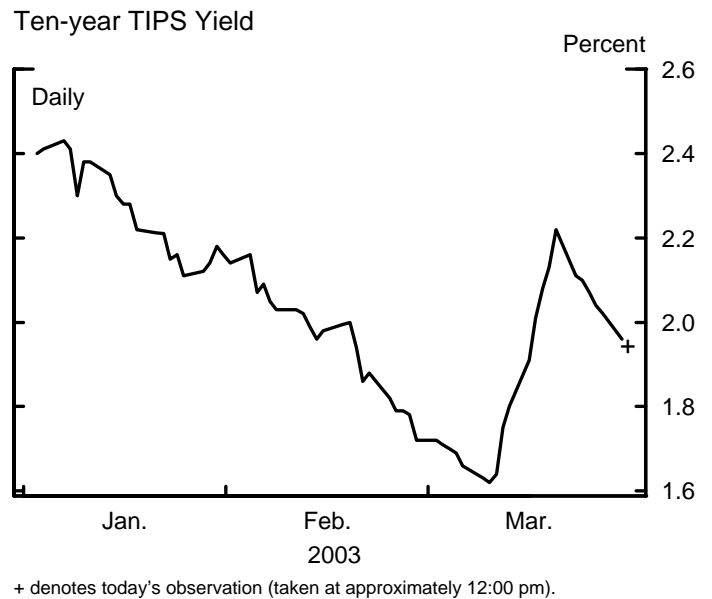
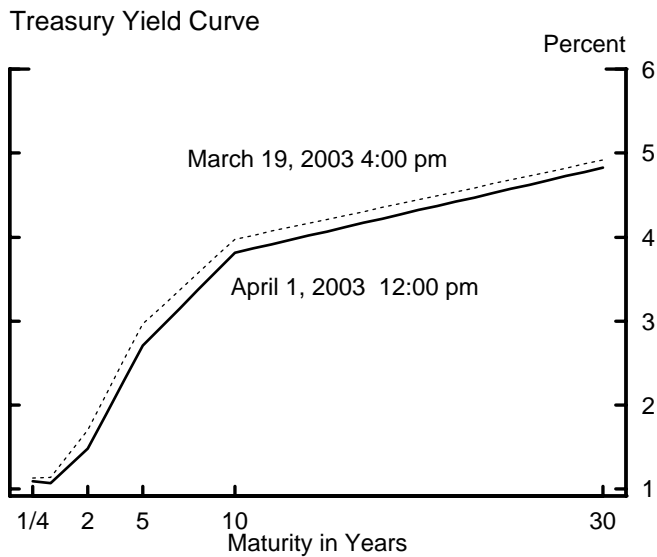
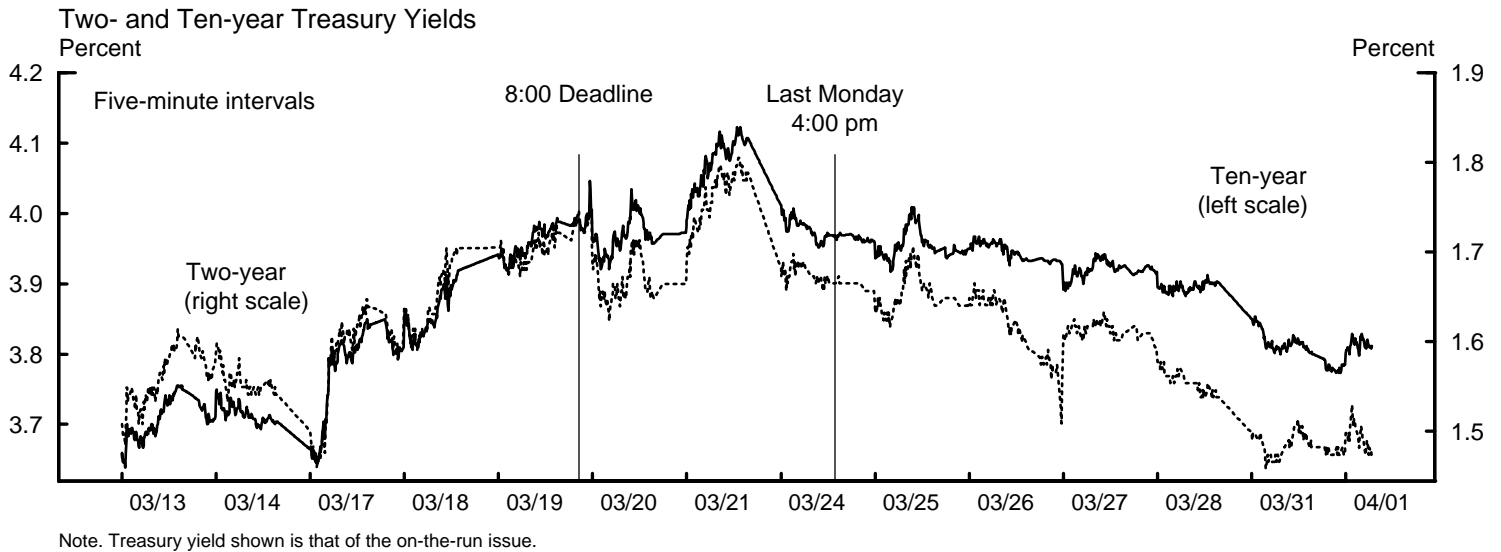


Appendix 1: Materials used by Mr. Reinhart

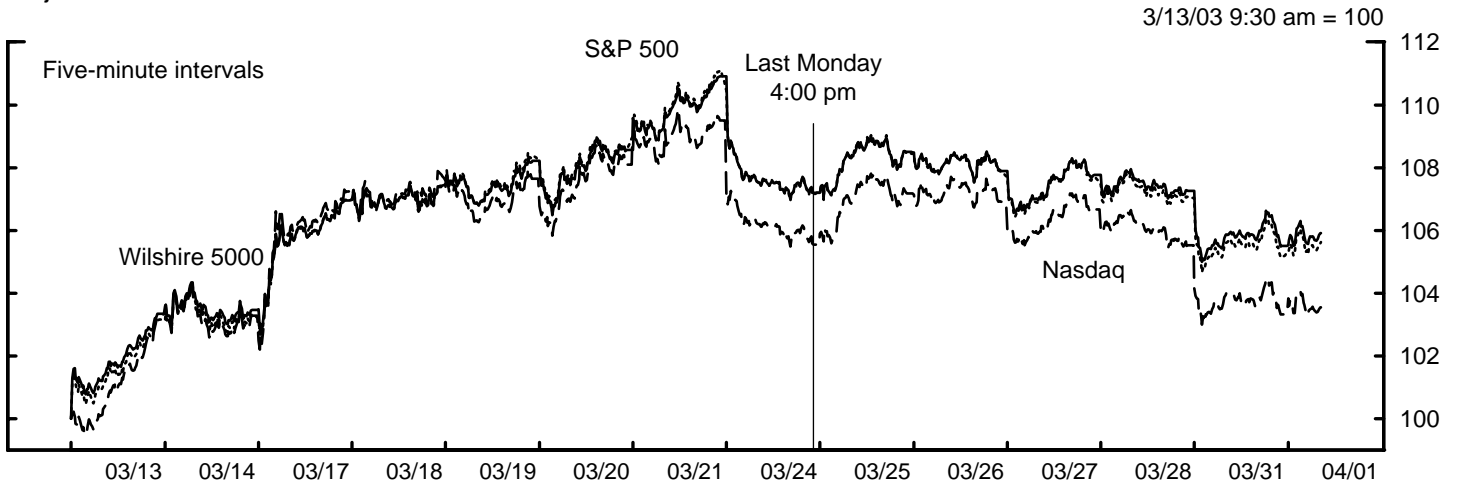


Selected Treasury Yields

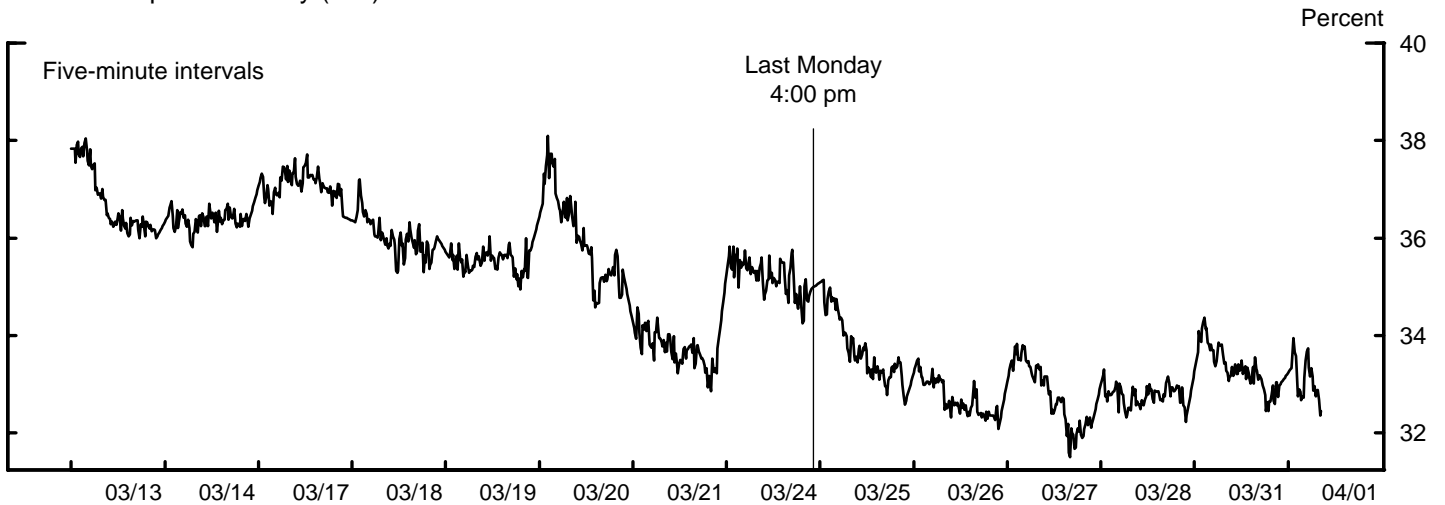
	Today 4/1/03*	Wednesday 3/19/03	Change (1)-(2)
Nominal			
-basis points-			
1. Two-year	1.48	1.70	-22
2. Five-year	2.71	2.97	-26
3. Ten-year	3.82	3.98	-16
Indexed			
-basis points-			
4. Ten-year	1.94	2.10	-16

* Quotes taken at approximately 12:00 pm.

