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FEDERAL RESERVE BANK
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Capital Market Developments

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
Washington, D.C. 20551

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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 ¹	Recently offered Aaa utility ²	Gross offerings ³ (\$ millions)	Percent sold by end of week	New issues in syndicate ⁴ (\$ millions)
1980-Feb. 1	--	12.35	311	74	80
8	12.96	12.80	458	100	0
15	13.27	13.17	320	97	10
22	13.92	14.11	114	100	0
29	14.11	13.83	580	100	0
Mar. 7	13.98	13.94	348	82	63
14	13.95	13.72	392	87	50
21	13.85	13.80	810	96	31
28	14.22	14.12	230	98	5
Apr. 4	13.98	13.93	825	91	75
11	13.28r	13.30r	355	100	0
18	12.70p	12.53p	565	100	0

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 ³	New issues in syndicate ⁴ (\$ millions)
1980-Feb. 1	6.80	7.52	8.30	578	87	157
8	7.00	7.71	8.47	549	84	120
15	7.00	7.75	8.53	525	83	110
22	7.60	8.46	9.14	526	96	81
29	8.00	8.72	9.49	694	98	39
Mar. 7	8.00	8.94	9.71	493	96	32
14	8.15	9.08	9.91	487	95	35
21	8.25	9.20	9.99	714	85	122
28	8.25	9.44	10.19	337	97	45
Apr. 4	8.25	9.44	10.25	225	93	38
11	8.60	9.07	9.90	608	94	39
18	7.60	7.89	9.19	1,291	92	112

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 ¹	Recently offered Aaa utility ²	Moody's seasoned corporate Aaa ³	U.S. govt. 20-year constant maturity ⁴	Bond Buyer G.O. bond index ⁵	Bond Buyer Rev. bond index ⁶
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	9.30(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(11/2)	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	14.22(3/28)	14.12(3/28)	13.00(3/28)	12.79(2/22)	9.44(4/4)	10.25(4/4)
Low	11.51(1/11)	11.44(1/4)	10.88(1/4)	10.30(1/4)	7.28(1/18)	8.15(1/18)
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	9.21	6.52	--
Oct.	10.97	10.91	10.13	9.99	7.08	7.80
Nov.	11.42	11.36	10.76	10.37	7.30	8.11
Dec.	11.25	11.32	10.74	10.18	7.22	8.08
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
1980-Mar. 7	13.98	13.94	13.00	12.61	8.94	9.71
14	13.95	13.72	13.00	12.36	9.08	9.91
21	13.85	13.80	12.83	12.29	9.20	9.99
28	14.22	14.12	13.00	12.71	9.44	10.19
Apr. 4	13.98	13.93	12.97	12.43	9.44	10.25
11	13.28r	13.30r	12.57r	11.77r	9.07	9.90
18	12.70p	12.53p	12.07p	11.27p	7.89	9.19

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			State and Local		
	1978	1979	1980	1978	1979	1980
January	3,326	3,770	4,300 ^e	3,306	2,840	3,000 ^e
February	2,770	3,170	3,425 ^e	2,753	2,603	2,400 ^e
March	4,569	4,401	4,550 ^e	4,844	4,644	2,700 ^e
April	3,397	4,692		3,824	3,444	
May	4,227	4,167		5,525	3,042	
June	5,539	6,247		4,369	4,724	
July	4,414	4,095		3,920	3,396	
August	3,379	4,083		6,407	4,256	
September	4,236	4,308		2,323	2,472	
October	3,799	4,561		3,231	4,217	
November	3,207	3,834		4,320	4,160	
December	4,401	3,774		3,690	3,567	
Year	47,264	51,102		48,512	43,365	

1 Securities and Exchange Commission estimates of gross proceeds.

2 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 ⁴
	Combined deficit(+) or surplus(-) ¹	Means of financing combined deficit							
		Net cash borrowing from the public ²						Decrease(+)/ increase(-) in cash operating balance	
		Total ³	Public debt securities			Gov't. agency securities	Other		
Bills	Coupons		Non-marketable						
CY ⁵ -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
1979-Apr.	-9,834	-4,965	-1,729	2,396	-5,493	-158	-4,212	-657	2,218
May	4,822	1,806	-654	2,937	-269	-237	-669	3,685	1,037
June	-11,237	-1,458	-3,186	-30	1,867	-91	3,049	-12,828	2,181
July	8,167	4,831	48	3,529	1,312	-68	-619	3,955	3,094
Aug.	16,003	3,268	551	2,700	-41	-17	6,155	6,580	821
Sept.	-15,558	4,250	889	2,570	280	-14	-2,582	-17,226	910
Oct.	14,646	2,217	314	2,085	357	-20	-1,287	13,716	3,196
Nov.	8,941	5,548	3,408	1,463	704	-80	8,984	4,869	2,546
Dec.	1,997	11,207	7,544	3,614	57	-62	1,124	-10,334	1,542
1980-Jan.	5,170	5,201	2,878	2,050	163	-27	-709	-678	
Feb.	10,458								
Mar.									

