Co.	1st. mtg.	100.0	Mar. 11
*Niagara Mohawk Power Corp.	1st. mtg.	50.0	Mar.
*Indiana & Michigan Elect. Co.	1st. mtg.	120.0	Mar.
<u>OTHER</u>			
Denmark, Kingdom of	Notes	100.0	Feb.
United Mexican States	Bonds	500.0	Indef.
<u>WITHDRAWN</u>			
Kaneb Services Inc.	Conv. debt.	60.0	Feb. 12

\* Included in table for first time.

<sup>1</sup> Includes only corporate and other security issues of \$25 million and over; excludes exchanges, options, and secondary offerings.

13. FORTHCOMING PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: STATE AND LOCAL<sup>1</sup>

Issuer	Type	Amount (millions of dollars)	Approximate date of offering
Orange Co. Hsg. Fin. Auth., FL	Rev.	96.6	Feb. 16
Dade Co., FL	Rev.	88.0	Feb. 17
Phoenix, AZ	Rev.	27.0	Feb. 17
Baltimore Co., MD	G.O.	40.0	Feb. 18
Connecticut, State of	G.O.	125.0	Feb. 18
California Hsg. Fin. Agcy.	Rev.	36.3	Feb. 19
Sebring Util. Comm., FL	Rev.	90.0	Feb. 19
Harris Co., TX	G.O.	28.3	Feb. 19
Mason Co., W.V.	Rev.	46.5	Feb. 20
*New York, State of	G.O.	115.0	Feb. 23
Louisiana, State of	Rev.	140.0	Feb. 24
Ohio, Higher Ed. Fac.	Rev. & G.O.	45.0	Feb. 24
*Pueblo Co., CO	Rev.	105.0	Feb. 24
*Virginia Education Loan Auth.	Rev.	42.2	Feb. 24
Arlington, TX	Rev.	34.8	Feb. 24
Illinois, State of	G.O.	90.0	Feb. 24
Greater Orlando Aviation Auth., FL	Rev.	145.0	Feb. 26
Kentucky Turnpike Auth.	Rev.	150.0	Feb. 27
*Louisiana Pub. Fac. Auth.	Rev.	200.0	Mar. 2
Jacksonville Elect. Auth., FL	Rev.	90.0	Mar. 2
Jacksonville Co., OR	G.O.	35.0	Mar. 3
New Jersey, State of	G.O.	150.0	Mar. 3
Burbank Redev. Agcy., CA	Rev.	50.0	Mar. 10
*Platte River Power Auth., CO	Rev.	125.0	Mar. 26
*North Carolina Muni. Power Agcy.	Rev.	100.0	Apr. 2

\* Included in table for first time.

<sup>1</sup> Includes state and local government issues of \$25 million and over; excludes secondary offerings.

14. STOCK PRICES<sup>1</sup>

Date	NYSE Index <sup>3</sup>	DJ Industrials	AMEX <sup>4</sup>	NASDAQ <sup>5</sup>
1978-High	60.38 (9/12)	907.74 (9/8)	176.87 (9/15)	139.25 (9/13)
Low	48.37 (3/6)	742.12 (2/28)	119.73 (1/11)	99.09 (1/11)
1979-High	63.39 (10/5)	897.61 (10/5)	247.07 (12/31)	152.29 (10/5)
Low	53.88 (2/27)	796.67 (11/8)	152.03 (1/2)	117.84 (1/2)
1980-High	81.02 (11/28)	1000.17 (11/20)	370.75 (11/28)	208.15 (11/28)
Low	55.30 (3/27)	759.13 (4/21)	215.69 (3/27)	124.09 (3/27)
1981-High	79.14 (1/6)	1004.69 (1/6)	357.27 (1/5)	204.17 (1/5)
Low	72.67 (2/2)	932.25 (2/2)	334.03 (2/2)	193.09 (2/2)
1980-Dec. 5	77.16	956.23	355.17	203.02
12	74.16	917.15	333.48	191.22
19	76.86	937.20	347.58	197.91
26	78.28	966.38	354.22	201.28
1981-Jan. 2	78.26	972.78	355.60	203.55
9	76.44	968.69	339.93	197.66
16	77.33	973.29	347.94	201.13
23	74.72	940.19	341.36	197.52
30	74.27	947.27	345.03	197.81
Feb. 6	74.83	952.30	347.43	197.87
13	72.80	931.57	339.31	193.89