Major Stock Indexes



S&P 100 Implied Volatility (VIX)

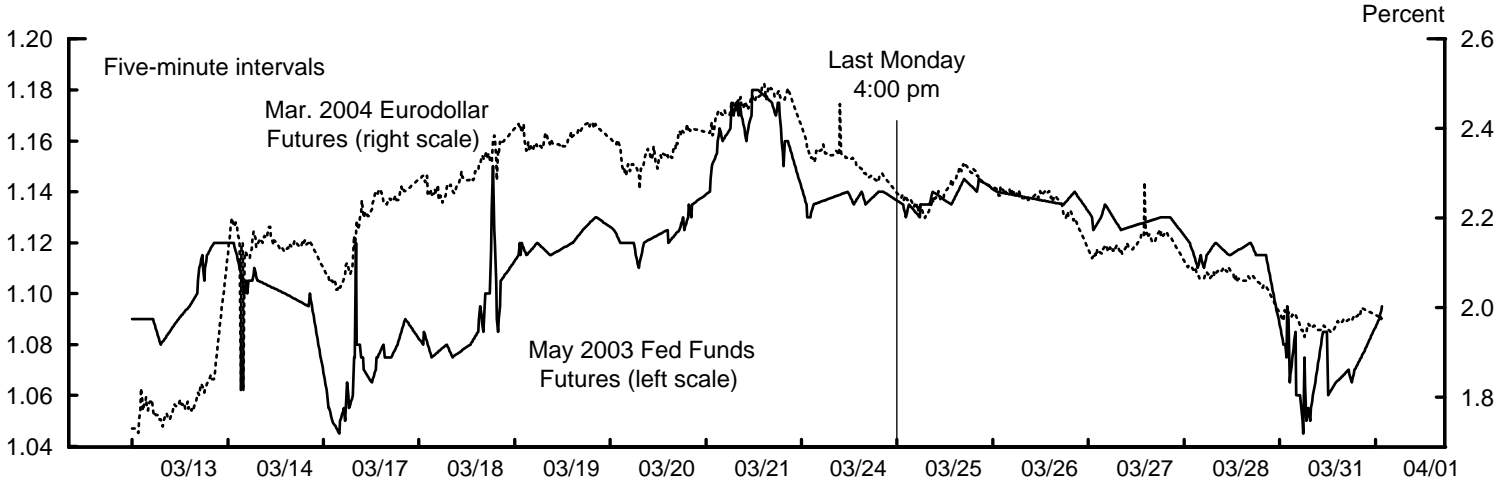


Selected Equity Market Quotes

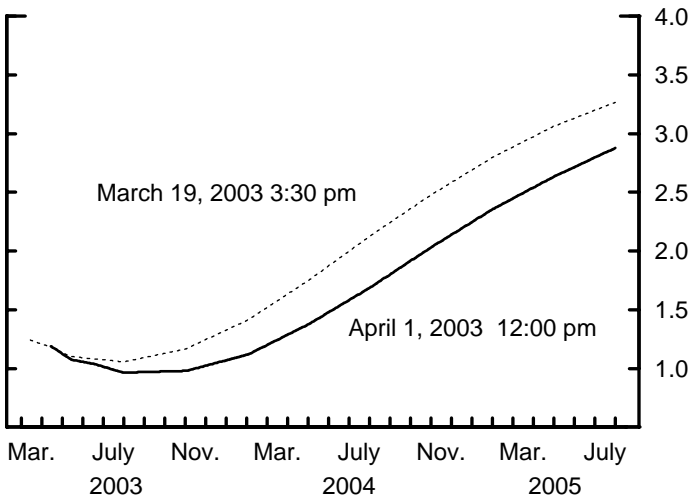
	Today 4/1/03* (1)	Wednesday 3/19/03 (2)	Change (1)-(2)
Major Indexes			
			-percent-
1. Wilshire 5000	8082.23	8258.42	-2.1
2. S&P 500	851.94	874.02	-2.5
3. Nasdaq	1343.92	1397.08	-3.8
Option-Implied Volatility			
			-percentage points-
4. S&P 100 (VIX)	32.45	35.74	-3.29

* Quotes taken at approximately 12:00 pm.

Interest Rate Futures

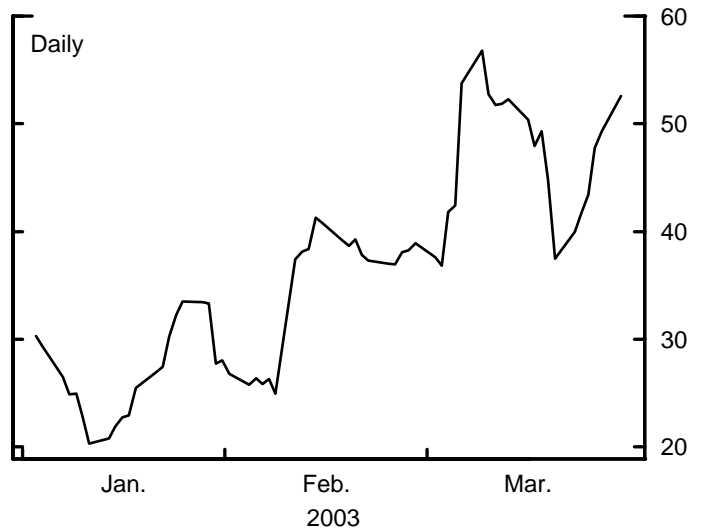


Expected Federal Funds Rates*



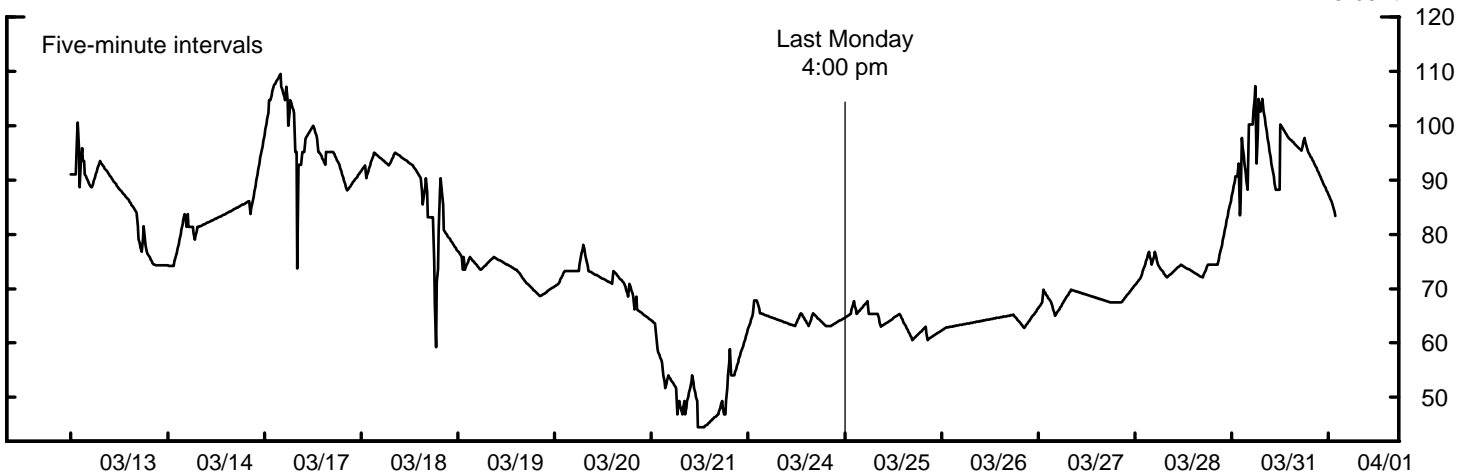
*Estimates from federal funds and eurodollar futures

Short-term Eurodollar Implied Volatility*



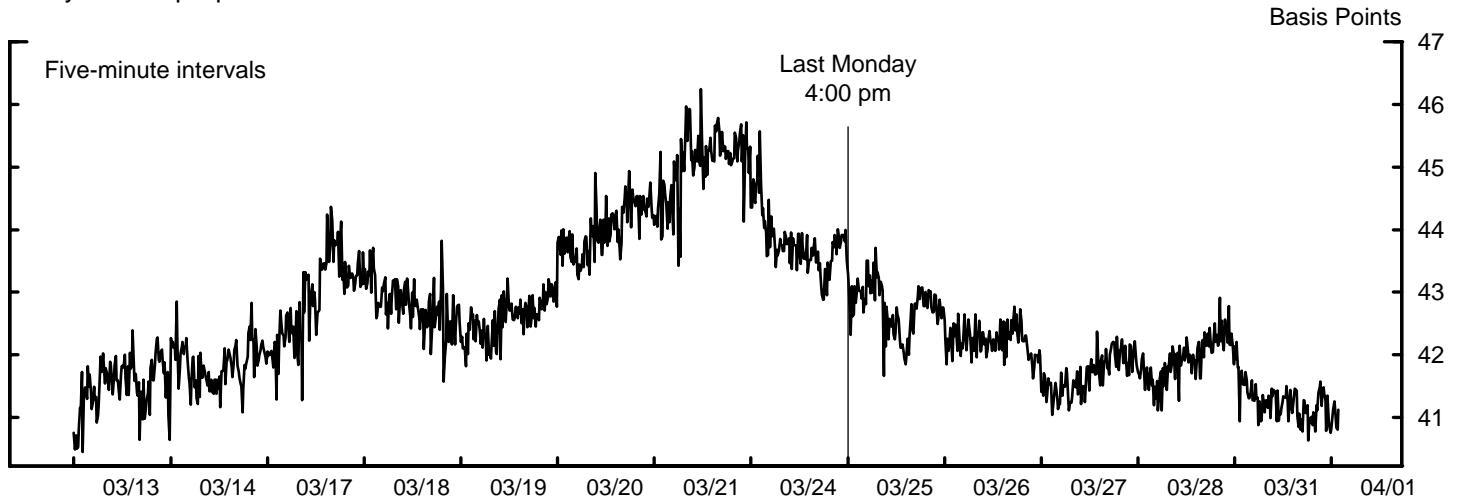
*Contract with approximately 3 months to expiration.

Probability of 1.00% target as opposed to 1.25% target*



*Represents the probability that the target funds rate will be 1.00% following the May 6 FOMC meeting. Calculation based on May 2003 federal funds futures contract.