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	1,092	418
1979	51,102	25,815	13,877	11,410	n.a.	2,229
1979-QI	11,341	4,522	4,570	2,249	47	8
QII	15,106	9,154	3,890	2,062	32	1,494
QIII	12,486	6,387	2,607	3,492	770	540
QIV	12,169	5,752	2,810	3,607	n.a.	187
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
July	4,095	2,247	867	981	257	153
Aug.	4,083	1,973	886	1,224	90	159
Sept.	4,308	2,167	854	1,287	423	228
Oct.	4,561	2,669	863	1,029	10	50
Nov.	3,834	1,583	1,006	1,245	21	24
Dec.	3,774	1,500	941	1,333	81	113

7. NEW CORPORATE SECURITY ISSUES BY TYPE OF ISSUER

Gross proceeds, millions of dollars

Period	Manufacturing	Public utility	Communications	Other issuers ¹
1977	13,393	14,127	4,442	21,827
1978	10,813	12,232	3,640	20,549
1979	11,276	13,273	4,500	22,048
1979-QI	2,096	3,059	1,399	4,785
QII	3,058	3,648	778	7,621
QIII	3,661	2,422	931	5,473
QIV	2,461	4,144	1,392	4,169
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
July	1,006	772	94	2,222
Aug.	1,166	503	336	2,079
Sept.	1,489	1,147	501	1,172
Oct.	1,485	1,769	480	825
Nov.	482	1,267	856	1,229
Dec.	496	1,108	56	2,115

¹ 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.

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

Gross proceeds, millions of dollars

Period	Corporate			State and Local		
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September	4,236	4,308		2,323	2,472	
October	3,799	4,561		3,231	4,217	
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		Total ³	Public debt securities			Gov't. agency securities	Other		
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CY ^{5/} -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
1979-Apr.	-9,834	-4,965	-1,729	2,396	-5,493	-158	-4,212	-657	2,218
May	4,822	1,806	-654	2,937	-269	-237	-669	3,685	1,037
June	-11,237	-1,458	-3,186	-30	1,867	-91	3,049	-12,828	2,181
July	8,167	4,831	48	3,529	1,312	-68	-619	3,955	3,094
Aug.	16,003	3,268	551	2,700	-41	-17	6,155	6,580	821
Sept.	-15,558	4,250	889	2,570	280	-14	-2,582	-17,226	910
Oct.	14,646	2,217	314	2,085	357	-20	-1,287	13,716	3,196
Nov.	8,941	5,548	3,408	1,463	704	-80	8,984	4,869	2,546
Dec.	1,997	11,207	7,544	3,614	57	-62	1,124	-10,334	1,542
1980-Jan.	5,170	5,201	2,878	2,050	163	-27	-709	-678	
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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	1,092	418
1979	51,102	25,815	13,877	11,410	n.a.	2,229
1979-QI	11,341	4,522	4,570	2,249	47	8
QII	15,106	9,154	3,890	2,062	32	1,494
QIII	12,486	6,387	2,607	3,492	770	540
QIV	12,169	5,752	2,810	3,607	n.a.	187
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
July	4,095	2,247	867	981	257	153
Aug.	4,083	1,973	886	1,224	90	159
Sept.	4,308	2,167	854	1,287	423	228
Oct.	4,561	2,669	863	1,029	10	50
Nov.	3,834	1,583	1,006	1,245	21	24
Dec.	3,774	1,500	941	1,333	81	113

7. NEW CORPORATE SECURITY ISSUES BY TYPE OF ISSUER

Gross proceeds, millions of dollars

Period	Manufacturing	Public utility	Communications	Other issuers ¹
1977	13,393	14,127	4,442	21,827
1978	10,813	12,232	3,640	20,549
1979	11,276	13,273	4,500	22,048
1979-QI	2,096	3,059	1,399	4,785
QII	3,058	3,648	778	7,621
QIII	3,661	2,422	931	5,473
QIV	2,461	4,144	1,392	4,169
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
July	1,006	772	94	2,222
Aug.	1,166	503	336	2,079
Sept.	1,489	1,147	501	1,172
Oct.	1,485	1,769	480	825
Nov.	482	1,267	856	1,229
Dec.	496	1,108	56	2,115

