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# Capital Market Developments

FEDERAL RESERVE BANK  
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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)
1979-July 6	--	9.41	175	77	40
13	--	9.50	440	70	133
20	9.57	9.58	257	96	10
27	9.63	9.59	754	90	79
Aug. 3	9.52	9.57	429	90	42
10	9.40	9.44	456	83	72
17	9.42	9.45	361	92	30
24	9.47	9.47	587	99	8
31	9.62	9.54	179	94	10
Sept. 7	--	9.70	110	85	17
14	9.84	9.87	945	93	67
21	9.97	9.92	296	99	1
28	9.98	10.00	615	80	123
Oct. 5	10.22	10.25	1,575	80	283
12	10.88r	10.79r	300	97	10
19	11.04p	10.88p	204	97	6

## 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)
1979-July 6	5.50	6.08	--	465	83	278
13	5.60	6.11	--	836	90	299
20	5.60	6.15	--	427	82	272
27	5.60	6.19	--	941	86	274
Aug. 3	5.60	6.14	--	548	92	208
10	5.70	6.13	--	823	81	291
17	5.70	6.16	--	1,066	84	404
24	5.75	6.23	--	798	91	348
31	5.85	6.36	--	605	85	244
Sept. 7	5.85	6.47	--	366	84	181
14	5.90	6.49	--	706	89	164
21	5.90	6.57	7.23	497	88	104
28	5.95	6.56	7.25	583	90	117
Oct. 5	5.95	6.64	7.35	1,015	80	183
12	6.35	7.12	7.75	1,080	88	206
19	6.35	7.18	7.94	1,051	97	90

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. govt. 20-year constant maturity <sup>4</sup>	Bond Buyer G.O. bond index <sup>5</sup>	Bond Buyer Rev. bond index <sup>6</sup>
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)	8.84 (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	9.29 (12/15)	9.54 (12/22)	9.27(12/29)	9.00 (12/22)	6.67 (12/22)	--
Low	8.60 (3/24)	8.84 (1/6)	8.30(1/6)	8.02 (1/6)	5.58 (3/17)	--
1979-High	11.04 (10/19)	10.88 (10/19)	10.07(10/19)	9.97 (10/19)	7.18 (10/19)	--
Low	9.40 (8/17)	9.39 (6/29)	9.16(7/6)	8.79 (7/6)	6.08 (7/6)	--
1979-Jan.	9.54	9.51	9.25	8.98	6.47	--
Feb.	9.53	9.56	9.26	9.03	6.31	--
Mar.	9.62	9.62	9.37	9.08	6.33	--
Apr.	9.70	9.74	9.38	9.21	6.29	--
May	9.83	9.84	9.50	9.21	6.25	--
June	9.50	9.50	9.29	8.91	6.13	--
July	9.58	9.53	9.20	8.92	6.13	--
Aug.	9.48	9.49	9.23	8.97	6.20	--
Sept.	9.93	9.87	9.44	9.21r	6.52	--
Aug. 3	9.52	9.57	9.24	8.96	6.14	--
10	9.40	9.44	9.20	8.92	6.13	--
17	9.42	9.45	9.20	8.95	6.16	--
24	9.47	9.47	9.23	8.97	6.23	--
31	9.62	9.54	9.30	9.04	6.36	--
Sept. 7	--	9.70	9.34	9.18	6.47	--
14	9.84	9.87	9.42	9.19	6.49	--
21	9.97	9.92	9.49	9.19	6.57	7.23
28	9.98	10.00	9.50	9.26	6.56	7.25
Oct. 5	10.22	10.25	9.66	9.38	6.64	7.35
12	10.88r	10.79r	9.91r	9.85r	7.12	7.75
19	11.04p	10.88p	10.07p	9.97p	7.18	7.94

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>		
	1977	1978	1979	1977	1978	1979
January	4,358	3,326	3,770	3,402	3,306	2,834
February	3,790	2,770	3,170	3,442	2,753	2,595
March	5,578	4,569	4,401	4,063	4,844	4,640
April	3,928	3,397	4,692	3,409	3,824	3,501
May	3,733	4,227	4,167	4,566	5,525	3,030
June	5,632	5,539	6,247	5,786	4,369	4,559
July	4,251	4,414	3,330e	3,113	3,920	3,262
August	3,458	3,379	3,450e	4,118	6,407	4,124
September	4,178	4,236	3,600e	4,013	2,323	2,700e
October	4,025	3,799		3,807	3,231	
November	5,341	3,207		3,332	4,320	
December	6,518	4,401		3,646	3,690	
Year	53,792	47,264		46,697	48,512	

<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 on the basis of available data.

#### 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							
		Bills	Coupons	Non-marketable						
CY <sup>5</sup> -1977	61,410	56,762	-2,504	45,973	14,314	-887	5,250	-602	7,327	
CY -1978	52,870	53,683	706	31,777	22,644	-1,431	3,206	-4,019	23,509	
1979-Jan.	3,696	3,312	539	2,551	414	-208	-762	1,146	1,736	
Feb.	6,032	-668	131	1,320	-2,109	-16	-1,558	8,258	2,154	
Mar.	13,722	8,012	3,044	2,906	2,525	-432	6,508	-798	2,196	
Apr.	-9,834	-4,965	-1,729	2,396	-5,494	-168	-4,212	-657	2,218	
May	4,822	1,806	-654	2,937	-312	-237	-669	3,685	1,037	
June	-11,237	-1,458	-3,186	-18	1,853	-92	3,049	-12,828	2,181	
July	8,167	4,831	48	3,518	1,305	-71	-619	3,955	3,094e	

<sup>1</sup> U.S. unified budget deficit or surplus plus off-budget entities deficit or surplus.