Ten-year Swap Spread

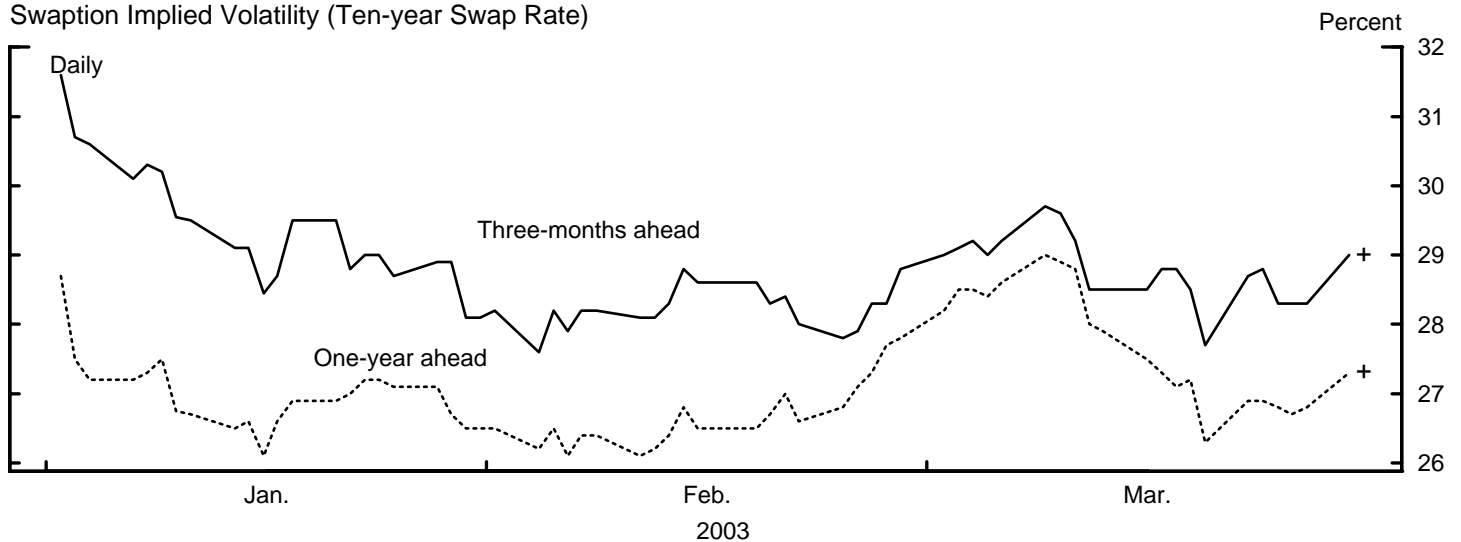


Stock Prices and Credit Default Swap Premia for Selected Financial Intermediaries

	Stock Prices			CDS Premia		
	Today 4/1/03*	Wednesday 3/19/03	Change (1)-(2)	Today 4/1/03*	Wednesday 3/19/03	Change (3)-(4)
	(1)	(2)	(1)-(2)	(3)	(4)	(3)-(4)
			-percent-			-basis points-
1. Bank of America	67.54	69.50	-2.8	28.0	31.0	-3.0
2. Citigroup	35.05	35.46	-1.2	28.0	34.0	-6.0
3. Goldman Sachs	69.07	70.27	-1.7	48.0	56.8	-8.8
4. Lehman Brothers	58.75	59.69	-1.6	43.0	54.2	-11.2
5. Merrill Lynch	35.95	36.74	-2.2	53.0	56.8	-3.8

* Quotes taken at approximately 12:00 pm.

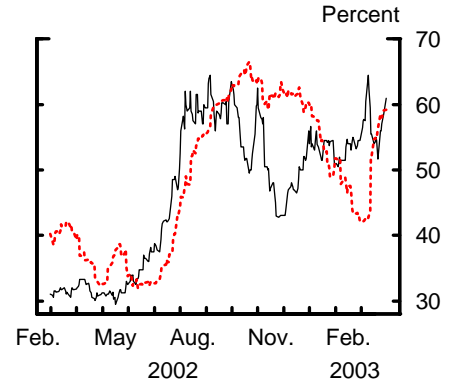
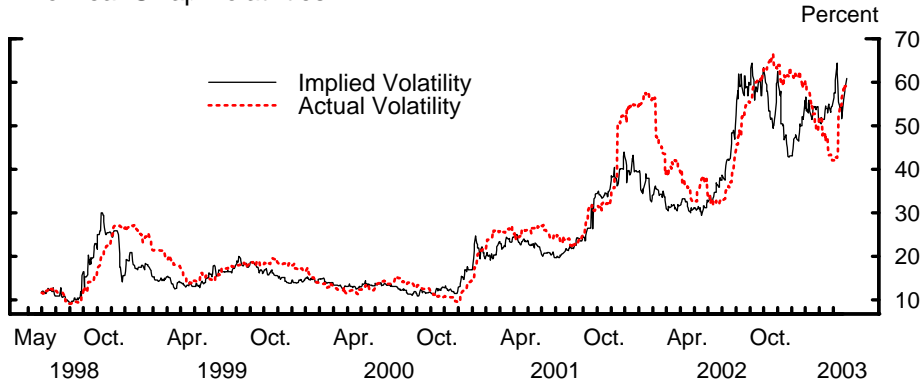
Swaption Implied Volatility (Ten-year Swap Rate)



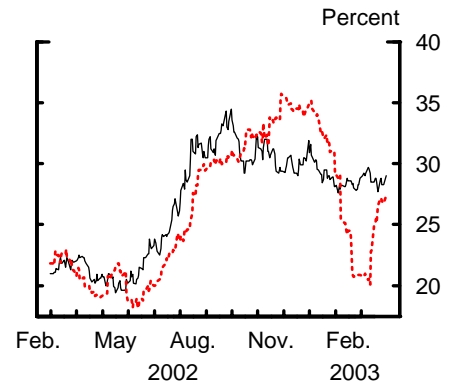
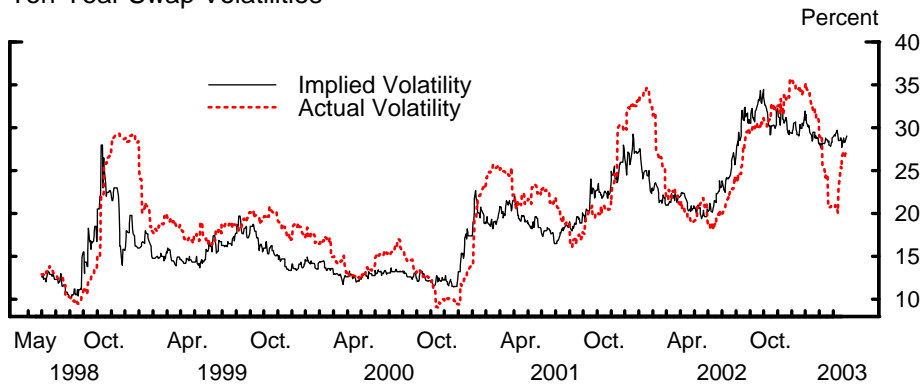
+ denotes today's observation (taken at approximately 12:00 pm).

Exhibit 5 Actual and Implied Volatilities

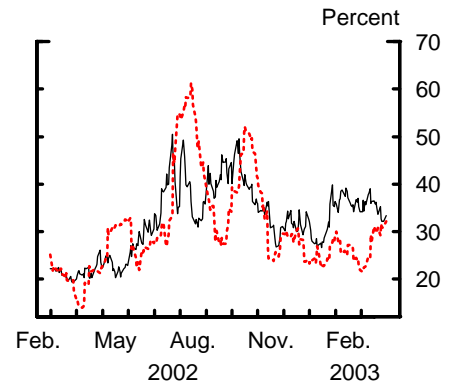
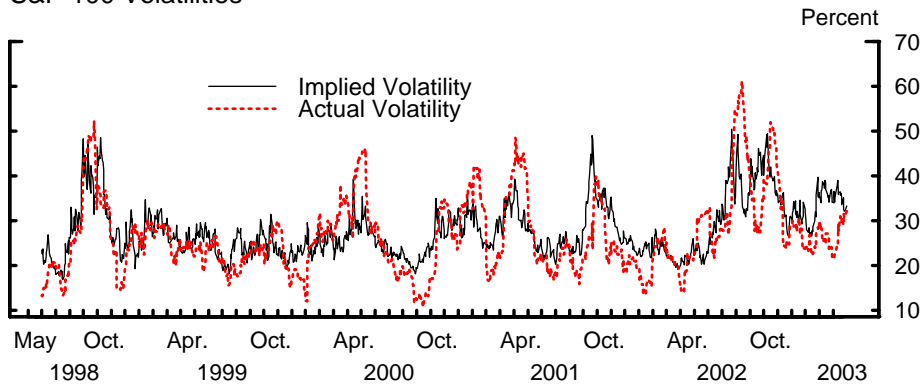
Two-Year Swap Volatilities



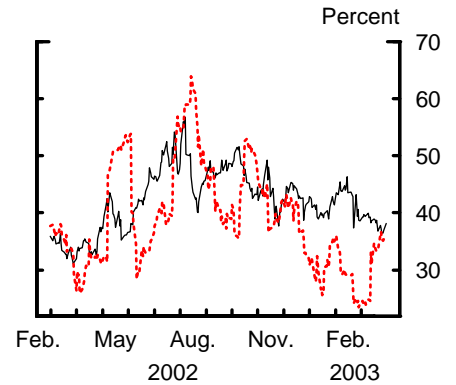
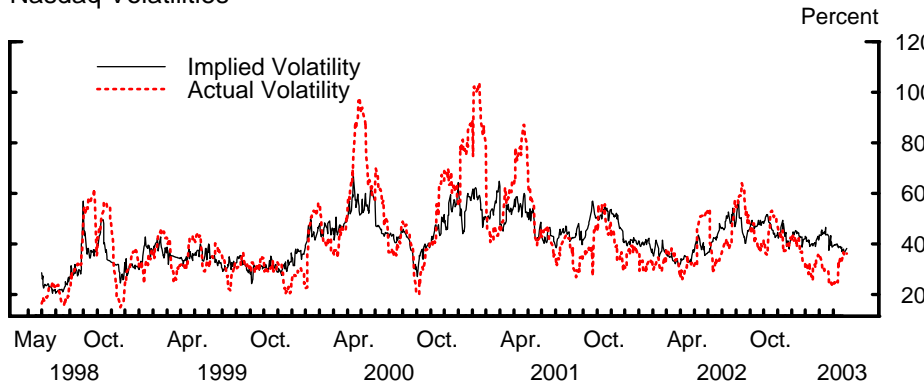
Ten-Year Swap Volatilities



