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# National Economic Trends

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April 1988

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Unemployment has declined from 7 percent of the civilian labor force in 1986 to 5.6 percent in March. This drop has raised concern among analysts who believe that if the unemployment rate falls below its "natural" level, inflation will accelerate. There is no consensus on the level of this natural rate or whether it has such inflationary implications; moreover, it is doubtful that unemployment has fallen to the natural rate yet.

In the fourth quarter of 1987, the unemployment rate was 5.9 percent, a level last seen in the fourth quarter of 1979. The rate can be broken down into the natural rate and a cyclical (or transitory) component. In 1979, the Council of Economic Advisers suggested that the natural rate of unemployment was about 5 percent and that it was unusually high principally because the share of relatively inexperienced young people (aged 16 to 24) in the labor force had boomed to about 24 percent from a previous low of about 15 percent in 1954-55. Since late 1979, the situation has changed markedly. The number of labor force participants aged 16 to 24 has fallen from 25.4 to 22.7 million, sending their labor force share tumbling to 18.8 percent. Thus, the cyclical component of today's 5.9 percent unemployment rate is higher, and the natural rate component lower, than was the case in 1979.

One way to measure the effect of the higher youth share on the unemployment rate in 1979 uses a "fixed-weight unemployment rate" to compare the unemployment rate then with now. Weighting each group's (16 to 24, and 25 and over) unemployment rate by its share of the labor force today results in a 5.9 percent rate today, but a 5.5 percent rate in 1979. Thus, according to this procedure, nearly half a percentage point of the 5.9 percent rate in 1979 was due to the higher youth share of the labor force. This result also suggests that the natural rate of unemployment has declined by about a half-point since 1979.

Other factors could have raised the natural rate since 1979, like increased unemployment insurance benefits or coverage, higher real minimum wages or other employment restrictions, higher marginal tax rates and structural changes in the composition of the nation's output or its skill mix. Most of these factors moved in the opposite direction, however. Thus, concern that the recent decline in unemployment poses an inflation threat is unwarranted, although other sources of such a threat may not be so benign.

— John A. Tatom



**TOTAL CIVILIAN EMPLOYMENT  
COMPOUNDED ANNUAL RATES OF CHANGE**

TERMINAL MONTH	INITIAL MONTH																			THOUSANDS OF PERSONS
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	0.1																			110,047
10-86	0.9	1.6																		110,194
11-86	1.5	2.3	2.9																	110,457
12-86	1.7	2.2	2.5	2.2																110,657
1-87	2.1	2.7	3.0	3.1	3.9															111,014
2-87	2.4	2.9	3.2	3.3	3.8	3.6														111,344
3-87	2.2	2.6	2.8	2.7	2.9	2.4	1.2													111,455
4-87	2.4	2.8	2.9	3.0	3.1	2.9	2.5	3.8												111,806
5-87	2.8	3.1	3.4	3.4	3.7	3.6	3.6	4.8	5.8											112,334
6-87	2.5	2.7	2.9	2.9	3.0	2.8	2.6	3.1	2.7	-0.4										112,300
7-87	2.6	2.8	3.0	3.0	3.1	2.9	2.8	3.2	3.0	1.6	3.7									112,639
8-87	2.7	3.0	3.1	3.1	3.3	3.2	3.1	3.5	3.4	2.6	4.1	4.5								113,050
9-87	2.4	2.6	2.7	2.6	2.7	2.5	2.4	2.6	2.3	1.4	2.1	1.2	-1.9							112,872
10-87	2.5	2.7	2.7	2.7	2.8	2.6	2.5	2.7	2.5	1.9	2.5	2.0	0.9	3.7						113,210
11-87	2.5	2.7	2.9	2.8	2.8	2.7	2.6	2.8	2.6	2.1	2.6	2.3	1.6	3.4	3.2					113,504
12-87	2.5	2.7	2.8	2.7	2.8	2.7	2.6	2.7	2.6	2.2	2.6	2.4	1.9	3.1	2.9	2.6				113,744
1-88	2.6	2.8	2.8	2.8	2.9	2.8	2.7	2.9	2.8	2.4	2.8	2.7	2.3	3.4	3.3	3.3	4.1			114,129
2-88	2.6	2.8	2.9	2.9	2.9	2.8	2.8	2.9	2.8	2.5	2.8	2.7	2.4	3.3	3.2	3.2	3.6	3.0		114,409
3-88	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.4	2.2	1.9	2.1	2.0	1.6	2.2	1.9	1.6	1.3	-0.1	-3.2	114,103
8-86 9-86 10-86 11-86 12-86 1-87 2-87 3-87 4-87 5-87 6-87 7-87 8-87 9-87 10-87 11-87 12-87 1-88 2-88																				
INITIAL MONTH																				