15. TRADING VOLUME<sup>2</sup>

Date	NYSE	AMEX	NASDAQ
1978-High	66.4 (8/3)	11.0 (10/30)	18.8 (5/18)
Low	7.6 (1/2)	1.3 (1/20)	2.8 (1/20)
1979-High	81.6 (10/10)	13.2 (10/10)	25.8 (12/17)
Low	18.0 (1/2)	2.2 (1/22)	7.2 (1/2)
1980-High	84.1 (11/5)	15.0 (1/15)	60.4 (11/19)
Low	16.1 (12/26)	2.5 (4/14)	10.7 (4/14)
1981-High	92.9 (1/7)	15.8 (1/7)	53.2 (1/7)
Low	28.9 (1/2)	4.1 (1/23)	19.7 (1/2)
1980-Dec. 5	49.4	6.9	47.1
12	51.2	7.6	35.4
19	50.5	5.8	29.6
26	38.2	4.7	22.2
1981-Jan. 2	36.5	6.2	25.4
9	64.9	8.5	41.4
16	42.8	5.6	33.1
23	38.9	5.0	30.4
30	38.7	5.3	28.8
Feb. 6	45.2	5.2r	30.9r
13	37.9	4.5	31.0

1 Figures other than highs and lows are Friday figures only.

2 Volume figures are weekly averages of daily figures (millions of shares). Highs and lows refer to single days.

3 12/31/65 = 50

4 8/31/73 = 100

5 2/5/71 = 100

16. SECURITY CREDIT<sup>1</sup>

Outstanding, dollar amounts in millions

End of period	Margin credit extended by brokers on:		Number of margin accounts (thousands)	Percent of debt in accounts with 40 percent or more customer equity
	Marginable stock	Convertible bonds		
1976	7,960	204	810	88
1977	9,740	250	887	81
1978	10,830	205	955	67
1979	11,450	164	995	84
1979 - Jan.	10,750	199	950	79
Feb.	10,790	195	950	71
Mar.	10,870	181	965	79
Apr.	11,220	194	960	77
May	11,130	183	970	78
June	11,590	172	980	79
July	11,840	178	970	81
Aug.	12,060	176	995	86
Sept.	12,000	177	1,005	84
Oct.	11,310	173	985	73
Nov.	10,920	161	1,000	83
Dec.	11,450	167	1,020	84
1980 - Jan.	11,820	165	1,035	87
Feb.	12,460	175	1,065	84
Mar.	11,740	171	1,075	54
Apr.	11,140	168	1,055	72
May	11,270	167	1,055	81
June	11,200	165	1,065	83
July	11,320	198	1,075	88
Aug.	11,800	204	1,095	89
Sept.	12,520	208	1,105	87
Oct.	13,080	211	1,120	87
Nov.	14,140	220	1,155	87
Dec.	14,500	219	1,180	86

<sup>1</sup> Margin account debt as reported by the New York Stock Exchange.