S&P 100 Volatilities

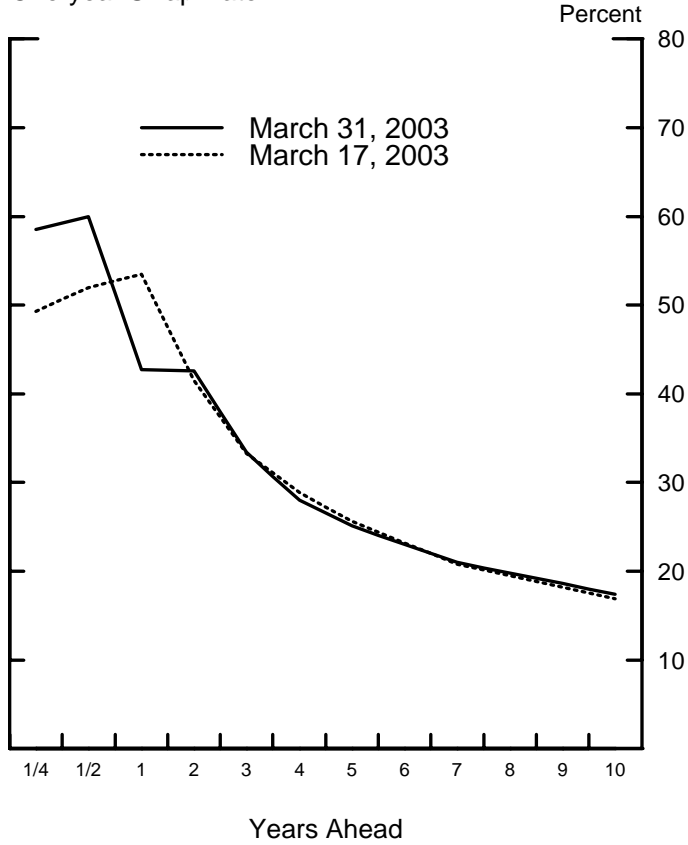


Nasdaq Volatilities

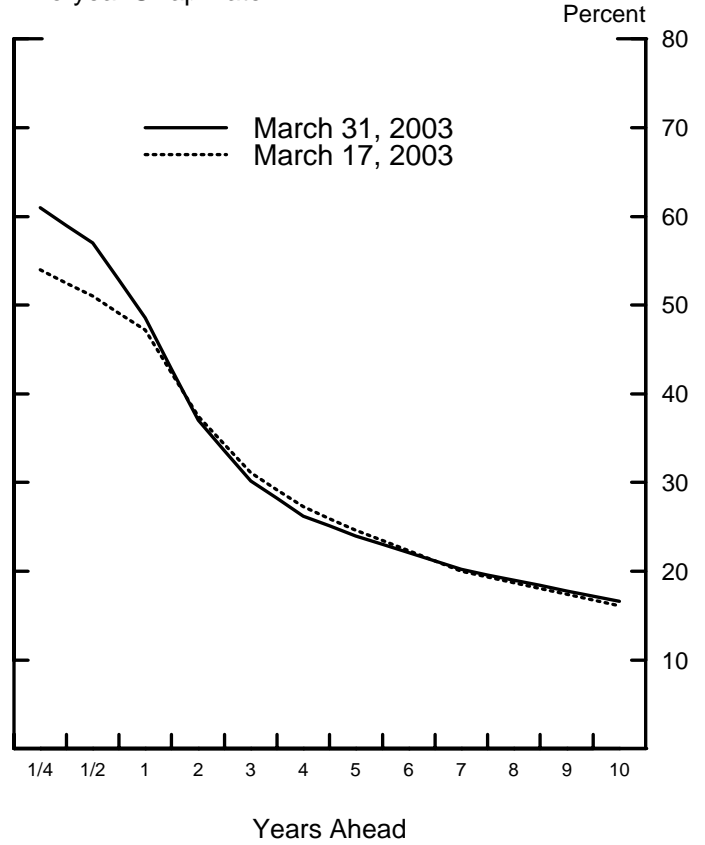


Term Structure of Forward Swap Rate Volatilities* (Annual Yield Volatilities, Percent)

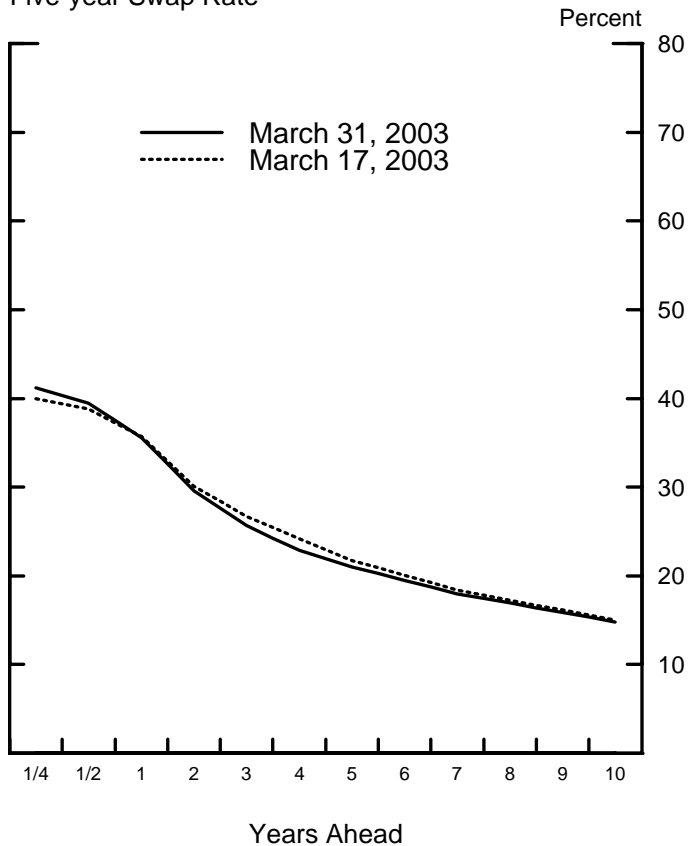
One-year Swap Rate



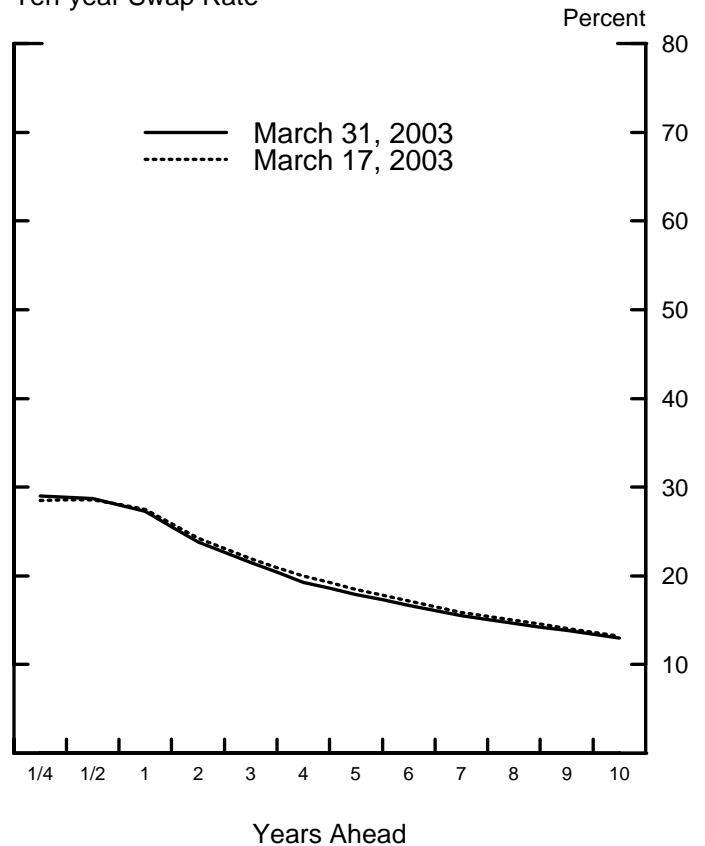
Two-year Swap Rate



Five-year Swap Rate



Ten-year Swap Rate



*Implied by swaptions

Appendix 2: Material used by Ms. Johnson

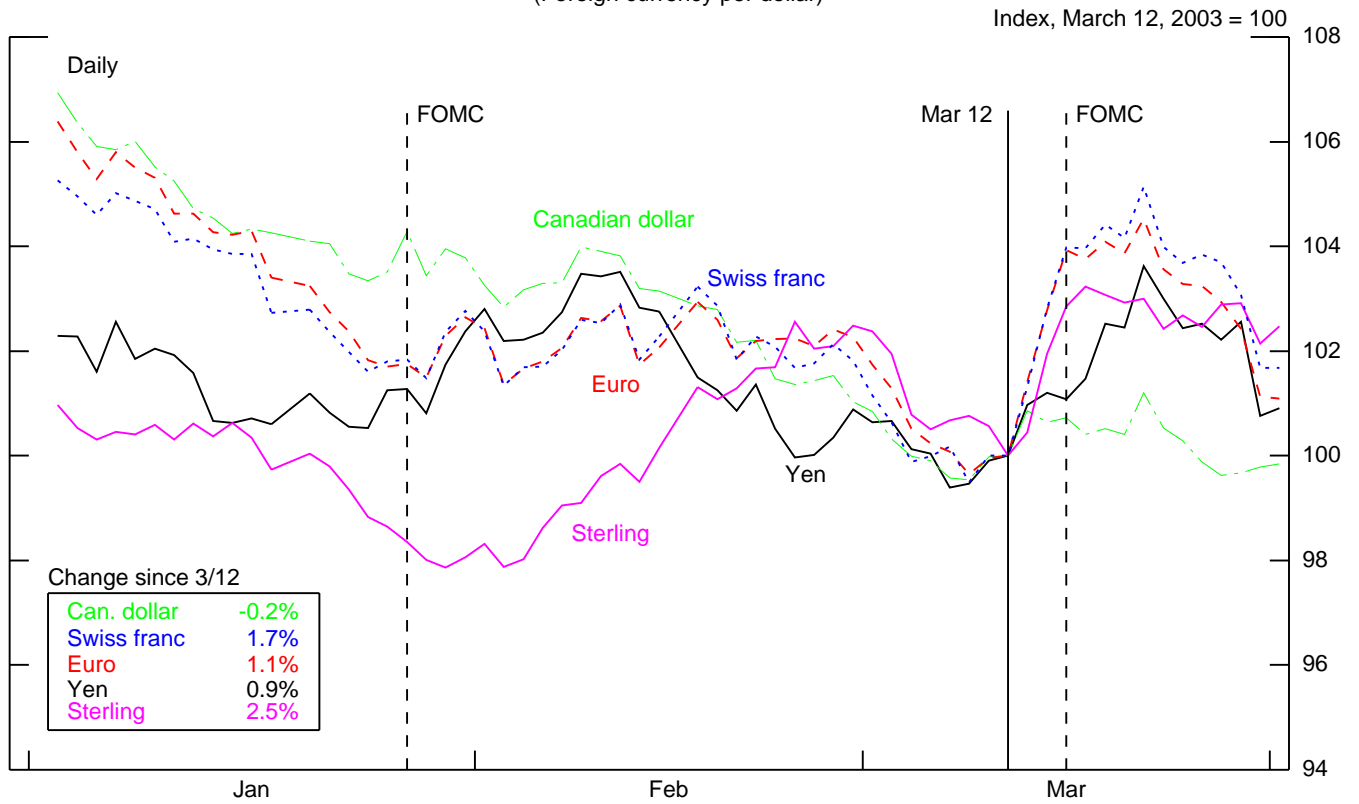
STRICTLY CONFIDENTIAL (FR) CLASS II-FOMC