¹ 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: CORPORATE¹

Issuer	Date	Type	Amount (millions of dollars)	Maturity	Coupon rate	Offering yield	Moody's/S&P's ratings
Public Serv. Co. of New Mexico	4/1	Pfd. stk.	50.0	--	14.75	14.75	A/--
Oak Industries Inc.	4/1	Conv. debt.	50.0	2000	11.00	13.00	B/B
Grumman Corp.	4/3	Conv. debt.	75.0	2000	11.00	11.00	B/B
Hughes Tool Co.	4/3	Conv. debt.	100.0	2005	8.50	8.50	Baa/BBB
Ford Motor Co.	4/3	Notes	250.0	1985	14.75	14.75	Aa/AAA
Ford Motor Co.	4/3	Notes	150.0	1990	14.25	14.25	Aa/AAA
C&P Tel. Co. of Wash., D.C.	4/8	Debt	75.0	2017	13.00	13.07	Aaa/AAA
Ohio Edison Co.	4/9	lst. mtg.	50.0	1987	15.25	15.31	A/BBB+
Ohio Edison Co.	4/9	lst. mtg.	50.0	2010	15.50	15.50	A/BBB+
Carolina Power & Light Co.	4/10	lst mtg.	125.0	1987	14.13	14.18	A/A
Gen'l Tel. Co. of Wisconsin	4/10	Debt.	30.0	2010	14.38	14.38	A/A
Sunshine Mining Co.	4/10	Debt.	25.0	1995	8.50	8.50	B/B
Pub. Serv. Co. of N. Hampshire	4/10	Pfd. stk.	30.0	--	--	17.00	Ba/BB
Houston Industries Co.	4/15	Com. stk.	82.1	--	--	--	--/--
Perkin Elmer Corp.	4/15	Com. stk.	39.1	--	--	--	--/--
Houston Oil Royalty Trust Co.	4/15	Com. stk.	60.0	--	--	--	--/--
Gen'l. Tel. Co. of California	4/15	lst. mtg.	75.0	2010	14.13	14.20	A/A
Gen'l. Tel. Co. of California	4/15	lst. mtg.	50.0	1987	13.75	13.75	A/A
Florida Power Corp.	4/16	lst. mtg.	100.0	1987	13.63	13.63	A/A+
Bell Tel. Co. of Pennsylvania	4/17	Debt.	250.0	2020	11.88	11.88	Aaa/AAA
Rowan Companies	4/18	Conv. debt.	75.0	2000	8.75	8.75	Ba/BB

* Rights offering.

¹ 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 ¹

Issuer	Date	Type ²	Amount (millions of \$)	Maturity	Net interest cost	Offering yield	Moody's/S&P's ratings
Payne Co. Home Fin. Auth., OK	4/2	Rev.	6.5	2011	11.17	11.13	A-1/--
Payne Co. Home Fin. Auth., OK	4/2	Rev.	4.4	1981-1995	11.17	9.00-10.20	A-1/--
Payne Co. Home Fin. Auth., OK	4/2	Rev.	19.1	2010	11.17	11.13	A-1/--
West Virginia Hsg. Devel. Fund	4/2	Rev.	24.9	1981-1995	n.a.	8.60-10.10	Aa/AA-
West Virginia Hsg. Devel. Fund	4/2	Rev.	5.0	1998	n.a.	10.40	Aa/AA-
West Virginia Hsg. Devel. Fund	4/2	Rev.	20.1	2011	n.a.	10.63	Aa/AA-
King Co., WA	4/7	G.O.	30.0	1982-1999	8.44	8.00-8.70	Aa/AA
Sedgwick Co., KS	4/8	Rev.	9.8	1982-1995	11.63	9.20-10.40	Aa/AA
Sedgwick Co., KS	4/8	Rev.	2.5	2002	11.63	11.00	Aa/AA
Sedgwick Co., KS	4/8	Rev.	40.3	2011	11.63	11.25	Aa/AA
Sedgwick Co., KS	4/8	Rev.	7.4	2012	11.63	11.25	Aa/AA
Shawnee Co., KS	4/8	Rev.	8.2	1982-1995	11.63	9.20-10.40	Aa/AA
Shawnee Co., KS	4/8	Rev.	2.5	2002	11.63	11.00	Aa/AA
Shawnee Co., KS	4/8	Rev.	33.2	2011	11.63	11.25	Aa/AA
Shawnee Co., KS	4/8	Rev.	6.1	2012	11.63	11.25	Aa/AA
North Slope Borough, AK	4/9	G.O.	70.0	1982-1991	n.a.	9.80-10.20	A/A
Cowley Co., KS	4/9	Rev.	2.5	1981-1994	11.31	9.25-10.50	A1/AA-
Cowley Co., KS	4/9	Rev.	15.6	2011	11.31	11.38	A1/AA-
Cowley Co., KS	4/9	Rev.	2.6	2012	11.31	11.38	A1/AA-
Long Beach, CA	4/9	Rev.	8.3	1984-1995	11.96	9.00-10.50	Baa-1/AAA
Long Beach, CA	4/9	Rev.	26.2	2008	11.96	12.00	Baa-1/AAA
Ohio Air Quality Devel. Auth., OK	4/10	Rev.	74.7	1983	9.70	9.25	Aa/AA-
Greater Chicago Metro. San Dist., IL	4/10	Rev.	50.0	1982-2000	9.25	8.50-9.25	Aa/AA
North Carolina Mun. Power Agcy.	4/11	Rev.	16.9	1986-1995	n.a.	9.10-9.90	A/A
North Carolina Mun. Power Agcy.	4/11	Rev.	16.1	2000	n.a.	10.25	A/A
North Carolina Mun. Power Agcy.	4/11	Rev.	67.0	2010	n.a.	10.50	A/A
Midland, MI	4/14	Rev.	26.0	1981-2010	9.07	8.10-9.20	A/--
Philadelphia, PA	4/14	Rev.	21.6	1982-1990	10.39	8.75-9.50	A/A
Philadelphia, PA	4/14	Rev.	11.0	1994	10.39	10.00	A/A
Philadelphia, PA	4/14	Rev.	25.0	1999	10.39	10.25	A/A
Philadelphia, PA	4/14	Rev.	67.4	2004	10.39	10.38	A/A
Louisiana Offshore Terminal Auth.	4/14	Rev.	40.0	1983-1992	9.05	8.00-8.60	Aa/AA-
Louisiana Offshore Terminal Auth.	4/14	Rev.	12.0	1995	9.05	8.86	Aa/AA-
Louisiana Offshore Terminal Auth.	4/14	Rev.	20.0	2000	9.05	9.13	Aa/AA-
Louisiana Offshore Terminal Auth.	4/14	Rev.	37.0	2009	9.05	9.25	Aa/AA-
Louisiana Offshore Terminal Auth.	4/14	Rev.	16.0	2010	9.05	9.20	Aa/AA
Harris Co., TX	4/15	G.O.	29.5	1981-1993	7.58	7.00-7.60	A/A-
Maryland Community Devel. Auth.	4/15	Rev.	43.8	1981-1993	9.96	8.25-9.60	Aa/--
Maryland Community Devel. Auth.	4/15	Rev.	9.8	1996	9.96	9.60	Aa/--
Maryland Community Devel. Auth.	4/15	Rev.	34.7	2010	9.96	10.00	Aa/--
Maryland Community Devel. Auth.	4/15	Rev.	11.7	2011	9.96	10.00	Aa/--