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

<sup>3</sup> Also includes changes in matured and noninterest-bearing public debt.

<sup>4</sup> 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.

<sup>5</sup> 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
1976	53,488	26,453	15,927	11,108	1,592	994
1977	53,792	24,072	17,943	11,777	1,340	863
1978	47,230	19,815	17,057	10,358	1,092	418
1978-QI	10,665	4,748	3,886	2,031	413	4
QII	13,163	5,422	4,788	2,953	341	158
QIII	12,029	5,159	4,526	2,344	181	127
QIV	11,373	4,486	3,857	3,030	157	129
1979-Jan.	3,770	1,282	1,824	664	16	3
Feb.	3,170	1,336	921	913	10	5
Mar.	4,401	1,904	1,825	672	21	0
Apr.	4,692	2,984	1,129	579	23	759
May	4,167	1,999	1,576	592	1	350
June	6,247	4,171	1,185	891	8	385

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

Gross proceeds, millions of dollars

Period	Manufacturing	Public utility	Communications	Other issuers <sup>1</sup>
1976	15,495	14,418	3,563	20,011
1977	13,393	14,127	4,442	21,827
1978	10,813	12,232	3,640	20,549
1978-QI	2,555	2,433	854	4,822
QII	3,148	3,728	424	5,863
QIII	2,699	3,049	1,143	5,142
QIV	2,411	3,022	1,219	4,722
1979-Jan.	934	817	259	1,759
Feb.	399	1,186	558	1,026
Mar.	763	1,056	582	2,000
Apr.	572	1,410	261	2,450
May	1,293	865	109	1,899
June	1,193	1,373	409	3,272