Recent Developments in International Financial Markets

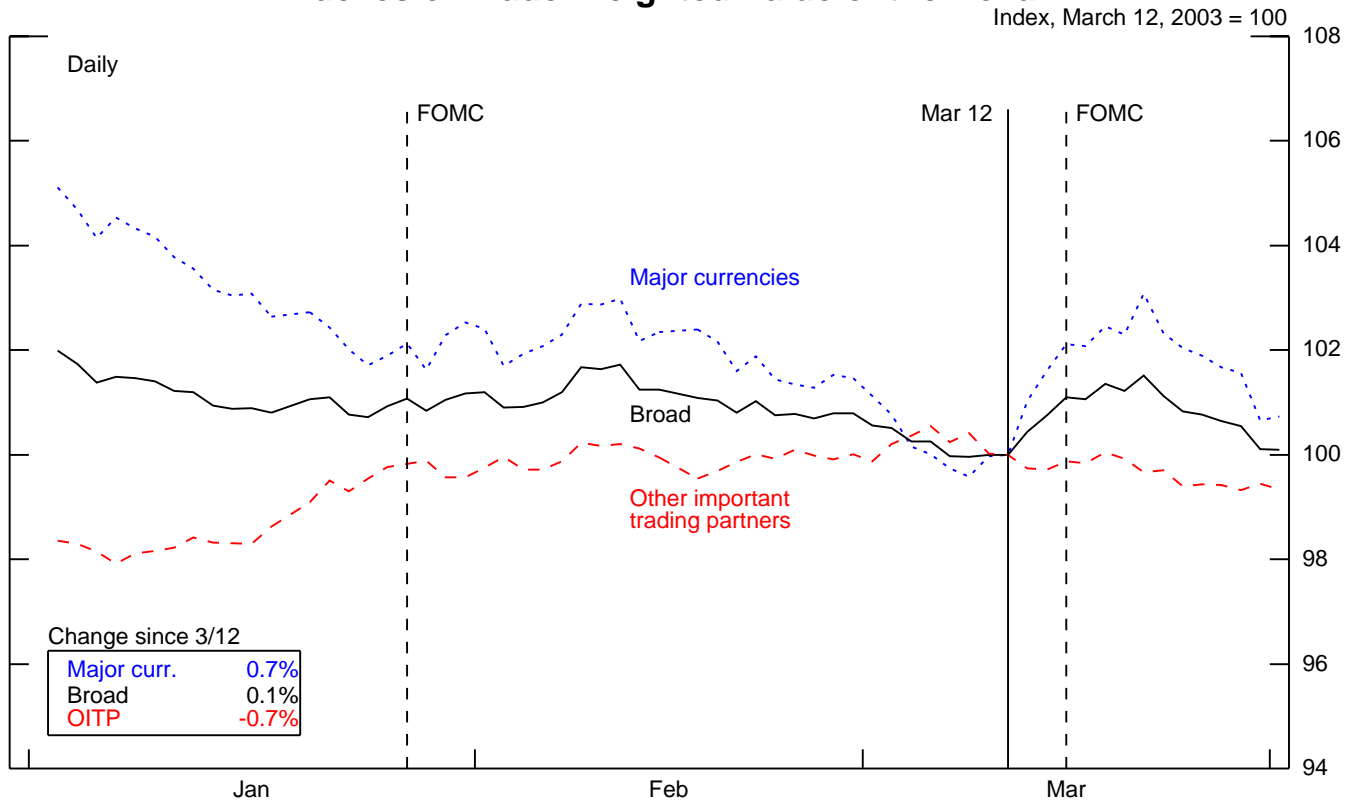
April 1, 2003

Note: Data for April 1 are as of 10 a.m. EST.

Selected Exchange Rates (Foreign currency per dollar)

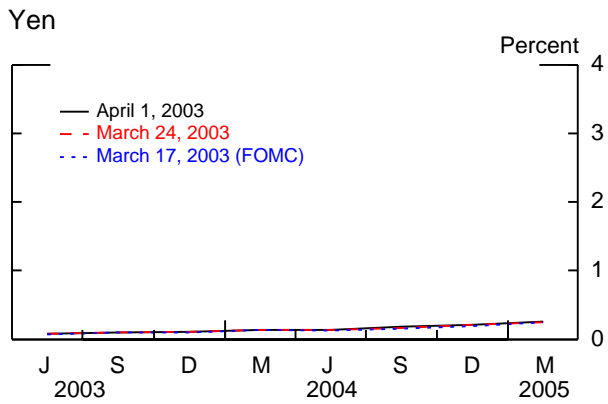


Indexes of Trade-Weighted Value of the Dollar

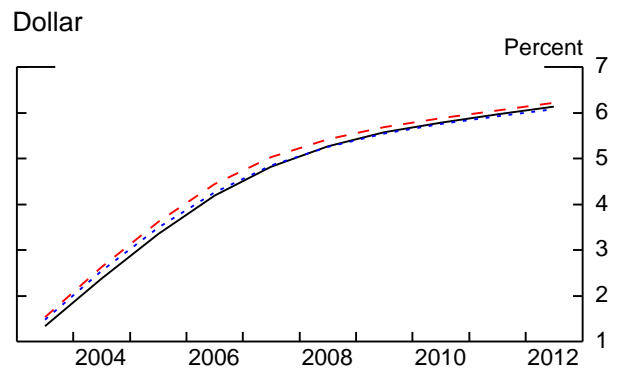
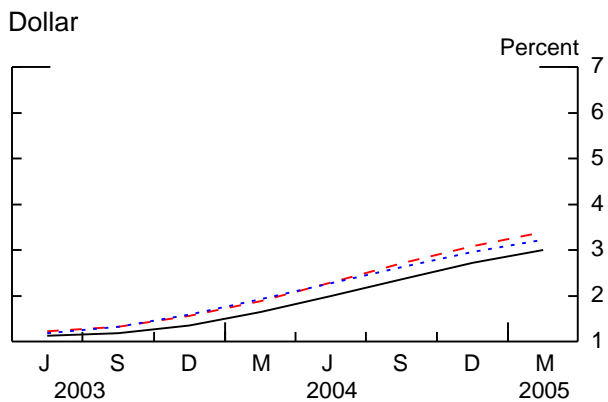
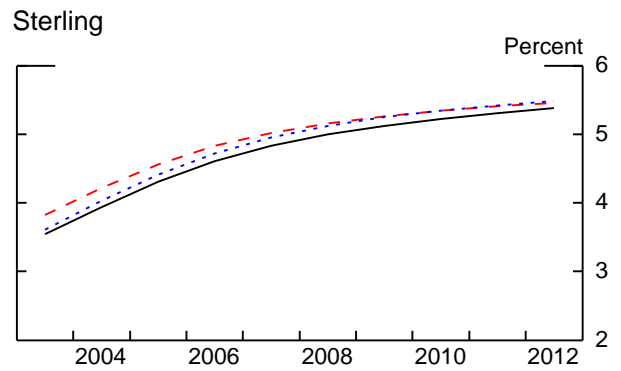
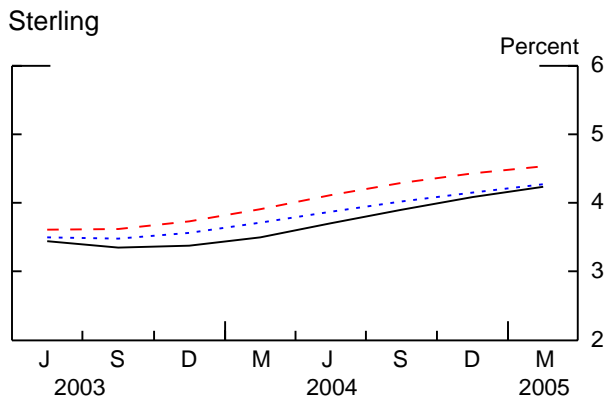
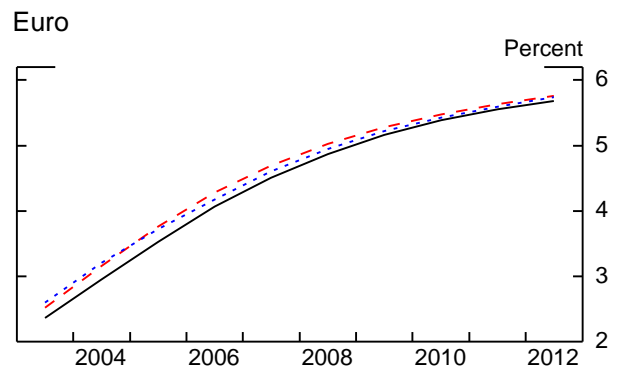
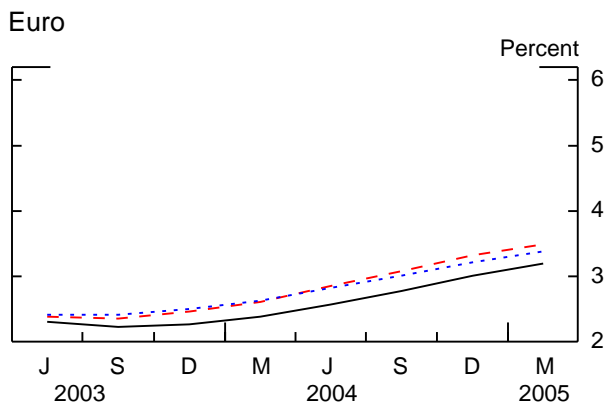
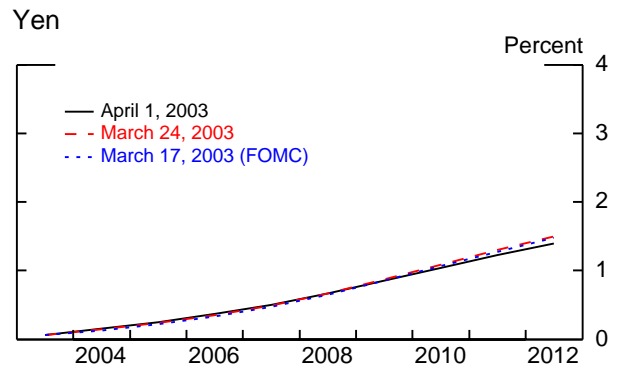