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APRIL 1, 1988

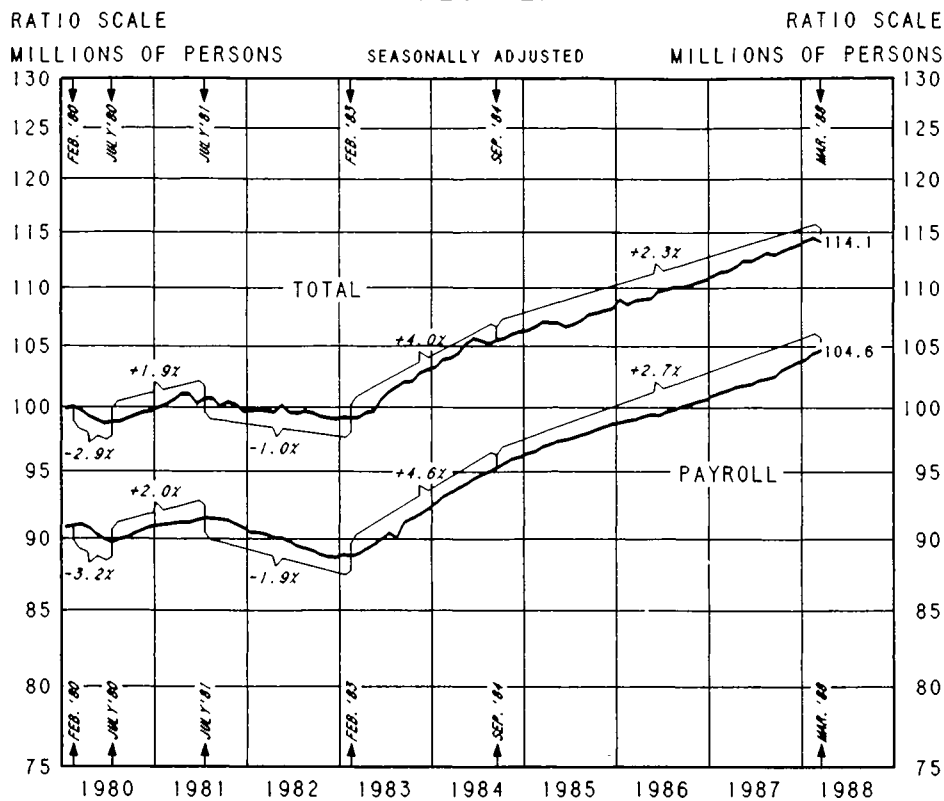
**PAYROLL EMPLOYMENT  
COMPOUNDED ANNUAL RATES OF CHANGE**

TERMINAL MONTH	INITIAL MONTH																			THOUSANDS OF PERSONS
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	3.3																			100,039
10-86	2.7	2.1																		100,209
11-86	2.6	2.3	2.5																	100,415
12-86	2.4	2.1	2.2	1.8																100,567
1-87	2.8	2.7	2.9	3.0	4.3															100,919
2-87	2.8	2.7	2.8	3.0	3.5	2.8														101,150
3-87	2.7	2.6	2.7	2.8	3.1	2.5	2.1													101,329
4-87	2.8	2.7	2.8	2.9	3.1	2.7	2.7	3.2												101,598
5-87	2.6	2.5	2.6	2.6	2.7	2.4	2.2	2.3	1.3											101,708
6-87	2.5	2.4	2.4	2.4	2.5	2.2	2.0	1.9	1.3	1.3										101,818
7-87	2.6	2.5	2.6	2.6	2.7	2.4	2.3	2.4	2.1	2.5	3.7									102,126
8-87	2.5	2.4	2.5	2.5	2.6	2.3	2.2	2.3	2.0	2.2	2.7	1.8								102,275
9-87	2.5	2.4	2.4	2.4	2.5	2.3	2.2	2.2	2.0	2.2	2.4	1.8	1.9							102,434