<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 1979	Type	Amount (millions of dollars)	Maturity	Coupon rate	Offering yield	Moody's/S&P's ratings
Indiana & Michigan Elec. Co.	10/2	Pfd. stk.	40.0	n.a.	11.00	11.00	Baa/BBB
Duke Power Co.	10/2	1st mtg.	150.0	2009	10.75	10.80	A/A+
Kansas Power & Light Co.	10/3	Com. stk.	33.3	n.a.	n.a.	n.a.	--
Pacific Northwest Bell Tel. Co.	10/3	Debt.	170.0	2019	10.13	10.20	Aaa/AAA
TransWorld Corp.	10/3	Units	90.0	1999	10.00	10.00	B/B
Oak Industries Inc.	10/4	Com. stk.	33.5	n.a.	n.a.	n.a.	--
Beckman Instruments Inc.	10/4	Com. stk.	54.3	n.a.	n.a.	n.a.	--
Telecom Corp.	10/4	Debt.	25.0	1999	10.38	10.38	B/B
Dial Financial Corp.	10/4	Debt.	50.0	2000	10.50	10.56	A/A+
McDonalds Corp.	10/4	Notes	50.0	1989	10.25	10.25	A/A+
IBM	10/4	Notes	500.0	1986	9.50	9.62	Aaa/AAA
IBM	10/4	Debt.	500.0	2004	9.38	9.41	Aaa/AAA
Philadelphia Elec. Co.	10/10	1st mtg.	100.0	2005	12.50	12.50	A/A-
Louisiana Power & Light Co.	10/10	Pfd. Stk.	40.0	n.a.	n.a.	13.12	Ba/BB
Ohio Edison Co.	10/10	Pfd. stk.	30.3	n.a.	n.a.	11.90	Ba/BB
Public Service Elec. & Gas Co	10/10	Com. stk.	59.3	n.a.	n.a.	n.a.	--
Southern California Edison Co	10/11	1st mtg.	200.0	2004	11.75	11.85	Aa/AA
Houston Industries Inc.	10/17	Com. stk.	68.9	n.a.	n.a.	n.a.	--
Columbia Gas System Inc.	10/17	Debt.	100.0	1999	11.75	11.85	A/A
Arizona Public Service Co.	10/18	1st mtg.	75.0	2009	12.13	12.20	A/A-
Apache Marine Services Inc.	10/18	Govt. gtd.	29.0	2004	10.40	10.40	--/--
<u>OTHER</u>							
Hydro-Quebec	10/18	Bonds	200.0	2009	11.25	11.40	Aa/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 1979	Type <sup>2</sup>	Amount (millions of \$)	Maturity	Net interest cost	Offering yield	Moody's/S&P's ratings
San Pablo Redevel. Agcy., CA	10/3	Rev.	13.7	1981-1998	n.a.	6.25-7.70	--/A-
San Pablo Redevel. Agcy., CA	10/3	Rev.	35.1	2011	n.a.	8.00	--/A-
California Hsg. Fin. Agcy.	10/3	Rev.	47.1	1982-1999	7.19	6.00-7.30	A-1/AA+
California Hsg. Fin. Agcy.	10/3	Rev.	22.9	2014	7.19	7.50	A-1/AA+
Houston, Texas	10/3	Rev.	10.0	1983-1999	7.08 <sup>3/</sup>	5.75-6.75	A/A
Houston, Texas	10/3	Rev.	25.0	2013	7.08 <sup>3/</sup>	7.20	A/A
Chicago Public Bldg. Comm., IL	10/3	Rev.	29.0	1981-1999	6.66	6.00-6.80	Aa/A+
Memphis Shelby Co. Airport Auth., TE	10/3	Rev.	27.1	1982-1999	6.63 <sup>3/</sup>	5.80-6.80	A/A
Salt River Agric. Improv. & Power Dist., AZ	10/4	Rev.	37.6	1983-2000	7.09	5.70-6.80	Aa/A+
Salt River Agric. Improv. & Power Dist., AZ	10/4	Rev.	31.3	2007	7.09	7.10	Aa/A+
Salt River Agric. Improv. & Power Dist., AZ	10/4	Rev.	11.9	2009	7.09	--	Aa/A+
Salt River Agric. Improv. & Power Dist., AZ	10/4	Rev.	89.2	2019	7.09	7.25	Aa/A+
Union Co., AR	10/4	Rev.	8.5	1982-1998	n.a.	6.00-7.50	A-1/--
Union Co., AR	10/4	Rev.	5.0	2009	n.a.	7.63	A-1/--
Union Co., AR	10/4	Rev.	11.5	2010	n.a.	7.88	A-1/--
Michigan Hgr. Educ. Loan Auth.	10/4	Rev.	42.0	1982	6.70	6.30	Aa/A+
Nassau Co., NY	10/4	G.O.	27.4	1980-2009	6.80	6.00-6.75	A-1/AAA
Dade Co., FL	10/4	G.O.	67.5	1980-2004	n.a.	5.75-6.95	A-1/A+
Coon Rapids, MN	10/5	Rev.	17.3	1980-1999	n.a.	6.00-7.80	--/A+
Coon Rapids, MN	10/5	Rev.	27.7	2009	n.a.	8.00	--/A+
Kentucky Turnpike Auth.	10/5	Rev.	44.1	1981-1995	7.13	5.80-6.50	A-1/A+
Kentucky Turnpike Auth.	10/5	Rev.	40.0	2002	7.13	7.10	A-1/A+
Kentucky Turnpike Auth.	10/5	Rev.	64.4	2009	7.13	7.20	A-1/A+
Tarrant Co. Water Control & Improv. Dist. #1, TX	10/8	Rev.	87.4	1991-2000	7.26	6.20-7.00	A/AA-
Tarrant Co. Water Control & Improv. Dist. #1, TX	10/8	Rev.	56.0	2004	7.26	7.15	A/AA-
Tarrant Co. Water Control & Improv. Dist. #1, TX	10/8	Rev.	199.4	2013	7.26 <sup>3/</sup>	7.30	A/AA-
Oregon, State of	10/9	G.O.	200.0	1992-2005	6.71 <sup>3/</sup>	6.25-6.75	Aaa/AA+
Pennsylvania Hsg. Fin. Agcy.	10/9	Rev.	14.1	1983-2000	7.55	6.00-7.50	A-1/A+
Pennsylvania Hsg. Fin. Agcy.	10/9	Rev.	19.9	2010	7.55	7.54	A-1/A+
Pennsylvania Hsg. Fin. Agcy.	10/9	Rev.	18.7	2021	7.55	7.70	A-1/A+
Pennsylvania Hsg. Fin. Agcy.	10/9	Rev.	2.7	2023	7.55	7.70	A-1/A+
Ohio Water Devel. Auth.	10/11	Rev.	41.0	2009	7.44	7.46	A/A
Morgan County, CO	10/12	Rev.	15.0	2004	7.40	7.25	--/--
Morgan County, CO	10/12	Rev.	35.0	2009	7.40	7.38	--/--
Minneapolis-St. Paul Metro, Council	10/16	Rev.	55.0	1989-2009	7.49	7.10-7.50	--/--
Washington Suburban Sant. Dist., MD	10/17	G.O.	95.0	1982-2014	7.19	6.10-7.40	Aa/AA
Washington Public Power Supply Sys.	10/17	Rev.	45.0	1982-1999	7.69 <sup>3/</sup>	6.40-7.30	Aaa/AAA
Washington Public Power Supply Sys.	10/17	Rev.	23.0	2004	7.69 <sup>3/</sup>	7.60	Aaa/AAA
Washington Public Power Supply Sys.	10/17	Rev.	57.0	2012	7.69 <sup>3/</sup>	7.75	Aaa/AAA

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.

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

Issuer	Date 1979	Type <sup>2</sup>	Amount (millions of \$)	Maturity	Net interest cost	Offering yield	Moody's/S&P's ratings
Little Rock Hlth. Fac. Bd., AR	10/18	Rev.	10.5	1980-1996	8.45	6.50-7.75	Aa/A+
Little Rock Hlth. Fac. Bd., AR	10/18	Rev.	25.1	2009	8.45	8.40	Aa/A+
Virginia Hsg. Devel. Auth.	10/18	Rev.	9.6	1983-1995	8.12	6.90-7.50	A-1/AA
Virginia Hsg. Devel. Auth.	10/18	Rev.	4.5	1998	8.12	--	A-1/AA
Virginia Hsg. Devel. Auth.	10/18	Rev.	30.3	2012	8.12	8.25	A-1/AA
Virginia Hsg. Devel. Auth.	10/18	Rev.	4.8	2022	8.12	8.29	A-1/AA
Puerto Rico Water Resources Auth.	10/18	Rev.	20.0	2004	9.07	9.00	A/A
Puerto Rico Water Resources Auth.	10/18	Rev.	80.0	2009	9.07	9.00	A/A
Vanceburg, KY	10/18	Rev.	11.0	1984-1995	n.a.	7.20-8.30	Con. A/BBB+
Vanceburg, KY	10/18	Rev.	13.3	2002	n.a.	8.63	Con. A/BBB+
Vanceburg, KY.	10/18	Rev.	86.1	2018	n.a.	9.00	Con. A/BBB+
New York State Power Auth.	10/18	G.O.	26.0	1987-1999	8.03	6.80-7.75	A/A
New York State Power Auth.	10/18	G.O.	124.0	2009	8.03	8.00	A/A
Duarte Redevel. Agcy., CA	10/19	Rev.	5.8	1981-1994	n.a.	6.75-7.90	--/A
Duarte Redevel. Agcy., CA	10/19	Rev.	22.1	2011	n.a.	8.25	--/A