Selected Yield Curves

3-Month Eurocurrency Futures Rates



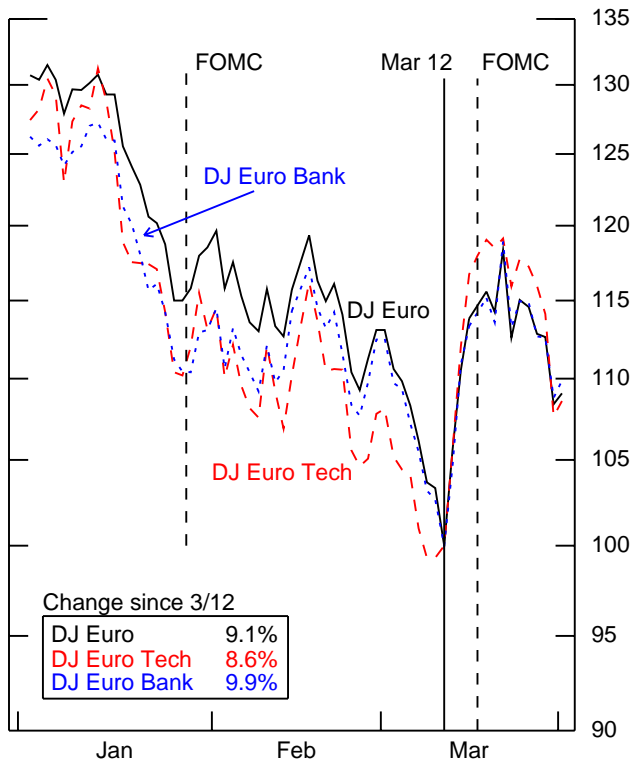
1-Year Forward Rates Derived From Swaps



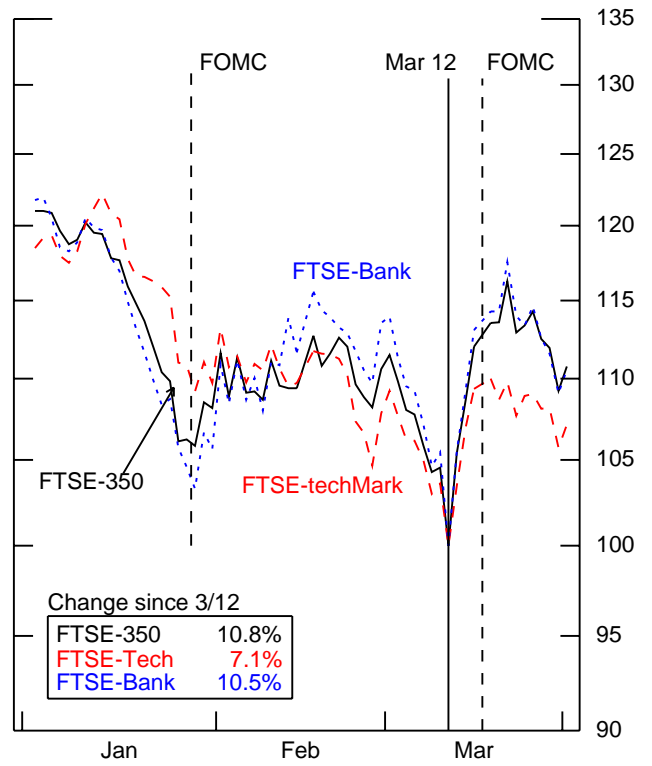
Stock Market Indexes

(Ratio scale, Index, March 12, 2003 = 100, daily data)