10-87	2.8	2.7	2.8	2.8	2.9	2.7	2.7	2.8	2.7	3.0	3.5	3.4	4.2	6.6						102,983
11-87	2.8	2.8	2.8	2.9	3.0	2.8	2.8	2.9	2.9	3.1	3.5	3.4	4.0	5.1	3.6					103,285
12-87	2.9	2.8	2.9	2.9	3.0	2.9	2.9	3.0	3.0	3.2	3.6	3.5	4.0	4.7	3.7	3.9				103,612
1-88	2.9	2.8	2.9	2.9	3.0	2.9	2.9	3.0	2.9	3.1	3.4	3.4	3.7	4.1	3.3	3.2	2.5			103,827
2-88	3.0	3.0	3.1	3.1	3.2	3.1	3.2	3.3	3.3	3.5	3.7	3.8	4.1	4.5	4.0	4.2	4.3	6.1		104,344P
3-88	3.0	3.0	3.1	3.1	3.2	3.1	3.1	3.2	3.2	3.4	3.7	3.7	3.9	4.3	3.8	3.9	3.9	4.6	3.1	104,606P
8-86 9-86 10-86 11-86 12-86 1-87 2-87 3-87 4-87 5-87 6-87 7-87 8-87 9-87 10-87 11-87 12-87 1-88 2-88																				
INITIAL MONTH																				

P- PRELIMINARY

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## EMPLOYMENT



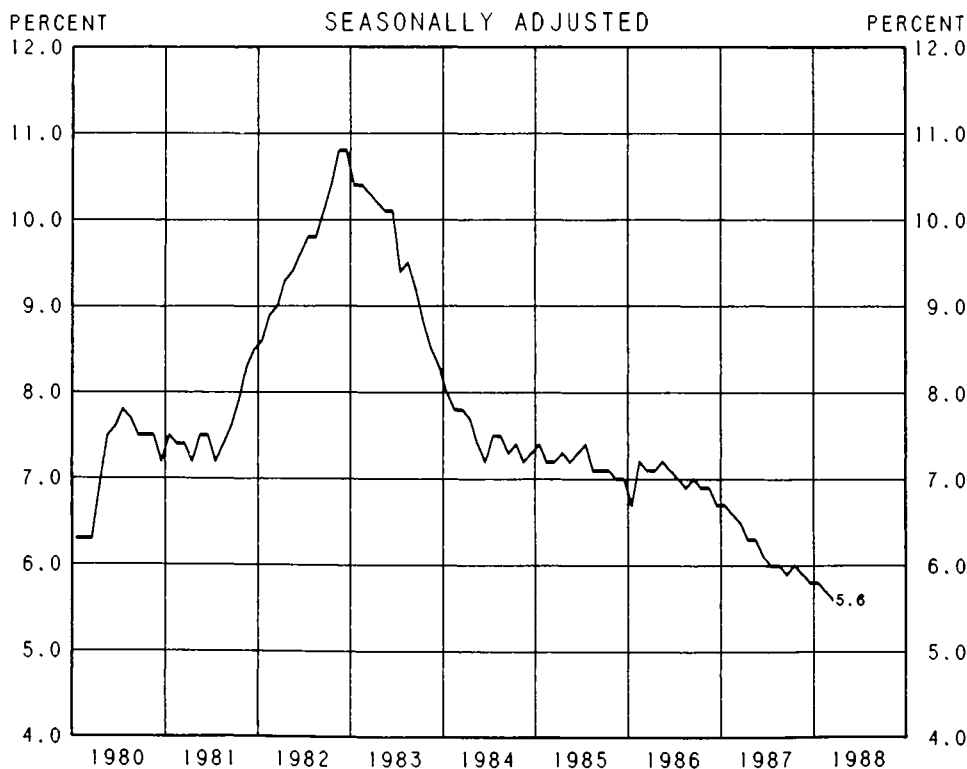
BEGINNING JANUARY 1988, TOTAL EMPLOYMENT DATA INCORPORATE NEW PROCEDURES FOR ESTIMATING MEASURES OF IMMIGRATION AND EMIGRATION INCREASING TOTAL EMPLOYMENT BY ABOUT 0.3%.