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

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

<sup>3</sup> 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>1978</b>										
Dec. 19	1/2	2-yr.	12/31/80	9-7/8	9.99	3,546	2,561	} 858	} 123	535
20	1/2	4-yr.	12/31/82	9-3/8	9.45	3,205	2,568			200
<b>1979</b>										
Jan. 4	1/1	15-yr. 1-mo	2/15/94	9	9.00	1,509	1,509	1,509	1,509	0
23	1/31	2-yr.	1/31/81	9-3/4	9.85	3,146	2,760	291	56	235
Feb. 6	2/15	8-yr.	2/15/87	9	9.01	3,209	2,278	} 1,318	} 1,318	0
7	2/15	29-yr. 9-mo	11/15/08	8-3/4	9.03	2,801	2,001			0
21	2/28	2-yr.	2/28/81	9-3/4	9.85	2,887	2,519	42	42	0
27	3/5	4-yr. 1-mo	3/31/83	9-1/4	9.35	2,930	2,535	2,930	2,535	395
Apr. 5	4/9	2-yr.	3/31/81	9-5/8	9.68	3,516	2,867	-3	-12	9
10	4/18	14-yr 10-mo	2/15/94	9	9.14	1,500	1,500	1,500	1,500	0
24	4/30	2-yr.	4/30/81	9-3/4	9.78	3,013	2,547	1,021	714	307
May 1	5/15	10-yr.	5/15/89	9-1/4	9.37	2,689	2,339	} 2,627	} 2,627	0
2	5/15	30-yr.	5/15/09	9-1/8	9.23	2,207	2,007			0
22	5/31	2-yr.	5/31/81	9-3/4	9.77	2,542	2,303	455	455	0
June 19	7/2	2-yr.	6/30/81	9-1/8	9.22	3,057	2,807	} 2,090	} 2,005	0
21	7/2	4-yr.	6/30/83	8-7/8	8.89	3,123	2,793			84
27	7/9	15-yr. 1-mo	8/15/94	8-3/4	8.81	1,506	1,506	1,506	1,506	0
July 24	7/31	2-yr.	7/31/81	9-3/8	9.41	3,217	3,047	37	37	0
31	8/15	3-yr.	8/15/82	9	9.06	3,586	2,811			0
Aug. 1	8/15	7-yr. 6-mo	2/15/87	9	9.00	3,028	2,528	} 1,464	} 2,513	0
2	8/15	29-yr. 9-mo	5/15/09	9-1/8	8.92	2,398	2,001			0
22	8/31	2-yr.	8/31/81	9-5/8	9.65	3,714	3,258	233	233	0
28	9/5	4-yr. 8-mo	5/15/84	9-1/4	9.25	2,562	2,502	2,562	2,502	60
Oct. 3	10/9	2-yr.	9/30/81	10-1/8	10.21	3,654	3,254	3,654	3,254	0
4	10/10	4-yr.	9/30/83	9-3/4	9.79	2,770	2,502	2,770	2,502	0
11	10/18	15-yr. 1-mo	11/15/94	10-1/8	10.17	1,501	1,501	1,501	1,501	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.

**II. PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: GOVERNMENT-SPONSORED AGENCIES**

Issuer	Offering date 1979	Payment date 1979	Length	Maturity date	Yield (percent)	Amount (millions of dollars)		
						Gross proceeds	Maturing issues	Net proceeds
FNMA	6/6	6/11	3-yr. 10-mo	4/11/83	9.25	1,000		
	6/6	6/11	5-yr.	6/11/84	9.25	500	900	1,100
	6/6	6/11	10-yr.	6/12/89	9.30	500		
FNMA	6/27	7/10	3-yr. 3-mo	10/11/82	9.00	500		
	6/27	7/10	5-yr.	7/10/84	9.05	1,000	1,000	1,000
	6/27	7/10	8-yr.	7/10/87	9.10	500		
FFCB	7/11	7/23	2-yr. 6-mo	1/20/82	8.90	653		
	7/11	7/23	4-yr. 6-mo	1/23/84	9.00	1,128	1,314	1,128
	7/11	7/23	12-yr.	7/22/91	9.10	662		
FHLB	7/19	7/25	1-yr. 4-mo	11/25/80	9.30	700	0	700
FHLMC	7/19	8/2	30-yr. 1-mo	9/15/09	10.05	200	0	200
FHLB	8/15	8/27	2-yr. 9-mo	5/25/82	9.15	900	1,400	400
	8/15	8/27	4-yr. 6-mo	2/27/84	9.05	900		
FNMA	8/30	9/10	3-yr. 6-mo	3/10/83	9.50	700	1,000	-300
FFCB	9/19	10/1	4-yr. 9-mo	6/4/84	9.70	749	201	548
FNMA	9/26	10/10	3-yr. 11-mo	9/10/84	9.75	700	400	300
FFCB	10/11	10/23	3-yr. 6-mo	4/20/83	10.90	542		
	10/11	10/23	7-yr.	10/20/86	10.75	630	1,069	517
	10/11	10/23	10-yr.	10/23/89	10.60	414		
FHLB	10/18	10/25	2-yr. 10-mo	8/25/82	11.25	750		
	10/18	10/25	4-yr. 7-mo	5/25/84	11.00	550	0	1,300