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 LOCAL¹ (con't)

Issuer	Date	Type ²	Amount (millions of \$)	Maturity	Net interest cost	Offering yield	Moody's/S&P's ratings
Carroll Co., KY	4/15	Rev.	50.0	1983	9.12	9.00	Aa/--
Dupage Co., IL	4/15	Rev.	5.5	1982-1995	11.31	9.25-10.40	A1/AA
Dupage Co., IL	4/15	Rev.	29.7	2011	11.31	11.25	A1/AA
Dupage Co., IL	4/15	Rev.	3.8	2012	11.31	11.25	A1/AA
Georgia, State of	4/15	G.O.	64.0	1981-2005	7.29	6.50-7.60	Aaa/AA
Port of Oakland, CA	4/16	Rev.	35.0	1980-2003	9.00	7.25-9.78	A1/A+
Richmond, VA	4/16	G.O.	29.0	1981-1998	6.97	6.50-7.15	Aa/--
Platte River Power Auth., Co.	4/17	Rev.	15.5	1983-1994	9.13	8.00-8.45	A/A+
Platte River Power Auth., Co.	4/17	Rev.	34.5	2010	9.13	9.10	A/A+
Platte River Power Auth., Co.	4/17	Rev.	20.0	2010	9.13	9.25	A/A+
Sioux City, IA	4/17	Rev.	4.9	1984-1995	10.45	8.80-10.00	A1/AA
Sioux City, IA	4/17	Rev.	23.1	2010	10.45	10.38	A1/AA
California, State of	4/17	G.O.	45.0	1981-2000	6.82 ³ / ₄	6.25-7.00	Aa/AA+
California, State of	4/17	G.O.	80.0	1981-2005	6.97 ³ / ₄	6.25-7.25	Aa/AA+
Austin Hsg. Fin. Corp.	4/18	Rev.	21.6	1982-1997	n.a.	7.75-9.50	Aa/--
Austin Hsg. Fin. Corp.	4/18	Rev.	12.5	2001	n.a.	9.25	Aa/--
Austin Hsg. Fin. Corp.	4/18	Rev.	4.0	2002	n.a.	9.80	Aa/--
Austin Hsg. Fin. Corp.	4/18	Rev.	52.0	2011	n.a.	10.00	Aa/--
Austin Hsg. Fin. Corp.	4/18	Rev.	10.0	2012	n.a.	9.99	Aa/--
Wyoming Community Devel. Auth.	4/18	Rev.	7.8	2000	n.a.	8.88	--/--
Wyoming Community Devel. Auth.	4/18	Rev.	17.2	2012	n.a.	9.25	--/--

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 ³
						Gross proceeds		Net proceeds		
						Total	Private ¹	Total	Private ^{1,2}	
1980										
Jan. 3	1/10	15-yr 1-mo	2/15/95	10-1/2	10.60	1,502	1,502	1,502	1,502	0
23	1/31	2-yr	1/31/82	11-1/2	11.52	4,484	4,051	609	609	0
Feb. 5	2/15	3-1/2-yr	8/15/83	11-7/8	11.98	9,402	7,624	2,450	2,450	0
6	2/15	7-1/4-yr	5/15/87	12	12.02					
7	2/28	30-yr	2/15/05-10	11-3/4	11.84	4,472	4,073	652	652	0
20	2/28	2-yr	2/28/82	13-7/8	13.98					
26	3/3	5yr2-1/2mo	5/15/85	14-3/8	14.39					
Mar. 20	3/31	2-yr	3/31/82	15	15.01	4,032	3,532	839	839	0
25	3/31	4-yr	3/31/84	14-1/4	14.29	2,883	2,574			
Apr. 2	4/8	15-yr 1-mo	5/15/95	12-5/8	12.69	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.