## 17. SAVINGS FLOWS AT SELECTED NONBANK THRIFT INSTITUTIONS

Millions of dollars

Date	Mutual Savings Banks (regular deposits) <sup>1</sup>			Savings and Loan Associations			Total		Memo: Net New Money <sup>2</sup>	
	Net flow		Annual growth rate <sup>3</sup>	Net flow		Annual growth rate <sup>3</sup>	Net flow (sea. adj.)	Annual growth rate <sup>3</sup>	At insured S&L's	At MSB's
	N.S.A.	Sea. adj.		N.S.A.	Sea. adj.					
1976	12,670	--	11.6	50,169	--	17.5	62,854	15.9	34,369	5,283
1977	10,783	--	8.7	50,888	--	15.0	60,982	13.3	32,004	2,874
1978	8,426	--	6.3	44,153	--	11.3	52,292	10.1	23,460	-591
1979	2,900	--	2.1	39,051	--	9.1	42,226	7.4	15,730	-6,885
1979-July	-318	9	0.1	2,006	2,906	7.7	2,915	5.9	1,455	-733
Aug.	-112	5508	4.2	1,199	3,487	9.2	3,995	8.0	717	-504
Sept.	517	134	1.1	4,744	2,444	6.4	2,578	5.1	-198	-1,000
Oct.	-985	-694	-5.8	1,855	3,243	8.4	2,549	5.0	1,314	-1,420
Nov.	-199	74	0.6	1,153	3,498	9.0	3,572	7.0	732	-765
Dec.	1,006	183	15.1	4,505	2,166	5.6	2,349	4.6	-700	-987
1980-Jan.	-927	-605	-5.0	2,059	2,080	5.3	1,475	2.9	1,167	-1,436
Feb.	141	168	1.4	1,622	2,614	6.6	2,782	5.4	1,079	-543
Mar.	930	-222	-1.9	4,390	-336	-0.8	-558	-1.1	-696	-679
Apr.	-449	402	3.4	325	3,891	8.6	3,793	7.4	-817	-1,024
May	881	1,106	9.2	3,011	4,056	10.2	5,162	10.0	1,785	242
June	1,770	1,206	9.9	5,269	2,762	6.9	3,962	7.6	-169	-176
July	992	1,339	11.0	2,216	3,089	7.6	4,428	8.4	961	246
Aug.	610	1,228	10.0	2,507	4,574	11.2	5,802	11.0	1,285	1
Sept.	1,377	971	7.8	5,588	3,216	7.8	4,787	7.8	6	-460
Oct.	402	713	5.7	3,870	5,442	13.2	6,155	11.4	2,550	-169
Nov.	312	605	4.8	2,507	5,116	12.2	5,721	10.5	1,461	-227
Dec. <sup>P</sup>	1,550	694	5.5	7,656	5,001	11.8	5,695	10.4	2,122	-550

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 percent 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.

## 18. MORTGAGE COMMITMENTS OUTSTANDING AT SELECTED INSTITUTIONS

Billions of dollars, seasonally adjusted

End of Period	Thrift Institutions			Federal and Related Agencies			
	Total	All savings and loan associations	Mutual savings banks (N.Y. state)	Total	FNMA	GNMA	FHLMC
1978	37.5	32.7	4.8	16.5	9.9	4.8	1.8
1979	31.5	28.1	3.4	12.6	6.9	4.7	1.0
1979-Jan.	37.0	32.2	4.8	15.4	8.9	4.8	1.7
Feb.	36.5	31.8	4.7	14.1	7.7	4.8	1.6
Mar.	36.0	31.4	4.6	13.0	6.7	4.8	1.5
Apr.	36.2	31.7	4.5	12.6	6.4	4.8	1.4
May	35.8	31.7	4.1	12.0	6.0	4.7	1.3
June	35.7	31.5	4.2	11.7	5.6	4.8	1.3
July	35.7	31.7	4.0	11.6	5.5	4.8	1.3
Aug.	35.9	32.0	3.9	11.2	5.5	4.4	1.3
Sept.	36.7	32.7	4.0	12.2	6.8	4.2	1.3
Oct.	35.9	32.3	3.6	14.1	8.2	4.6	1.3
Nov.	33.0	29.4	3.6	13.5	7.7	4.7	1.1
Dec.	31.5	28.1	3.4	12.6	6.9	4.7	1.0
1980-Jan.	30.7	27.5	3.2	11.9	6.2	4.7	1.0
Feb.	29.9	27.1	2.8	11.2	5.7	4.5	1.0
Mar.	26.5	24.0	2.5	10.5	5.2	4.7	0.8
Apr.	22.8	20.7	2.1	9.2	4.2	4.4	0.6
May	21.1	19.3	1.8	9.3	3.5	5.0	0.8
June	22.4	20.7	1.7	10.3	3.6	5.7	1.0
July	26.0	23.7	1.8	10.6	3.9	5.5	1.2
Aug.	28.4	26.7	1.8	10.6	4.4	5.1	1.1
Sept.	29.9	28.0	1.9	10.1	4.4	4.8	0.9
Oct.	29.5	27.7	1.8	10.4	4.9	4.8	0.7
Nov.	29.5	27.8	1.7	10.3	4.4	5.2	0.7
Dec.	n.a.	27.3	n.a.	9.3	3.5	5.2	0.6

Based on data from Federal Home Loan Bank Board, Savings Banks Association of New York State, and federal and related agencies, seasonally adjusted by Federal Reserve. Both thrift institutions series include a minor amount of non-residential commitments; S&L commitments also include loans in process. Subtotals may not add to total because of rounding.