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

As of October 19, 1979

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

Issuer	Type	Amount (millions of dollars)	Approximate date of offering
Enserch Corp.	Com. stk.	75.0	Oct. 22
Sharon Steel Corp.	Debt.	50.0	Oct. 23
Mountain States Tel. & Tel. Co.	Debt.	175.0	Oct. 23
Pacific Gas & Elec. Co.	Com. stk.	200.0	Oct. 23
Gulf States Utilities Co.	Com. stk.	40.0	Oct. 24
Atlanta Gas Light Co.	Debt.	50.0	Oct. 24
General Tel. Co. of the Southwest	Debt.	75.0	Oct. 25
General Tel. Co. of the Southwest	Pfd. stk.	25.0	Oct. 25
El Paso Elec. Co.	1st mtg.	25.0	Oct. 29
Southern California Gas Co.	Debt.	70.0	Oct. 30
Long Island Lighting Co.	Com. stk. (rts)	120.0	Oct. 30
Kansas Gas & Elec. Co.	Com. stk.	40.0	Oct. 31
Elisnore Corp.	Debt.	35.0	Oct.
Braniff International Corp.	Pfd. stk.	75.0	Oct.
*Western Co. of North America	Pfd. stk.	35.0	Oct.
ITT Financial Corp.	Debt.	125.0	Oct.
High Voltage Engineering Corp.	Debt.	25.0	Oct.
United Grocers Inc.	Notes	30.0	Oct.
Crystal Oil Co.	Debt.	25.0	Oct.
Kansas City Power & Light Co.	1st mtg.	50.0	Nov. 6
Duquesne Light Co.	Com. stk.	55.0	Nov. 7
Louisiana Power & Light Co.	1st mtg.	75.0	Nov. 8
Arizona Public Service Co.	Com. stk.	45.0	Nov. 11
Pacific Tel. & Tel. Co.	Debt.	300.0	Nov. 13
Middle South Utilities Inc.	Com. stk.	100.0	Nov. 13
Florida Power & Light Co.	1st mtg.	75.0	Nov. 14
Virginia Elec. & Power Co.	Com. stk.	80.0	Nov. 19
Kentucky Utilities Co.	Com. stk.	20.0	Nov. 19
Wisconsin Public Service Co.	1st mtg.	40.0	Nov. 27
Gulf States Utilities Co.	1st mtg.	75.0	Nov. 27
Pennsylvania Power & Light Co.	Com. stk.	50.0	Nov. 27
Public Service of New Mexico	1st mtg.	50.0	Nov. 28
Central Illinois Public Service Co.	Com. stk.	30.0	Nov. 28
Kentucky Utilities Co.	1st mtg.	40.0	Nov. 29
Consumers Power Co.	Com. stk.	50.0	Indef.
<u>OTHER</u>			
European Economic Community	Debt.	200.0	Oct.
<u>POSTPONED</u>			
Utah Power & Light Co.	Com. stk.	65.0	Oct. 18
GATX	Equip. tr. cert	60.0	Oct.
United Tel. Co. of Florida	Debt.	30.0	Oct.
Hydro-Quebec	Notes	100.0	Oct.

\* 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
New Jersey Hsg. Fin. Agcy.	Rev.	99.9	Oct. 23
Mercer Co., N.D.	Rev.	27.2	Oct. 23
California Dept. of Water Resources	Rev.	95.8	Oct. 23
*Carlisle Sewer Sys. Auth., Pa.	Rev.	27.8	Oct. 24
Los Angeles Dept. of Airports, CA	Rev.	255.0	Oct. 24
*Kentucky Hsg. Corp.	Rev.	46.0	Oct. 25
Michigan South Central Pwr. Agcy.	Rev.	95.6	Oct. 26
North Carolina, State of	G.O.	67.3	Oct. 30
Michigan State Hsg. Devel. Auth.	Rev.	61.5	Oct.
*Kentucky Hsg. Corp.	Rev.	29.0	Oct.
Allegheny Co. Hosp. Devel. Auth., PA	Rev.	41.5	Oct.
Delaware Solid Waste Auth.	Rev.	55.0	Nov. 1
Maryland Dept. of Transportation	Rev.	45.0	Nov. 7
Ohio Water Devel. Auth.	Rev.	290.0	Nov. 7
*Birmingham Medical Clinic Bd., AL	Rev.	77.0	Nov. 12
Dallas Co., TX	G.O.	35.0	Nov. 13
Los Angeles Dept. of Water & Pwr., CA	Rev.	50.0	Nov. 14
California, State of	G.O.	150.0	Nov. 14
Ohio Building Auth.	Rev.	88.0	Nov. 15
Corona Redevel. Agcy., CA	Rev.	96.1	Nov. 15
*Pima Co., AZ	G.O.	37.6	Nov. 20
<u>POSTPONEMENT</u>			
Grand Haven, MI	Rev.	84.5	Oct. 18
Alaska Hsg. Fin. Corp.	Rev.	114.0	Oct. 19
Illinois, State of	G.O.	130.0	Oct. 30
El Paso County, CO	Rev.	30.0	Oct.