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
	<u>1979</u>	<u>1979</u>						
FHLB	8/15	8/27	2-yr. 9-mo	5/25/82	9.15	900		
	8/15	8/27	4-yr. 6-mo	2/27/84	9.05	900	1,400	400
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
FNMA	11/8	11/13	4-yr. 11-mo	10/10/84	11.70	500	0	500
FHLB	11/15	11/26	1-yr. 9-mo	8/25/81	12.30	1,000		
	11/15	11/26	3-yr. 6-mo	5/25/83	11.60	1,000	1,700	900
	11/15	11/26	7-yr.	11/26/86	11.30	600		
FHLMC	11/15	12/3	29-yr. 9-mo	9/15/09	12.48	150	0	150
FNMA	12/5	12/10	3-yr. 6-mo	7/11/83	10.85	1,000	1,000	0
FFCB	12/19	1/2/80	5-yr.	12/3/84	10.65	433	531	-98
	<u>1980</u>	<u>1980</u>						
FFCB	1/16	1/21	2-yr. 10-mo	10/20/82	10.95	755		
	1/16	1/21	5-yr.	1/21/85	10.90	818	900	1,111
	1/16	1/21	10-yr.	1/22/90	10.95	438		
FNMA	1/31	2/11	5-yr.	2/11/85	11.70	500	300	200
FHLB	2/15	2/25	1-yr. 8-mo	10/26/81	12.85	900		
	2/15	2/25	3-yr. 6-mo	8/25/83	12.25	600	1,850	-350
FNMA	3/5	3/10	1-yr. 11-mo	2/10/82	15.25	1,000		
	3/5	3/10	3-yr. 11-mo	2/10/84	14.10	500	1,000	500
FHLB	3/13	3/25	1-yr. 4-mo	7/27/81	15.80	900		
	3/13	3/25	3-yr. 7-mo	10/25/83	14.05	500	0	1,400
FNMA	4/2	4/10	2-yr.	4/12/82	15.30	600		
	4/2	4/10	4-yr. 1-mo	5/10/84	14.25	1,000	1,100	500
FFCB	4/9	4/21	3-yr.	4/20/83	13.40	1,030		
	4/9	4/21	5-yr.	4/22/85	13.25	811	1,165	1,130
	4/9	4/21	8-yr.	4/20/88	12.65	454		

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

As of April 18, 1980

12. FORTHCOMING PUBLIC OFFERINGS OF INTERMEDIATE- AND LONG-TERM SECURITIES: CORPORATE¹

Issuer	Type	Amount (millions of dollars)	Approximate date of offering
Reading & Bates Corp.	Com. stk.	50.0	Apr. 21
Public Service Elec. & Gas Co.	Pfd. stk.	75.0	Apr. 22
Mississippi Power Co.	1st. mtg.	25.0	Apr. 22
Crystal Oil Co.	Debt.	40.0	Apr. 22
Philadelphia Electric Corp.	Debt.	150.0	Apr. 23
*United Illuminating Co.	Pfd. stk.	25.0	Apr. 24
Citicorp	Notes	250.0	Apr. 24
*Wells Fargo Co.	Notes	100.0	Apr. 24
Kentucky Utilities Co.	Com. stk.	25.0	Apr. 28
*Missouri Pacific R.R. Co.	Equip. tr.	25.0	Apr. 29
Middle South Utilities Co.	Com. stk.	80.0	Apr. 29
*Agway, Inc.	Pfd. stk.	30.0	Apr.
Teachers Serv. Organization Inc.	Notes	80.0	Apr.
Houston Oil & Minerals Corp.	Notes	60.0	Apr.
Pacific Power & Light Co.	1st. mtg.	75.0	May 14
Pacific Northwest Bell Tel. Co.	Debt.	150.0	May 20
Toledo Edison Co.	Com. stk.	30.0	May 20
Columbia Gas Co.	Debt.	75.0	May 21
Detroit Edison Co.	Com. stk.	56.0	May
Detroit Edison Co.	Pfd. stk.	45.0	May
Pacific Power & Light Co.	Com. stk.	70.0	May
Pacific Power & Light Co.	Pfd. stk.	50.0	May
Kansas City Power & Light Co.	Pfd. stk.	25.0	May
*Seaboard Coast Line R.R. Co.	Equip. tr.	72.6	May
*Wisconsin Electric Co.	1st. mtg.	70.0	May

* Included in table for first time.