## 19. NET NEW MONEY BORROWINGS BY MAJOR HOUSING CREDIT AGENCIES

Millions of dollars

Period	Total including short-term discount notes	Intermediate- and long-term issues				FNMA and FHLB short-term discount notes
		Total	FHLB	FHLMC	FNMA	
1976	-1,750	-1,131	-2,031	0	900	-619
1977	2,732	1,444	496	-4	952	1,288
1978	19,030	13,578	6,302	576	6,700	5,452
1979-Jan.	967	0	0	0	0	967
Feb.	1,457	1,033	834	199	0	424
Mar.	912	1,372	0	-128	1,500	-460
Apr.	1,027	997	0	-3	1,000	30
May	304	215	222	-7	0	89
June	1,363	1,299	0	199	1,100	64
July	1,625	1,916	700	216	1,000	-291
Aug.	360	613	415	198	0	-253
Sept.	398	-154	0	146	-300	552
Oct.	2,297	1,599	1,300	-1	300	698
Nov.	1,791	1,453	953	0	500	338
Dec.	1,375	150	0	150	0	1,225
1980-Jan.	328	-2	0	-2	0	330
Feb.	927	10	-350	160	200	917
Mar.	3,580	1,780	1,400	-120	500	1,800
Apr.	2,205	1,499	1,000	-1	500	706
May	1,366	2,649	900	-1	1,750	-1,283
June	-929	1,000	0	0	1,000	-1,929
July	-979	442	0	-8	450	-1,421
Aug.	-458	1,200	200	0	1,000	-1,658
Sept.	1,325	253	1,000	-97	-650	1,072
Oct.	3,607	1,300	1,600	0	-300	2,307
Nov.	313	900	150	0	750	-587

Based on data from Treasury Survey of Ownership.

## 20. NET CHANGE IN MORTGAGE HOLDINGS AT SELECTED INSTITUTIONS

Millions of dollars, seasonally adjusted

Period	Total	Major private financial institutions					FNMA and GNMA	FHLMC	Mortgage pools	
		Total	Commercial banks	MSB's	S&L's	Life insur. companies			GNMA- guaranteed	FHLMC- guaranteed
1978	126,411	103,221	35,376	6,314	52,153	9,378	8,735	-233	9,389	5,275
1979	122,121	88,877	31,504	3,886	43,064	12,607	8,147	973	20,854	3,270
Jan.	10,320	7,893	2,662	559	4,051	621	832	179	1,202	214
Feb.	10,056	7,803	2,491	483	3,891	938	790	65	1,080	319
Mar.	9,786	6,733	2,426	388	3,439	1,067	1,385	253	1,276	139
Apr.	8,276	5,940	2,487	204	3,998	848	489	-3	1,542	308
May	11,033	8,349	2,328	388	4,654	979	745	19	1,505	415
June	10,814	8,400	2,753	373	4,253	1,021	530	-25	1,625	284
July	10,277	8,267	2,809	384	3,919	1,155	35	62	1,608	304
Aug.	10,520	7,446	2,636	297	3,380	1,133	524	114	2,122	314
Sept.	10,612	7,731	2,953	276	3,375	1,127	284	144	2,161	293
Oct.	11,581	8,501	2,844	248	3,808	1,601	764	-71	2,002	385
Nov.	10,297	6,818	2,594	265	2,827	1,132	866	202	2,393	18
Dec.	8,549	4,996	2,521	21	1,469	985	903	34	2,338	277
1980										
Jan.	9,962	6,234	2,474	197	2,126	1,437	1,182	68	2,374	104
Feb.	8,537	6,484	2,402	290	2,557	1,235	631	144	1,198	80
Mar.	7,423	5,077	1,826	6	1,828	1,405	1,286	29	834	199
Apr.	6,339	2,884	890	-49	857	1,187	1,155	154	2,006	140
May	3,266	1,369	526	148	-438	1,133	584	-130	1,205	238
June	1,876	474	50	-168	-236	802	193	30	1,084	189
July	6,348	4,011	1,886	-115	1,767	1,116	196	45	1,570	338
Aug.	7,773	5,651	1,123	-113	3,587	1,054	-8	192	1,758	187
Sept.	7,906	6,175	1,115	-10	4,442	588	-94	214	1,342	269
Oct.	11,053	8,304	2,750	180	4,511	863	689	115	1,881	64
Nov.	7,968	6,609	2,090	117	3,631	771	542	50	873	-106
Dec.	n.a.	n.a.	2,135	n.a.	3,101	n.a.	n.a.	216	1,354	-52

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 Association of Mutual Savings Banks, Federal Home Loan Bank Board, American Council of Life Insurance, the Federal National Mortgage Association, the Government National Mortgage Association, and the Federal Home Loan Mortgage Corporation. Data for mutual savings banks and 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 89 percent of the net increase estimated for all holders in 1978.