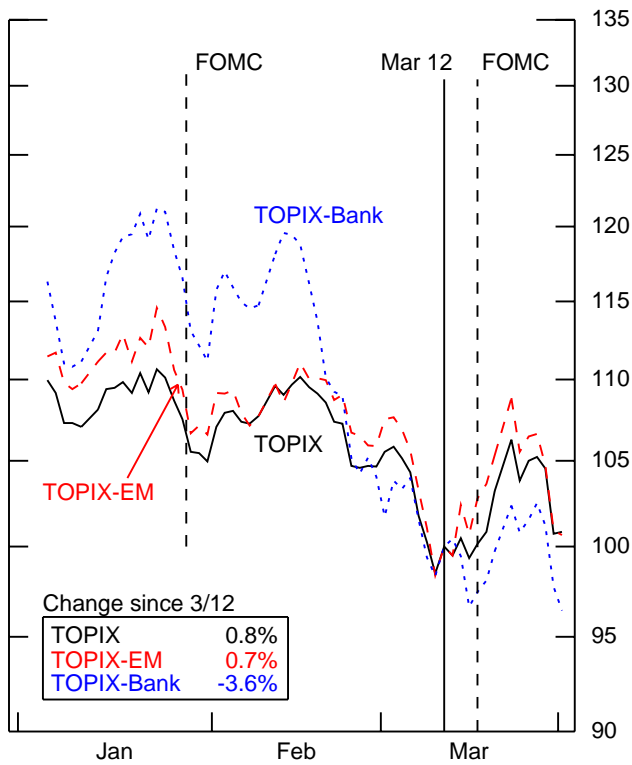
Euro Area



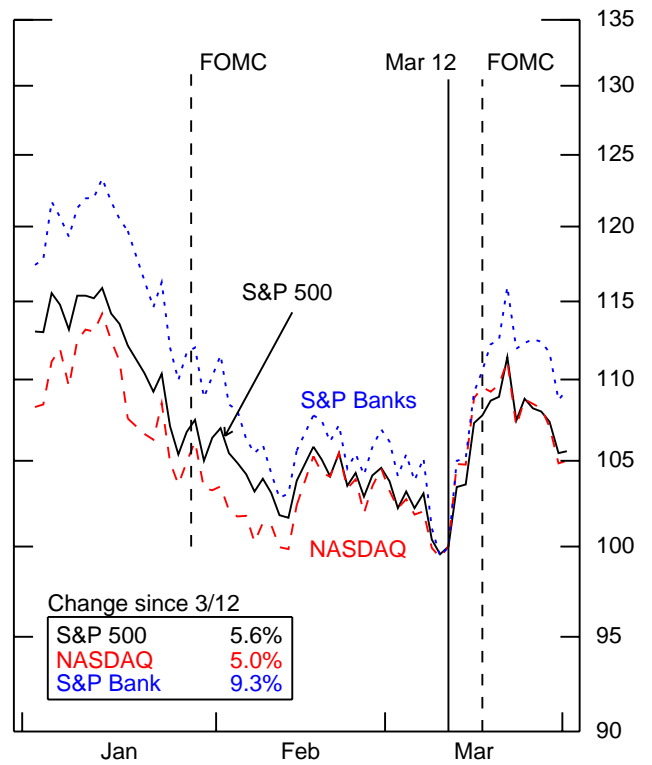
United Kingdom



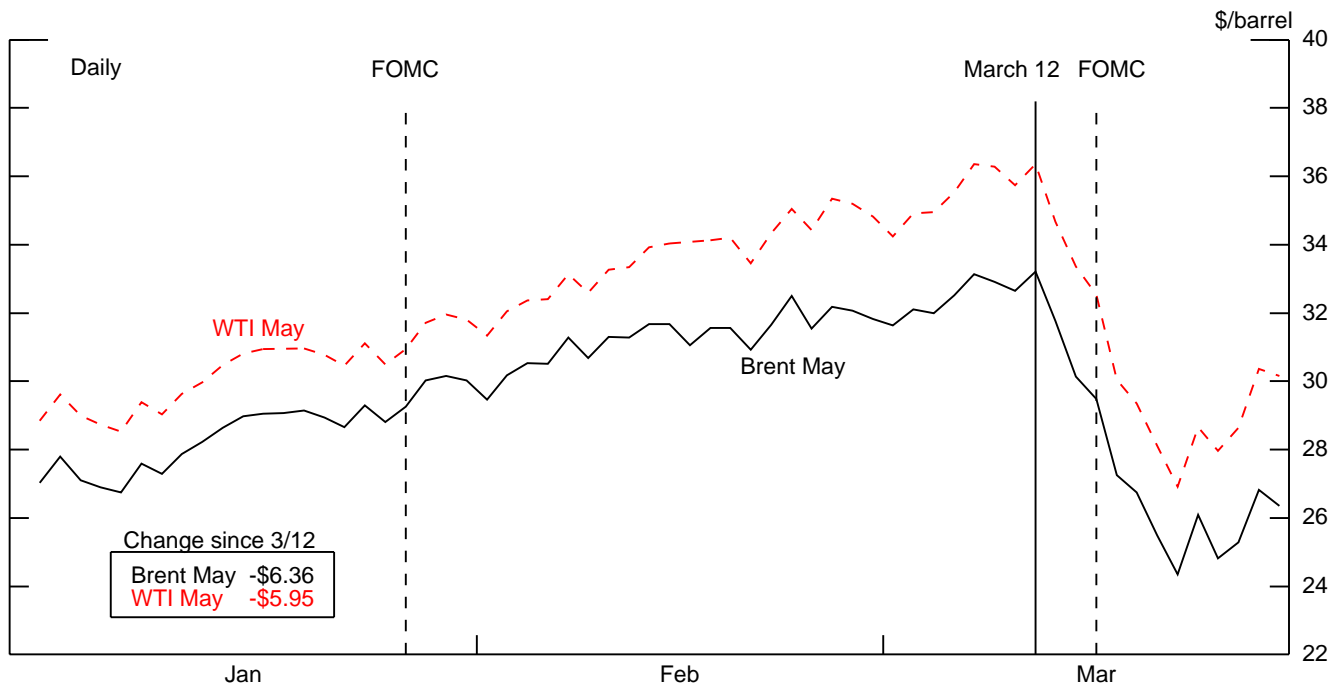
Japan



United States

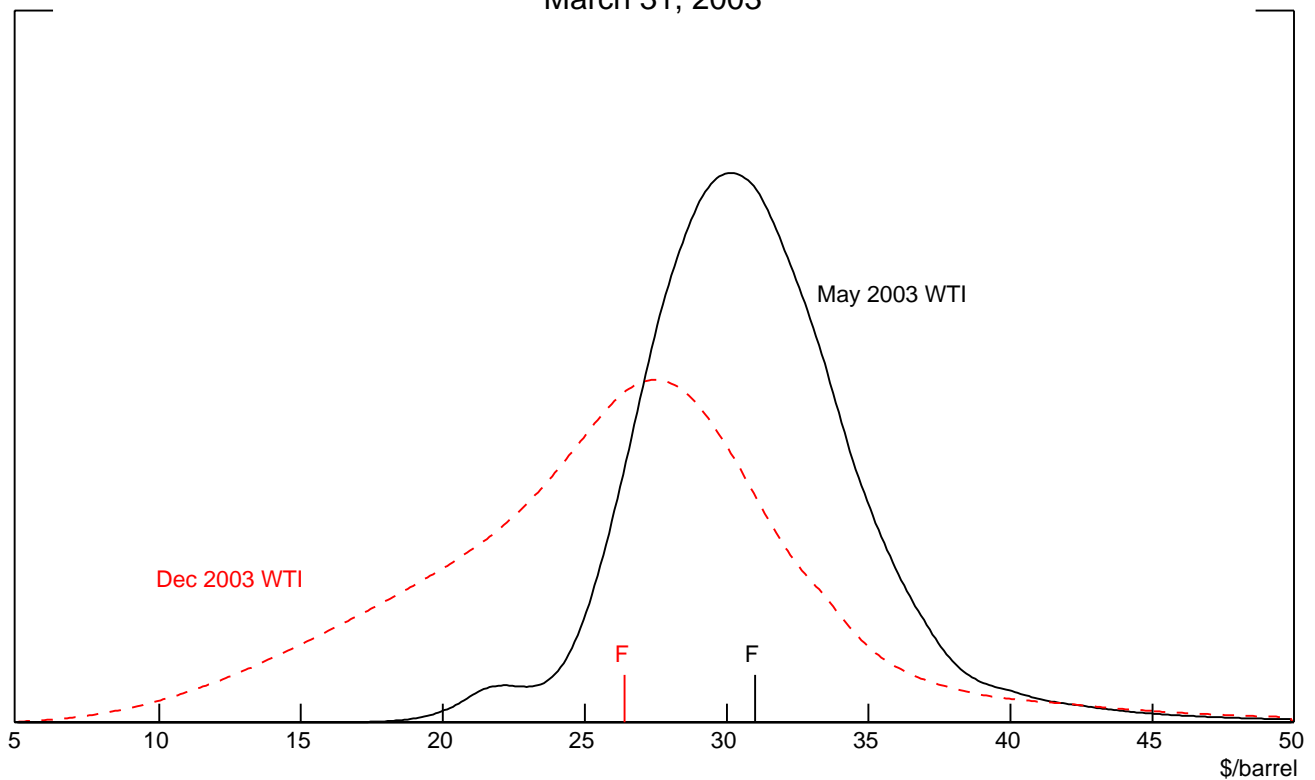


Crude Oil Futures Prices



Implied Distributions from Oil Futures Options

March 31, 2003



	Futures	Implied Volatility	2/3 Bounds	Skew1	Skew2
May 2003 Contract	31.0	62.60	[27.49,34.23]	+0.24	+0.01
Dec 2003 Contract	26.4	31.88	[19.55,31.65]	-0.72	-0.18

Appendix 3: Materials used by Mr. Stockton

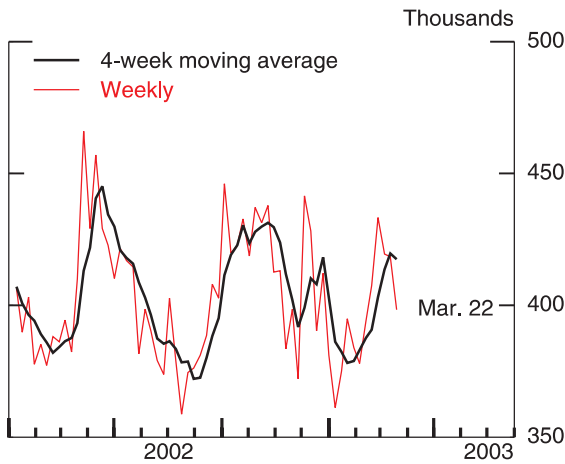
April 1, 2003

NONFINANCIAL DEVELOPMENTS

Chart 1

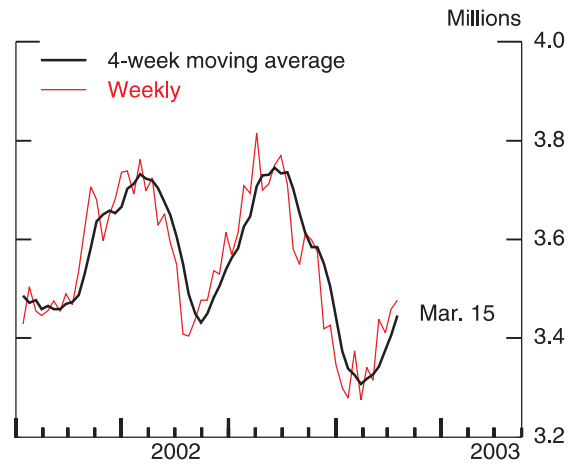
Current Indicators

UI--Initial Claims



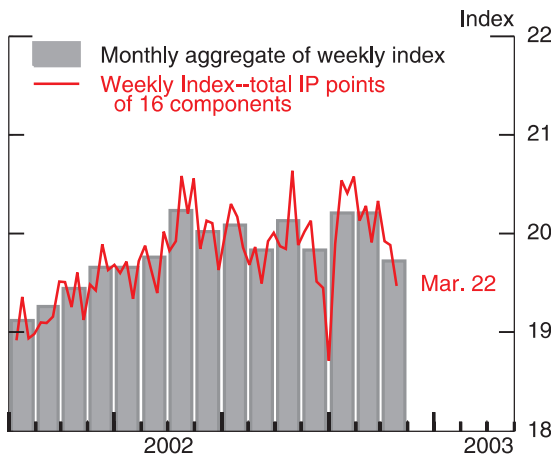
Note. Seasonally adjusted using FRB seasonals.

UI--Insured Unemployment

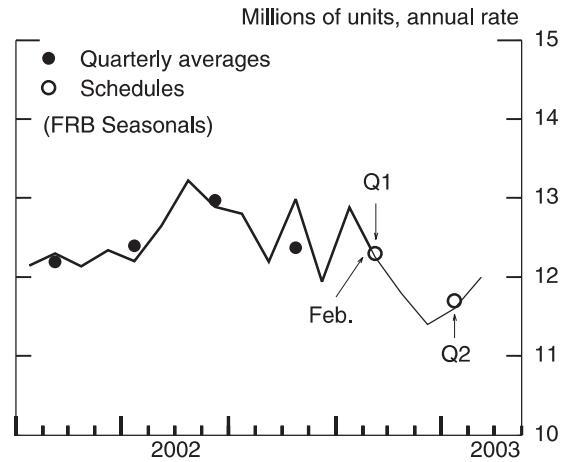


Note. Seasonally adjusted using FRB seasonals.

IP Weekly Production Index

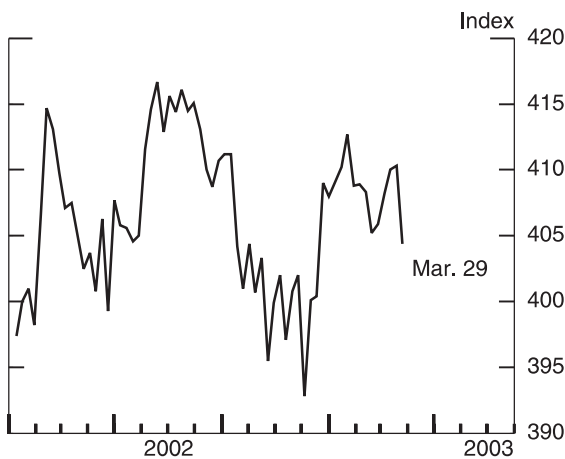


Production of Domestic Motor Vehicles



Note. March through June are schedules.

Chain Store Sales



Source. Bank of Tokyo-Mitsubishi.

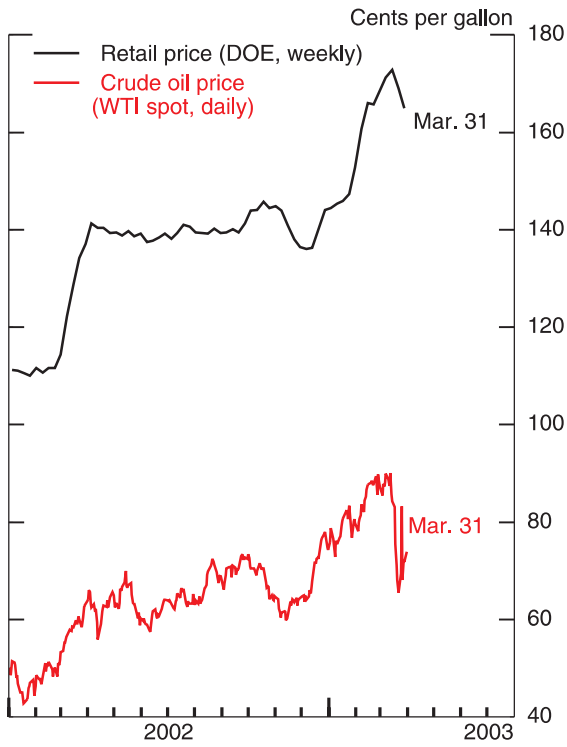
Michigan SRC Survey

	Feb:H2	Mar:H1	Mar:H2
1. Total	81.3	75.0	81.9
2. Current	95.6	87.1	94.8
3. Expected	72.1	67.2	73.6