¹ 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 ¹

Issuer	Type	Amount (millions of dollars)	Approximate date of offering
*Riley Co. and Geary Co., KS	Rev.	27.6	Apr. 21
*Oceanside Redevel. Agcy., CA	Rev.	35.6	Apr. 21
*Wamego, KS	Rev.	45.0	Apr. 21
*Michigan State Housing Devel. Auth. Wisconsin, State of	Rev.	80.0	Apr. 21
Massachusetts Health & Ed. Fac. Auth.	Rev.	62.0	Apr. 21
Illinois, State of	Rev.	55.6	Apr. 21
Denver, CO	G.O.	150.0	Apr. 22
Lower Colorado River Auth., TX	Rev.	44.0	Apr. 22
Baltimore, MD	Rev.	60.0	Apr. 24
Chattanooga-Hamilton Hosp. Auth., TX	G.O.	85.3	Apr. 24
*Johnson Co., KS	Rev.	77.0	Apr. 25
Memphis, TN	Rev.	115.0	Apr. 25
Fort Worth Indep. Sch. Dist., TX	G.O.	75.0	Apr. 25
Chicago Sch. Fin. Auth.	G.O.	25.0	Apr. 29
*Broward Co., FL	G.O.	220.0	Apr. 29
*Calcasieu Parish Home Mortgage Public Trust, L.A.	G.O.	25.0	Apr. 29
*Washington Public Power Supply System	Rev.	50.0	Apr. 29
Montgomery Co., MD	Rev.	130.0	Apr. 29
*Oakland Co., MI	G.O.	50.0	Apr. 29
Michigan Publ Power Agcy.	G.O.	32.7	Apr. 30
*Kansas City, KS	Rev.	45.0	Apr. 30
Santa Ana Community Redevel. Agcy., CA	Rev.	37.0	May 2
*Oregon, State of	Rev.	26.9	May 5
Los Angeles Dept. of Water & Power	G.O.	60.0	May 6
*Puerto Rico	Rev.	75.0	May 7
	G.O.	200.0	May

* Included in table for first time.

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

14. STOCK PRICES¹

Date	NYSE Index ³	DJ Industrials	AMEX ⁴	NASDAQ ⁵
1977-High	57.69 (1/2)	999.75 (1/3)	127.89 (12/30)	105.00 (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)	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	67.77 (2/13)	903.84 (2/12)	303.48 (2/28)	165.25 (2/8)
Low	55.30 (3/27)	759.98 (3/27)	215.69 (3/27)	124.09 (3/27)
1980-Mar. 7	60.96	820.56	277.50	146.19
14	60.07	811.69	262.03	144.44
21	58.24	785.15	252.78	138.80
28	56.82	777.65	228.89	129.25
Apr. 4	57.95	784.13	237.01	136.01
11	59.00	791.55	247.30	137.75
18	57.21	763.40	235.72	134.66

15. TRADING VOLUME²

Date	NYSE	AMEX	NASDAQ
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)	25.8 (12/17)
Low	18.0 (1/2)	2.2 (1/22)	7.2 (1/2)
1980-High	67.7 (1/16)	15.0 (1/15)	36.1 (2/8)
Low	23.1 (4/14)	2.5 (4/14)	10.7 (4/14)
1980-Mar. 7	46.6	6.3	21.1
14	38.3	5.2	17.3
21	37.1	5.2	16.1
28	46.1	7.3	18.8
Apr. 4	32.8	3.9	14.1
11	31.6r	3.4r	12.8r
18	30.6	3.1	12.4

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 CREDIT¹

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	975	79
July	11,840	178	960	81
Aug.	12,060	176	975	86
Sept.	12,000	177	985	84
Oct.	11,310	173	985	73
Nov.	10,920	161	980	83
Dec.	11,450	167	995	84
1980 - Jan.	11,820	165	1,000	87
Feb.	12,460	175	1,030	84
Mar.	11,740	n.a.	1,040	55

¹ Margin account debt as reported by the New York Stock Exchange.
n.a. not available

17. SAVINGS FLOWS AT SELECTED NONBANK THRIFT INSTITUTIONS

Millions of dollars

Date	Mutual Savings Banks (regular deposits) ¹			Savings and Loan Associations			Total		Memo: Net New Money ²	
	Net flow		Annual growth rate ³	Net flow		Annual growth rate ³	Net flow (sea. adj.)	Annual growth rate ³	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	2,733	--	2.0	39,218	--	9.1	42,123	7.4	15,029	-6,955
1978-Jan.	626	928	8.4	2,740	2,780	8.6	3,708	8.6	2,877	-59
Feb.	476	483	4.3	2,293	2,946	9.1	3,429	7.9	2,073	170
Mar.	1,712	580	5.2	7,143	3,155	9.6	3,735	8.5	2,592	338
Apr.	-209	567	5.1	557	2,975	9.0	3,542	8.0	401	-553
May	436	636	5.6	2,376	3,234	9.7	3,870	8.7	2,145	97
June	1,304	807	7.1	6,648	4,548	13.6	5,355	11.9	1,744	-90
July	341	626	5.5	3,070	3,838	11.3	4,464	9.9	2,812	38
Aug.	260	884	7.7	2,310	4,228	12.4	5,112	11.2	2,069	-75
Sept.	1,378	1,036	9.0	6,425	4,577	13.2	5,613	12.2	1,606	-41
Oct.	510	802	6.9	2,641	3,956	11.3	4,758	10.2	2,534	48
Nov.	275	518	4.4	2,155	4,269	12.1	4,787	10.2	1,897	59
Dec.	1,317	490	4.2	5,795	3,429	9.6	3,919	8.3	710	-405
1979-Jan.	218	584	5.0	4,735	4,987	13.9	5,571	11.7	4,377	-118
Feb.	683	705	6.0	2,876	3,733	10.3	4,438	9.2	2,580	342
Mar.	1,971	798	6.7	8,334	3,909	10.7	4,707	9.7	3,146	463
Apr.	-832	16	0.1	-1,147	1,667	4.5	1,683	3.4	-1,490	-1,192
May	61	280	2.3	2,037	3,006	8.1	3,286	6.7	1,627	-341
June	890	341	2.9	6,854	4,515	12.1	4,856	9.8	1,469	-649
July	-318	9	0.1	2,015	2,844	7.5	2,853	5.7	1,455	-714
Aug.	-112	508	4.2	1,199	3,192	8.4	3,700	7.4	717	-504
Sept.	517	134	1.1	4,770	2,620	6.8	2,754	5.5	-198	-1,000
Oct.	-985	-694	-5.8	1,863	3,321	8.6	2,627	5.2	1,314	-1,420
Nov.	-199	74	0.6	1,157	3,527	9.1	3,601	7.1	732	-765
Dec.	839	17	0.1	4,525	2,030	5.2	2,047	4.0	-700	-986
1980-Jan.	-113	-602	-5.0	2,065	2,191	5.6	1,589	3.1	1,167	-1,436
Feb. p	-100	-73	-0.6	1,560	2,551	6.5	2,478	4.8	1,019	-525