## 21. NET CHANGE IN MORTGAGE DEBT OUTSTANDING, BY TYPE OF PROPERTY<sup>1</sup>

Billions of dollars, seasonally adjusted annual rates

Quarter	Total	Residential			Commercial	Multifamily and commercial	Farm
		Total	1- to 4-family	Multifamily			
1976-Q1	81.7	62.9	61.5	1.4	13.7	15.1	5.1
Q2	75.5	55.4	55.6	-0.2	15.3	15.1	4.8
Q3	92.7	72.7	69.0	3.7	13.2	16.9	6.8
Q4	98.1	78.0	75.4	2.6	12.4	15.0	7.7
1977-Q1	110.7	87.5	83.3	4.2	14.6	18.8	8.6
Q2	134.9	110.3	102.0	8.3	15.2	23.5	9.4
Q3	140.2	114.3	106.1	8.2	17.5	25.6	8.4
Q4	150.2	116.8	108.2	8.6	24.6	33.2	8.8
1978-Q1	135.3	105.6	97.4	8.2	20.9	29.0	8.8
Q2	147.0	116.5	106.6	9.9	20.7	30.6	9.8
Q3	154.3	116.0	104.1	11.9	26.7	38.6	11.6
Q4	160.4	123.7	113.3	10.4	25.5	35.8	11.2
1979-Q1	155.9	117.8	109.0	8.8	22.3	31.1	15.9
Q2	164.3	117.9	111.0	6.9	28.5	35.4	17.9
Q3	161.3	114.9	105.8	9.1	30.0	39.1	16.4
Q4	150.2	114.5	104.6	9.9	21.3	31.2	14.4
1980-Q1	144.4	104.4	95.1	9.3	25.8	35.0	14.4
Q2	70.9	42.1	35.7	6.4	13.8	20.2	15.1
Q3	117.9	87.0	77.7	9.3	19.5	28.8	11.4

<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.

## 22. AVERAGE RATES AND YIELDS ON HOME MORTGAGES AND PASS-THROUGH SECURITIES

Primary market			Secondary market					
Period	Rates on conventional loans at S&L's	Period	FHA/VA mortgages				Conventional mortgages	
			Yield in FNMA auction	Discount points in FNMA auction	Ceiling rate	Yield on GNMA securities	Yield in FNMA auction	Yield in FHLMC auction
1978-High	10.38	1978-High	10.60	7.13	9-1/2	9.68	10.92	10.42
Low	8.98	Low	9.13	1.88	8-1/2	8.43	9.28	9.12
1979-High	12.90	1979-High	13.29	12.54	11-1/2	11.77	13.97	13.56
Low	10.38	Low	10.42	4.16	9-1/2	9.51	10.92	10.40
1980-High	16.35	1980-High	15.57	15.40	14	14.17	15.35	14.56
Low	12.18	Low	12.42	.93	11-1/2	10.73	12.76	11.60
Aug. 1	12.25	Aug. 4	13.58	11.96	11-1/2	11.99	13.34	12.64
8	12.25	11	--	--	11-1/2	12.41	--	13.00
15	12.55	18	14.26	15.40	11-1/2	12.46	14.00	13.24
22	12.80	25	--	--	12	12.48	--	13.36
29	12.95	Sept. 2	14.41	13.42	12	12.57	14.19	13.35
Sept. 5	13.03	Sept. 8	--	--	12	12.59	--	13.32
12	13.08	15	14.60	14.33	12	12.74	14.29	13.44
19	13.25	22	--	--	13	12.93	--	13.82
26	13.43	29	15.30	12.37	13	13.35	14.86	13.94
Oct. 3	13.60	Oct. 6	--	--	13	12.70	--	13.80
10	13.73	13	14.57	8.69	13	12.59	14.47	13.70
17	13.78	20	--	--	13	12.98	--	13.86
24	13.85	27	15.30	12.39	13	13.35	14.92	14.22
31	14.00	Nov. 3	--	--	13	13.42	--	14.22
Nov. 7	14.08	Nov. 10	15.57	13.68	13	13.61	15.25	14.25
14	14.18	17	--	--	13	13.67	--	14.34
21	14.28	24	15.49	10.65	13-1/2	13.57	15.35	14.38
28	14.28	Dec. 1	--	--	13-1/2	13.75	--	14.56
Dec. 5	14.43	Dec. 8	15.50	10.67	13-1/2	13.79	15.65	14.70
12	14.83	15	--	--	13-1/2	14.01	--	14.86
19	14.95	22	14.92	7.79	13-1/2	13.24	15.43	14.86
26	14.95	29	--	--	13-1/2	13.31	--	14.36
<u>1981</u>								
Jan. 2	14.95	Jan. 5	14.89	7.63	13-1/2	13.18	15.04	14.16
9	14.80	12	--	--	13-1/2	13.50	--	14.43
16	14.85	19	14.84	7.33	13-1/2	13.62	14.85	14.51
23	14.85	26	--	--	13-1/2	13.71	--	14.60
30	14.94	Feb. 3	14.88	7.56	13-1/2	13.76	14.83	14.72
Feb. 6	15.07	Feb. 10	--	--	13-1/2	14.08	--	14.04