Chart 2

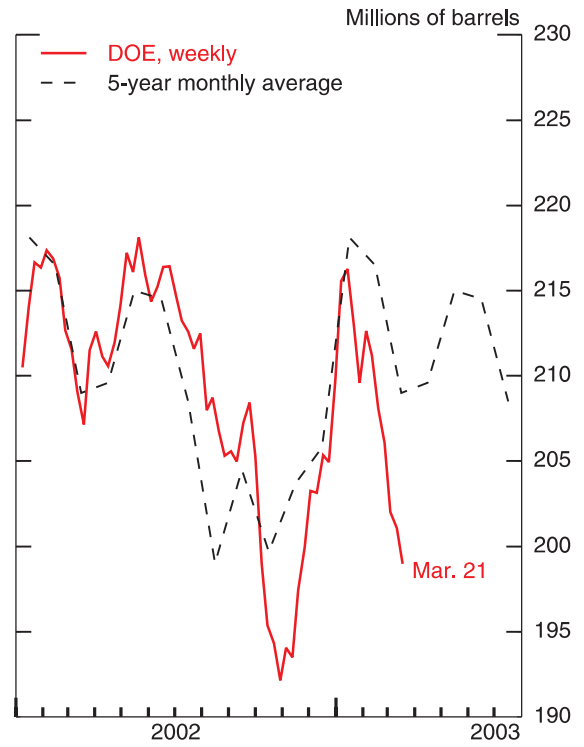
Domestic Energy Markets

Gasoline and Crude Oil Prices



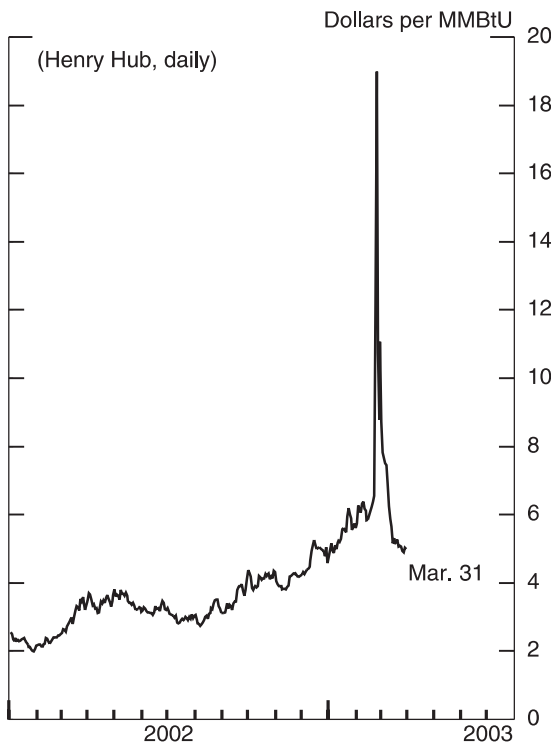
Note. Not seasonally adjusted.

Gasoline Inventories

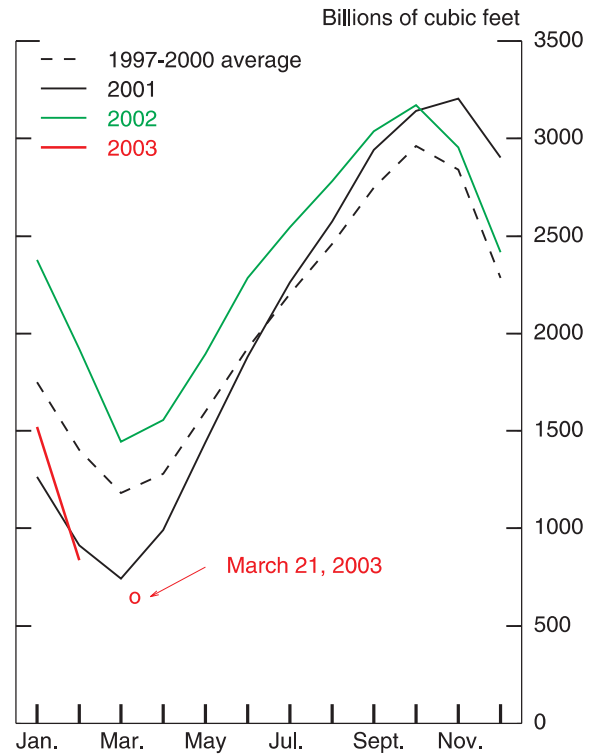


Note. Not seasonally adjusted.

Natural Gas Spot Price



Natural Gas Inventories*



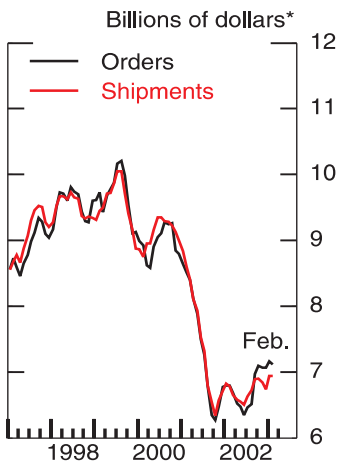
*End of month. Working gas in storage.

New Orders and Shipments of Nondefense Capital Goods

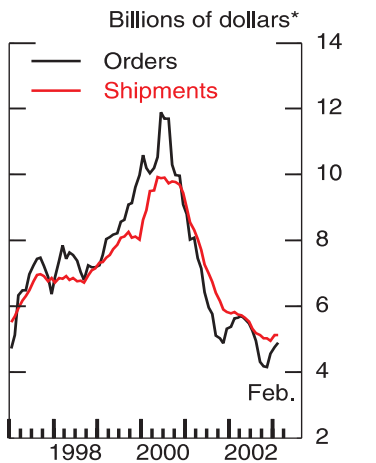
(Percent change from preceding period, seasonally adjusted)

	2002		2002	2003	
	Q3	Q4	Dec.	Jan.	Feb.
Shipments	--- annual rate ---		----- monthly rate -----		
1. Nondefense excl. aircraft	1.5	-6.4	-1.3	3.5	-3.0
2. Computers and peripherals	26.1	-8.6	-3.8	20.0	-13.1
3. Communications equipment	-25.9	-12.6	-5.9	9.4	-2.8
4. All other	2.1	-5.3	-3	.2	-1.2
New Orders					
5. Nondefense excl. aircraft	-6	-1.4	-6	4.3	-2.8
6. Computers and peripherals	45.9	5.4	10.0	1.2	-12.3
7. Communications equipment	-61.5	26.3	-15.0	34.4	-5.5
8. All other	4.5	-5.0	-6	1.8	-7

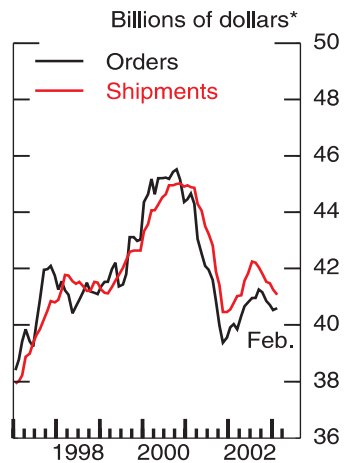
Computers & Peripherals



Communications Equipment

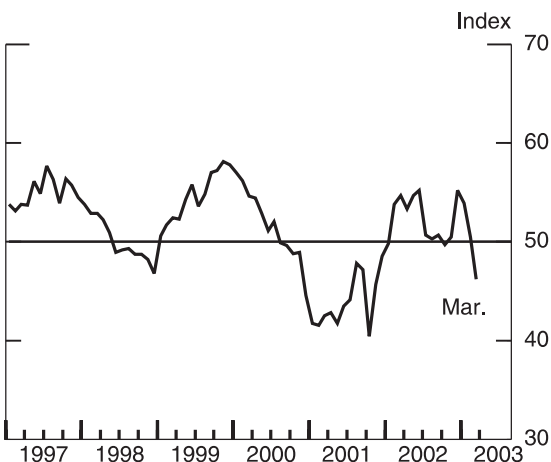


Other Equipment



Note. Three-month moving averages.

ISM Survey--Total



ISM Survey--New Orders

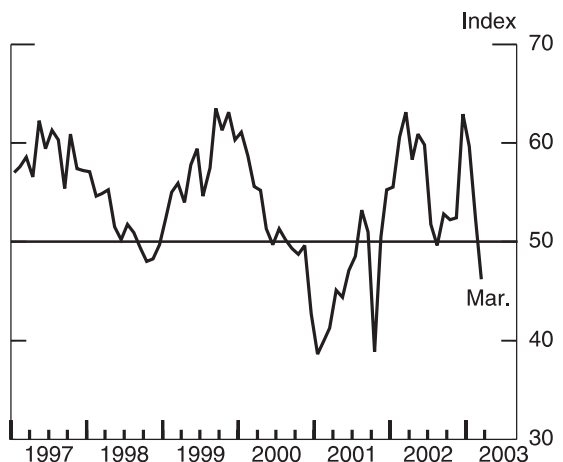


Chart 4

Household Sector

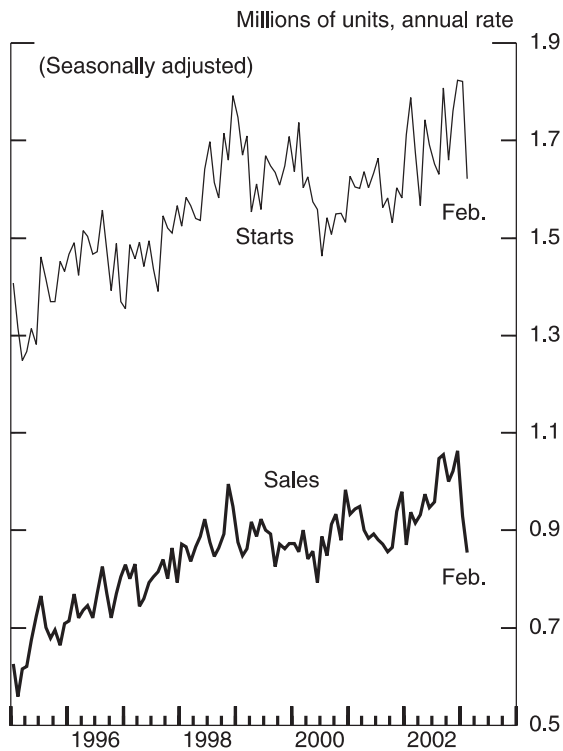
Personal Consumption Expenditures

(Percent change; seasonally adjusted)

	2002		2002	2003	
	Q3	Q4	Dec.	Jan.	Feb.
	--- annual rate ---		----- monthly rate -----		
1. Real PCE	4.2	1.7	1.0	-.2	-.4
2. New autos and trucks	76.4	-34.3	24.0	-13.5	-4.4
3. Excluding new autos and trucks	2.2	3.4	.2	.3	-.3
4. Real DPI	1.8	2.4	.3	.2	-.2
<i>Memo:</i>					
5. Personal saving rate ¹	3.5	3.8	3.4	3.8	4.0
6. Core PCE prices	1.8	1.5	.1	.0	.1

1. Percent.

New Home Sales and Starts



Existing Home Sales