\* 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>
1976-High	57.51 (9/21)	1014.79 (9/21)	107.05 (7/12)	92.52 (7/15)
Low	48.04 (1/2)	858.71 (1/2)	84.31 (1/2)	78.06 (1/2)
1977-High	57.69 (1/2)	999.75 (1/3)	127.89 (12/30)	105.05 (12/30)
Low	49.78 (11/2)	800.85 (11/2)	109.61 (1/12)	93.66 (4/5)
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)	235.15 (10/5)	152.29 (10/5)
Low	53.88 (2/27)	807.00 (2/27)	152.03 (1/2)	117.84 (1/2)
1979-Aug. 3	59.33	846.16	198.99	142.63
10	60.64	867.06	202.41	145.07
17	61.70	883.36	211.00	147.84
24	61.94	880.20	216.24	149.40
31	62.40	887.63	217.61	150.44
Sept. 7	61.39	874.15	222.59	148.07
14	62.08	879.10	225.92	150.56
21	62.88	893.94	227.24	150.65
28	62.24	878.58	225.18	149.98
Oct. 5	63.39	897.61	235.15	152.29
12	59.29	838.99	212.81	140.71
17	59.62	814.68	205.48	136.59

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

Date	NYSE	AMEX	NASDAQ
1976-High	44.5 (2/20)	8.6 (2/20)	11.1 (2/20)
Low	10.3 (1/2)	1.1 (1/2)	3.5 (1/2)
1977-High	35.3 (11/11)	4.2 (1/12)	11.2 (11/10)
Low	10.6 (10/10)	1.4 (9/22)	5.1 (5/27)
1978-High	66.4 (8/3)	11.0 (10/30)	18.8 (5/18)
Low	7.6 (1/20)	1.3 (1/20)	2.8 (1/20)
1979-High	81.6 (10/10)	13.2 (10/10)	24.5 (10/10)
Low	18.0 (1/2)	2.2 (1/22)	7.2 (1/2)
1979-Aug. 3	33.1	3.8	14.1
10	37.8	4.2	14.3
17	41.5	5.2	15.7
24	35.6	4.6	15.5
31	29.6	4.4	14.8
Sept. 7	34.9	5.1	15.0
14	38.4	5.4	15.6
21	41.8	5.8	15.8
28	34.6	5.3	15.3
Oct. 5	37.4	6.1	17.3
12	50.7r	7.9r	19.2r
17	32.0	3.8	13.4

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
1978 - Jan.	9,590	246	890	75
Feb.	9,780	242	890	75
Mar.	9,920	246	900	79
Apr.	10,260	248	915	85
May	10,660	245	930	85
June	11,090	242	945	84
July	11,190	247	955	87
Aug.	11,740	243	965	88
Sept.	12,400	225	990	85
Oct.	12,090	216	960	53
Nov.	11,000	209	955	68
Dec.	10,830	205	955	67
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	975	79
July	11,840	178	960	81
Aug.	12,060	176	975	86
Sept.	12,000	177	985	84

<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	--	11.5	50,169	--	17.4	62,409	15.7	34,369	5,283
1977	10,783	--	8.8	50,888	--	15.1	61,583	13.4	32,004	2,874
1978	8,426	--	6.4	44,209	--	11.4	52,867	10.2	23,460	-591
1978-Jan.	626	850	7.7	2,744	2,640	8.2	3,490	8.0	2,877	-59
Feb.	476	489	4.4	2,296	2,729	8.4	3,218	7.4	2,073	170
Mar.	1,712	533	4.8	7,152	3,129	9.6	3,662	8.3	2,592	338
Apr.	-209	494	4.4	558	2,327	7.0	2,821	6.4	401	-553
May	436	559	5.0	2,380	3,095	9.3	3,654	8.2	2,145	97
June	1,304	723	6.4	6,656	4,675	14.0	5,398	12.1	1,744	-90
July	341	668	5.9	3,074	3,846	11.4	4,514	10.0	2,812	38
Aug.	260	1,054	9.2	2,312	4,578	13.4	5,632	12.3	2,069	-75
Sept.	1,378	1,116	9.7	6,433	5,757	16.7	6,873	14.9	1,606	-41
Oct.	510	1,096	9.4	2,645	3,510	10.0	4,606	9.9	2,534	48
Nov.	275	353	3.0	2,157	4,399	12.4	4,752	10.1	1,897	-59
Dec.	1,317	537	4.6	5,802	3,710	10.4	4,247	9.0	710	-405
1979-Jan.	218	404	3.4	4,743	4,564	12.7	4,968	10.4	4,377	-118
Feb.	683	712	6.0	2,881	3,416	9.4	4,128	8.6	2,580	342
Mar.	1,971	728	6.1	8,348	3,833	10.5	4,561	9.4	3,146	463
Apr.	-832	-74	-0.6	-1,150	890	2.4	816	1.6	-1,490	-1,192
May	61	190	1.6	2,041	2,796	7.5	2,986	6.1	1,627	-341
June	890	273	2.3	6,866	4,738	12.7	5,011	10.2	1,469	-649
July	-318	12	0.1	2,018	2,822	7.5	2,834	5.7	1,455	-714
Aug.	-100	720	6.0	1,220	3,640	9.6	3,858	7.7	729	-500