Column 2 is average of contract interest rates on commitments for level-payment conventional first mortgages with 80 percent loan-to-value ratios and 30 year maturities made by a sample of insured S&Ls. Columns 4 and 8 are average gross yield to FNMA before deduction of the fee of 37½ basis points paid for mortgage servicing. They reflect the average accepted bid yield for first mortgages for optional delivery within 4 months, assuming prepayment in 12 years for 30-year loans, without adjustments for FNMA commitment fees and FNMA stock retention requirements. Column 7 is a 1-day quote on average net yields to investors on GNMA-guaranteed mortgage-backed securities for immediate delivery, assuming prepayment in 12 years on pools of 30-year FHA/VA mortgages carrying a coupon rate 50 basis points below the current FHA/VA ceiling rates shown in Column 6. Column 9 is the average net yield to FHLMC on accepted bids in its weekly auction of commitments to buy conventional home mortgages for immediate (within 60 days) delivery. Beginning July 7, 1980, the FNMA auction results for FHA/VA mortgages do not include graduated payment mortgages.

## 23. FNMA AUCTIONS OF COMMITMENTS TO PURCHASE HOME MORTGAGES

Dollar amounts in millions

Date of auction	FHA/VA mortgages			Conventional mortgages		
	Offered	Accepted	Average yield	Offered	Accepted	Average yield
1979-High	1,034.9	448.3	13.29	454.0	172.2	13.97
Low	36.5	19.4	10.42	19.4	17.9	10.92
1980-High	644.2	354.6	15.93	426.0	133.0	17.51
Low	92.7	51.9	12.28	28.7	20.0	12.81
1980-Nov. 10	126.3	63.6	15.57	51.8	47.5	15.25
24	125.7	72.0	15.49	29.8	21.3	15.35
Dec. 8	92.7	51.9	15.50	56.1	34.1	15.65
22	145.4	58.9	14.92	28.7	20.0	15.43
1981-Jan. 5	146.9	57.9	14.89	12.4	11.1	15.04
19	63.8	35.1	14.84	19.6	19.2	14.85
Feb. 2	73.9	40.4	14.88	33.1	27.8	14.83