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.	37.7	33.3	4.4	12.3	6.5	4.5	1.3
Feb.	37.4	33.1	4.3	13.5	7.3	4.8	1.4
Mar.	37.0	32.7	4.3	13.9	7.5	5.0	1.4
Apr.	36.7	32.4	4.3	14.0	8.0	4.8	1.2
May	36.5	32.2	4.3	14.9	9.0	4.6	1.3
June	36.5	31.9	4.6	14.6	8.7	4.4	1.5
July	36.5	31.9	4.6	15.2	9.0	4.5	1.7
Aug.	36.7	32.1	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.	38.2	33.4	4.8	17.2	10.7	4.6	1.9
Nov.	38.2	33.3	4.9	17.3	10.9	4.7	1.7
Dec.	37.6	32.7	4.9	17.3	10.6	4.8	1.9
1979-Jan.	37.1	32.2	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.	36.1	31.5	4.6	13.2	6.7	5.0	1.5
Apr.	36.1	31.7	4.4	12.6	6.3	4.9	1.4
May	35.8	31.7	4.1	11.9	6.0	4.7	1.2
June	35.6	31.5	4.1	11.3	5.4	4.7	1.2
July	35.7	31.7	4.0	11.2	5.2	4.7	1.3
Aug.	35.9	32.0	3.9	10.9	5.3	4.3	1.3
Sept.	36.7	32.7	4.0	11.9	6.6	4.0	1.3
Oct.	36.0	32.3	3.7	14.4	8.4	4.6	1.4
Nov.	33.1	29.5	3.6	13.8	8.0	4.7	1.1
Dec.	31.6	28.1	3.5	13.3	7.4	4.8	1.1
1980-Jan.	30.8	27.5	3.3	12.2	6.4	4.7	1.1
Feb.	29.9	27.1	2.8	11.4	5.8	4.6	1.0

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	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. ^{e/}	328	-2	0	-2	0	330
Feb.	136	36	-350	-186	200	100

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	75,733	65,184	13,800	4,074	44,896	2,414	-2,120	-178	12,314	1,073
1977	114,298	96,137	26,200	6,595	58,158	5,184	890	-993	14,325	3,939
1978	126,615	103,399	35,400	6,378	52,219	9,402	8,696	-212	9,451	5,281
1978-Jan.	10,392	8,851	3,073	587	4,699	492	350	-84	911	364
Feb.	8,687	8,316	2,567	554	4,717	478	487	17	-459	326
Mar.	10,314	8,565	2,691	625	4,691	558	505	239	932	73
Apr.	9,319	7,896	2,370	520	4,395	611	660	-88	468	383
May	11,469	8,602	3,009	583	4,281	729	1,420	-198	1,103	542
June	10,701	8,797	3,246	468	4,332	751	870	-731	786	979
July	10,352	8,308	3,349	594	3,695	670	538	-300	808	998
Aug.	11,183	9,094	3,274	544	4,239	1,037	915	516	843	-815
Sept.	10,366	8,404	3,074	498	4,134	698	808	18	761	375
Oct.	11,375	8,682	2,974	456	4,447	805	898	268	1,017	510
Nov.	11,617	9,175	3,014	626	4,649	886	604	178	1,235	425
Dec.	10,629	8,540	2,733	263	3,877	1,667	654	-49	994	490
1979-Jan.	10,315	7,917	2,694	575	4,015	633	820	231	1,205	142
Feb.	10,153	7,722	2,489	486	3,804	943	846	74	1,083	428
Mar.	10,272	7,237	2,413	395	3,359	1,070	1,125	338	1,266	36
Apr.	9,633	7,370	2,477	185	3,832	876	466	-60	1,540	317
May	11,168	8,253	2,304	356	4,616	977	1,016	-45	1,469	475
June	10,677	8,284	2,742	348	4,204	990	610	-84	1,610	257
July	9,918	8,193	2,805	410	3,804	1,174	-220	79	1,597	269
Aug.	10,639	7,458	2,649	299	3,501	1,009	515	156	2,129	381
Sept.	10,852	8,039	3,062	277	3,542	1,158	191	162	2,152	308
Oct.	11,696	8,684	2,931	237	3,886	1,630	820	-114	1,854	452
Nov.	10,926	7,111	2,665	334	2,938	1,174	890	286	2,612	27
Dec.	8,408	4,995	2,574	-2	1,455	968	830	-49	2,307	325
1980-Jan.	9,583	5,878	2,136	206	2,088	1,448	1,170	123	2,377	35
Feb.	n.a.	n.a.	2,380	n.a.	2,197	n.a.	n.a.	157	1,200	51
Mar.	n.a.	n.a.	2,077	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