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
1976	27.3	24.6	2.7	8.1	3.8	3.8	0.5
1977	39.2	34.7	4.5	11.3	5.4	4.5	1.4
1978	38.3	33.4	4.9	17.4	10.6	4.9	1.9
1978-Jan.	38.6	33.6	4.4	12.3	6.5	4.5	1.3
Feb.	37.6	33.0	4.3	13.5	7.3	4.8	1.4
Mar.	36.9	32.7	4.3	13.9	7.5	5.0	1.4
Apr.	36.2	32.3	4.3	14.0	8.0	4.8	1.2
May	35.8	31.9	4.3	14.9	9.0	4.6	1.3
June	35.9	31.5	4.6	14.6	8.7	4.4	1.5
July	35.6	31.5	4.6	15.2	9.0	4.5	1.7
Aug.	36.2	31.9	4.6	15.0	8.8	4.3	1.9
Sept.	36.7	32.3	4.4	15.9	9.4	4.5	2.0
Oct.	38.8	33.9	4.8	17.2	10.7	4.6	1.9
Nov.	39.1	34.0	4.9	17.3	10.9	4.7	1.7
Dec.	38.3	33.4	4.9	17.3	10.6	4.8	1.9
1979-Jan.	37.5	32.6	4.9	15.7	9.2	4.8	1.7
Feb.	36.6	31.8	4.8	14.3	7.8	4.9	1.6
Mar.	36.0	31.4	4.6	13.2	6.7	5.0	1.5
Apr.	36.0	31.6	4.4	12.6	6.3	4.9	1.4
May	35.4	31.3	4.1	11.9	6.0	4.7	1.2
June	35.2	31.1	4.1	11.3	5.4	4.7	1.2
July	35.3	31.3	4.0	11.2	5.2	4.7	1.3
Aug.	n.a.	31.6	n.a.	10.9	5.3	4.3	1.3

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
1978-Jan.	563	82	0	82	0	481
Feb.	1,731	1,399	1,399	0	0	332
Mar.	912	-1	-1	0	0	913
Apr.	701	470	-1	-129	600	231
May	3,338	1,496	1,498	-2	0	1,842
June	1,504	1,300	0	300	1,000	204
July	1,626	1,900	700	0	1,200	-274
Aug.	1,550	1,000	1,000	0	0	550
Sept.	1,627	1,076	0	126	950	551
Oct.	1,799	1,695	-5	0	1,700	104
Nov.	1,429	1,113	1,114	-1	0	316
Dec.	2,250	2,048	598	200	1,250	202
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 <sup>e/</sup>	1,688	1,898	700	198	1,000	-210
Aug. <sup>e/</sup>	-141	400	400	0	0	-541

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
1976	76,152	65,603	14,600	4,074	44,515	2,414	-2,120	-718	12,314	1,073
1977	114,568	96,407	26,500	6,595	58,158	5,184	890	-993	14,325	3,939
1978	126,091	102,875	35,400	6,378	51,695	9,402	8,696	-212	9,451	5,281
1978-Jan.	9,675	8,146	2,748	587	4,319	492	350	-84	889	364
Feb.	8,281	7,953	2,537	554	4,384	478	487	17	-502	326
Mar.	10,322	8,551	2,632	625	4,736	558	505	239	954	73
Apr.	9,178	7,836	2,356	520	4,349	611	660	-88	387	383
May	11,425	8,665	3,053	583	4,300	729	1,420	-198	996	542
June	10,813	8,983	3,292	468	4,472	751	870	-731	712	979
July	10,273	8,337	3,426	594	3,647	670	538	-300	700	998
Aug.	10,861	9,026	3,231	544	4,214	1,037	915	516	1,219	-815
Sept.	10,612	8,546	3,162	498	4,188	698	808	18	865	375
Oct.	11,432	8,738	3,027	456	4,450	805	898	268	1,018	510
Nov.	11,765	9,341	3,067	626	4,762	886	604	178	1,217	425
Dec.	10,671	8,602	2,854	263	3,818	1,667	654	-49	974	490
1979-Jan.	10,343	7,973	2,840	575	3,925	633	820	231	1,177	142
Feb.	9,728	7,346	2,466	486	3,451	943	846	74	1,034	428
Mar.	10,191	7,241	2,362	395	3,414	1,070	1,125	338	1,451	36
Apr.	9,503	7,495	2,464	375e	3,780	876	466	-60	1,285	317
May	10,936	8,322	2,348	356	4,641	977	1,016	-45	1,168	475
June	10,618	8,471	2,789	330	4,362	990	610	-84	1,364	257
July	9,618	8,216	2,886	415	3,741	1,174	-220	79	1,274	269
Aug.	n.a.	n.a.	3,089	n.a.	3,480	n.a.	n.a.	174	n.a.	181

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 <sup>2</sup>			Commercial	Multifamily and commercial	Farm
		Total	1- to 4-family	Multifamily			
1976-Q1	80.9	62.5	61.0	1.5	13.3	14.8	5.2
Q2	74.5	55.0	55.2	-0.2	14.8	14.5	4.7
Q3	93.1	72.7	68.9	3.8	13.5	17.2	6.9
Q4	99.6	78.9	76.5	2.4	13.0	15.5	7.7
1977-Q1	108.5	85.9	81.6	4.2	14.0	18.2	8.6
Q2	133.8	110.0	101.8	8.3	14.5	22.8	9.2
Q3	140.9	114.5	106.2	8.3	17.8	26.1	8.6
Q4	152.8	118.6	110.2	8.4	25.6	34.0	8.7
1978-Q1	133.2	104.9	95.8	9.1	19.3	28.4	9.0
Q2	145.9	114.6	105.3	9.2	21.7	31.0	9.6
Q3	154.8	116.1	104.0	12.0	26.9	38.9	11.8
Q4	161.3	124.6	114.2	10.4	26.2	36.6	10.5
1979-Q1	152.8	114.7	105.1	9.6	25.8	35.4	12.3
Q2p	156.8	116.0	105.7	10.3	27.7	39.0	13.1

<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 and is the sum of 1- to 4-family and multifamily mortgage debt.