## 24. FHLMC AUCTIONS OF COMMITMENTS TO PURCHASE HOME MORTGAGES

Conventional mortgages, dollar amounts in millions

Date of auction	Immediate delivery program			Future commitment program		
	Offered	Accepted	Average yield	Offered	Accepted	Average yield
1979-High	298.0	150.5	13.56	166.6	37.8	13.89
Low	38.7	17.9	10.40	38.7	13.7	10.43
1980-High	401.4	200.3	16.22	129.5	31.2	17.36
Low	4.9	2.5	11.60	38.1	11.6	12.13
1980-Nov. 4	59.9	42.2	14.22	--	--	--
12	55.9	26.9	14.25	38.6	23.6	14.88
18	55.3	39.5	14.34	--	--	--
25	60.9	33.6	14.38	--	--	--
Dec. 2	57.9	35.9	14.56	--	--	--
9	39.2	33.3	14.70	53.3	24.3	15.35
16	24.9	18.9	14.86	--	--	--
23	4.9	2.5	14.86	--	--	--
30	27.8	21.2	14.36	--	--	--
1981-Jan. 6	105.9	65.9	14.16	--	--	--
13	141.6	30.0	14.43	73.6	18.4	15.16
20	98.0	34.0	14.51	--	--	--
26	74.3	26.0	14.60	--	--	--
Feb. 2	66.5	22.3	14.72	--	--	--
9	n.a.	n.a.	15.04	30.3	15.1	15.38

Offerings in the FNMA auctions of 4-month purchase commitments relate to total bids submitted, and average yields to FNMA on accepted bids are gross (before deduction of 37% basis points for mortgage servicing) assuming prepayment in 12 years for 30-year mortgages, without adjustments for FNMA commitment fees or stock related requirements. Offerings in the FHLMC auctions relate to total bids submitted, and average yields to FHLMC on accepted bids are net, excluding 37% basis points for mortgage servicing. Prior to June 24, 1980, the FHLMC's future commitment program involved 6-month commitments; subsequently, 8-month commitments have been auctioned.

Source: FNMA and FHLMC

## 25. ISSUES OF MORTGAGE-BACKED SECURITIES

Millions of dollars, not seasonally adjusted

Period	Pass-through securities						Public offerings of mortgage- backed bonds by savings and loan assoc.
	GNMA-guaranteed		FHLMC-guaranteed		Privately insured		
	New issues	Outstanding (end of period)	New issues	Outstanding (end of period)	New issues	Outstanding (end of period)	
1976	13,764	30,571	1,396	2,671	n.a.	n.a.	75
1977	17,440	44,896	4,131	6,610	242	238	1,115
1978	15,358	54,347	6,212	11,892	1,011	1,141	465
1979	24,940	76,401	4,546	15,180	2,575	3,641	1,110
1979-Jan.	1,703	55,627	317	12,093	60	1,325	0
Feb.	1,361	56,575	494	12,462	136	1,411	0
Mar.	1,464	57,955	118	12,466	84	1,482	0
Apr.	1,489	60,274	364	12,790	151	1,619	0
May	1,673	61,551	572	13,296	201	1,821	0
June	1,860	63,001	382	13,562	142	1,915	400
July	2,032	64,401	321	13,781	204	2,105	225
Aug.	2,934	67,135	554	14,200	190	2,257	350
Sept.	2,640	69,358	347	14,421	254	2,516	65
Oct.	2,639	71,457	530	14,838	470	2,987	0
Nov.	3,250	74,106	186	14,916	383	3,353	0
Dec.	1,895	76,401	361	15,180	300	3,641	70
1980-Jan.	2,611	78,849	180	15,274	405	4,227	50
Feb.	1,354	79,900	207	15,397	205	4,421	0
Mar.	1,125	80,843	106	15,454	342	4,771	0
Apr.	1,778	82,419	199	15,613	510	5,269	0
May	1,127	83,385	391	15,949	495	5,760	0
June	1,320	84,282	232	16,120	413	6,168	190
July	1,874	85,634	288	16,370	485	6,603	50
Aug.	2,215	88,031	320	16,658	466	6,995	0
Sept.	1,807	89,452	275	16,852	355	7,338	0
Oct.	2,255	91,425	187	16,950	402	7,708	0
Nov.	1,613	92,574	94	16,912	628	8,342	0
Dec.	1,569	93,874	48	16,853	427	8,724	0

GNMA-guaranteed securities are issued by private institutions and represent undivided interests in pools of Government-underwritten home mortgages formed by these institutions. FHLMC-guaranteed securities include Participation Certificates and Guaranteed Mortgage Certificates issued by FHLMC against pools of conventional residential mortgages formed by FHLMC. Privately-insured pass-through securities are issued by private institutions against pools of conventional residential mortgages and are underwritten by major private mortgage insurance companies.

Source: GNMA, FHLMC, HUD, and Federal Reserve.