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 PROPERTY¹

Billions of dollars, seasonally adjusted annual rates

Quarter	Total	Residential ²		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	160.4	114.5	105.4	9.1	29.6	38.7	16.3
Q4p	153.7	115.0	105.0	10.0	24.3	34.3	14.4

¹ 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.

² 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	1.96	8	7.57	8.80	—
1977-High	9.00	1977-High	8.98	5.18	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	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
1979-Nov. 2	12.80	Nov. 5	—	—	11-1/2	11.73	—	13.56
9	12.85	13	12.93	8.44	11-1/2	11.51	13.97	13.22
16	12.80	20	—	—	11-1/2	11.69	—	13.00
23	12.80	27	12.57	6.45	11-1/2	11.36	13.35	12.89
30	12.90	Dec. 3	—	—	11-1/2	11.29	—	12.69
Dec. 7	12.90	Dec. 10	12.42	5.55	11-1/2	11.18	12.98	12.50
14	12.90	17	—	—	11-1/2	11.49	—	12.51
21	12.90	26	12.55	6.30	11-1/2	11.39	12.99	12.47
28	12.90	31	—	—	11-1/2	11.39	—	12.52
1980-Jan. 4	12.85	Jan. 7	12.70	7.17	11-1/2	11.70	13.10	12.63
11	12.90	14	—	—	11-1/2	11.70	—	12.69
18	12.87	21	13.11	9.43	11-1/2	12.07	13.29	12.76
25	12.89	28	—	—	11-1/2	12.28	—	12.90
Feb. 1	12.85	Feb. 4	13.76	12.88	11-1/2	12.53	13.67	13.05
8	12.85	11	—	—	12	12.74	—	13.25
15	12.88	19	15.21	17.25	12	13.72	14.57	13.48
22	12.98	25	—	—	12	13.65	—	14.10
29	13.59	Mar. 3	15.26	12.19	13	13.58	15.36	14.44
Mar. 7	14.00	Mar. 10	—	—	13	13.57	—	15.34
14	15.40	17	15.73	14.42	13	13.84	17.00	16.16
21	15.70	24	—	—	13	14.17	—	16.22
28	16.03	31	15.93	15.35	13	13.78	17.51	16.05
Apr. 4	16.35	Apr. 7	—	—	14	13.40	—	15.78
11	16.35	14	15.18	6.41	14	12.96	16.91	15.53

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-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	1,034.9	448.3	13.29	454.0	172.2	13.97
Low	36.5	19.4	10.42	19.4	17.9	10.92
Feb. 4	525.2	240.0	13.76	161.4	73.0	13.67
19	644.2	323.7	15.21	250.7	74.8	14.57
Mar. 3	535.4	178.1	15.26	324.4	73.4	15.36
17	442.7	148.5	15.73	426.0	114.2	17.00
31	289.2	99.5	15.93	168.2	52.3	17.51
Apr. 14	284.8	110.9	15.18	81.3	41.7	16.91

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	13.56	166.6	37.8	13.89
Low	38.7	17.9	10.40	38.7	13.7	10.43
1980-Feb. 1	66.4	43.3	13.05	--	--	--
8	57.2	37.1	13.25	--	--	--
15	72.7	50.9	13.48	--	--	--
22	52.9	28.8	14.10	78.1	14.3	15.11
29	55.7	29.7	14.44	--	--	--
Mar. 7	72.3	30.7	15.34	--	--	--
14	44.9	35.4	16.16	--	--	--
21	32.2	30.7	16.22	--	--	--
28	40.3	36.7	16.05	67.1	17.2	17.36
Apr. 4	31.1	25.8	15.78	--	--	--
11	25.0	20.8	15.53	--	--	--

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	15,358	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	1,325	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	51	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	488	2,981	0
Nov.	3,250	74,106	186	14,916	300	3,353	0
Dec.	1,895	76,401	361	15,180	470	3,641	70
1980-Jan.	2,611	78,849	180	15,274	382	4,019	50
Feb.	1,354	79,900	207	15,397	205	4,213	0
Mar.	1,125	n. a.	n. a.	n. a.	n. a.	n. a.	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 underwritten by major private mortgage insurance companies.
Source: GNMA, FHLMC, HUD, and Federal Reserve.