## 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
1976-High	9.10	1976-High	9.20	4.93	9	8.44	9.31	--
Low	8.70	Low	8.39	2.05	8	7.57	8.80	--
1977-High	9.00	1977-High	8.98	5.03	8-1/2	8.39	9.21	9.02
Low	8.65	Low	8.46	1.50	8	7.56	8.81	8.63
1978-High	9.73	1978-High	9.86	5.92	9	8.43	10.07	10.42
Low	8.98	Low	9.13	4.00	8 1/2	9.05	9.28	9.12
1979-High	11.45	1979-High	12.60	12.54	10-1/2	11.21	12.75	12.17
Low	10.38	Low	10.42	4.16	9-1/2	9.51	10.92	10.40
1979-June 1	10.90	June 4	--	--	10	9.83	--	11.04
8	11.03	11	10.79	5.10	10	9.76	11.54	11.11
15	11.05	18	--	--	10	9.72	--	11.13
22	11.10	25	10.74	4.81	10	9.82	11.60	11.16
29	11.10	July 2	--	--	10	9.69	--	11.01
July 6	11.13	July 9	10.66	4.31	10	9.69	11.54	10.94
13	11.08	16	--	--	10	9.78	--	10.87
20	11.08	23	10.65	4.22	10	9.80	11.51	10.82
27	11.08	30	--	--	10	9.88	--	10.88
Aug. 3	11.08	Aug. 6	10.64	4.16	10	9.82	11.50	10.99
10	11.08	13	--	--	10	9.88	--	11.10
17	11.08	20	10.69	4.46	10	9.90	11.53	11.20
24	11.10	27	--	--	10	10.03	--	11.28
31	11.13	Sept. 4	10.92	5.90	10	10.14	11.67	11.37
Sept. 7	11.20	Sept. 10	--	--	10	10.36	--	11.49
14	11.30	17	11.25	7.91	10	10.38	11.83	11.57
21	11.35	24	--	--	10	10.36	--	11.63
28	11.35	Oct. 1	11.66	7.25	10-1/2	10.65	11.99	11.64
Oct. 5	11.35	9	--	--	10-1/2	11.02	--	11.64
12	11.45	15	12.60	12.54	10-1/2	11.21	12.75	12.17

Column 2 is average of contract interest rates on commitments for conventional first mortgages with 80 percent loan-to-value ratios 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.

### 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
1977-High	855.4	569.7	8.98	415.9	278.0	9.21
Low	50.3	35.1	8.46	122.9	70.5	8.81
1978-High	1,249.4	605.3	10.60	716.9	362.5	10.92
Low	130.3	80.1	9.13	74.7	47.5	9.28
1979-High	1,017.4	448.3	12.60	400.9	165.9	12.75
Low	36.5	19.4	10.42	19.4	17.9	10.92
1979-July 9	36.5	19.4	10.66	36.0	27.5	11.54
23	96.7	50.2	10.65	57.5	42.4	11.51
Aug. 6	55.7	28.1	10.64	106.8	88.9	11.50
20	106.6	54.6	10.69	139.1	95.2	11.53
Sept. 4	613.5	285.0	10.92	289.7	172.2	11.67
17	807.6	314.9	11.25	237.6	153.4	11.83
Oct. 1	891.1	360.8	11.66	195.0	126.6	11.99
15	1,017.4	448.3	12.60	400.9	165.9	12.75

### 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
1977-High	303.0	132.6	9.02	262.8	131.0	9.03
Low	76.7	49.8	8.63	66.4	35.3	8.63
1978-High	359.7	191.7	10.42	247.1	84.4	10.54
Low	71.2	53.6	9.12	69.7	18.2	9.20
1979-High	298.0	150.5	12.17	166.6	37.8	11.85
Low	56.3	48.4	10.40	70.6	19.7	10.43
1979-Aug. 3	206.9	107.6	10.99	--	--	--
10	186.9	96.7	11.10	--	--	--
17	164.1	105.3	11.20	--	--	--
24	162.2	106.7	11.28	--	--	--
31	140.4	93.2	11.37	71.8	20.3	11.39
Sept. 7	147.4	106.1	11.49	--	--	--
14	126.4	106.2	11.57	--	--	--
21	101.0	84.9	11.63	--	--	--
28	101.9	93.9	11.64	71.9	29.1	11.85
Oct. 5	182.8	121.3	11.64	--	--	--
12	186.0	73.7	12.17	--	--	--

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 37½ 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 37½ basis points for mortgage servicing.

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	15,362	54,347	6,212	11,892	1,011	1,141	465
1978-Jan.	1,327	45,890	504	7,033	0	236	0
Feb.	929	45,325	470	7,431	10	243	0
Mar.	1,315	46,357	120	7,471	119	358	50
Apr.	823	46,463	466	7,861	201	557	290
May	1,255	47,387	651	8,434	135	689	75
June	999	48,033	1,093	9,422	23	703	0
July	997	48,663	299	10,371	72	764	0
Aug.	1,648	50,051	725	10,224	35	797	50
Sept.	1,203	50,844	394	10,512	33	822	0
Oct.	1,762	52,095	369	10,987	57	872	0
Nov.	1,721	53,358	581	11,463	36	897	0
Dec.	1,381	54,347	540	11,892	275	1,161	0
1979-Jan.	1,703	55,627	317	12,093	60	1,223	0
Feb.	1,361	56,575	494	12,462	59	1,273	0
Mar.	1,465	57,955	118	12,466	49	1,320	0
Apr.	1,488	58,939	364	12,790	146	1,447	0
May	1,673	60,042	572	13,296	160	1,577	0
June	1,860	61,341	382	13,562	54	1,617	400
July	2,032	62,545	321	13,781	143	1,699	225
Aug.	2,934	66,201	354	14,000	148	1,877	350
Sept.	2,697	68,351	n. a.	n. a.	n. a.	n. a.	65

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 underwritten by major private mortgage insurance companies.

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