PERCENTAGES ARE ANNUAL RATES OF CHANGE FOR PERIODS INDICATED.

LATEST DATA PLOTTED: MARCH PRELIMINARY

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## UNEMPLOYMENT RATE



PERCENT OF CIVILIAN LABOR FORCE

LATEST DATA PLOTTED: MARCH

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS, SEASONALLY ADJUSTED  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL MONTH	INITIAL MONTH																		1982-84=100	
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	3.3																		109.9	
10-86	2.8	2.2																	110.1	
11-86	3.0	2.8	3.3																110.4	
12-86	2.8	2.6	2.9	2.2															110.6	
1-87	4.0	4.2	4.9	5.6	9.0														111.4	
2-87	4.1	4.2	4.7	5.2	6.7	4.4													111.8	
3-87	4.3	4.4	4.9	5.3	6.3	4.9	5.5												112.3	
4-87	4.4	4.6	5.0	5.3	6.1	5.1	5.5	5.5											112.8	
5-87	4.4	4.5	4.9	5.1	5.7	4.9	5.1	4.9	4.3										113.2	
6-87	4.3	4.4	4.7	4.9	5.3	4.6	4.6	4.3	3.8	3.2									113.5	
7-87	4.2	4.3	4.5	4.7	5.0	4.4	4.3	4.1	3.6	3.2	3.2								113.8	
8-87	4.3	4.4	4.6	4.7	5.1	4.5	4.5	4.3	4.0	3.9	4.3	5.4							114.3	
9-87	4.2	4.3	4.5	4.6	4.9	4.3	4.3	4.1	3.9	3.8	3.9	4.3	3.2						114.6	
10-87	4.2	4.3	4.5	4.6	4.8	4.3	4.3	4.2	3.9	3.9	4.0	4.3	3.7	4.3					115.0	
11-87	4.1	4.2	4.4	4.4	4.6	4.2	4.2	4.0	3.8	3.7	3.8	4.0	3.5	3.7	3.2				115.3	
12-87	4.0	4.1	4.2	4.3	4.4	4.0	4.0	3.8	3.6	3.5	3.6	3.6	3.2	3.2	2.6	2.1			115.5	
1-88	4.0	4.1	4.2	4.3	4.4	4.0	4.0	3.9	3.7	3.6	3.7	3.7	3.4	3.4	3.2	3.2	4.2		115.9	
2-88	3.2	3.9	4.1	4.1	4.2	3.9	3.8	3.7	3.5	3.4	3.5	3.5	3.2	3.2	2.9	2.8	3.2	2.1	116.1	
3-88	4.0	4.1	4.2	4.3	4.4	4.1	4.0	3.9	3.8	3.7	3.8	3.8	3.6	3.7	3.6	3.7	4.2	4.2	6.4	116.7
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
	INITIAL MONTH																			

INITIAL MONTH

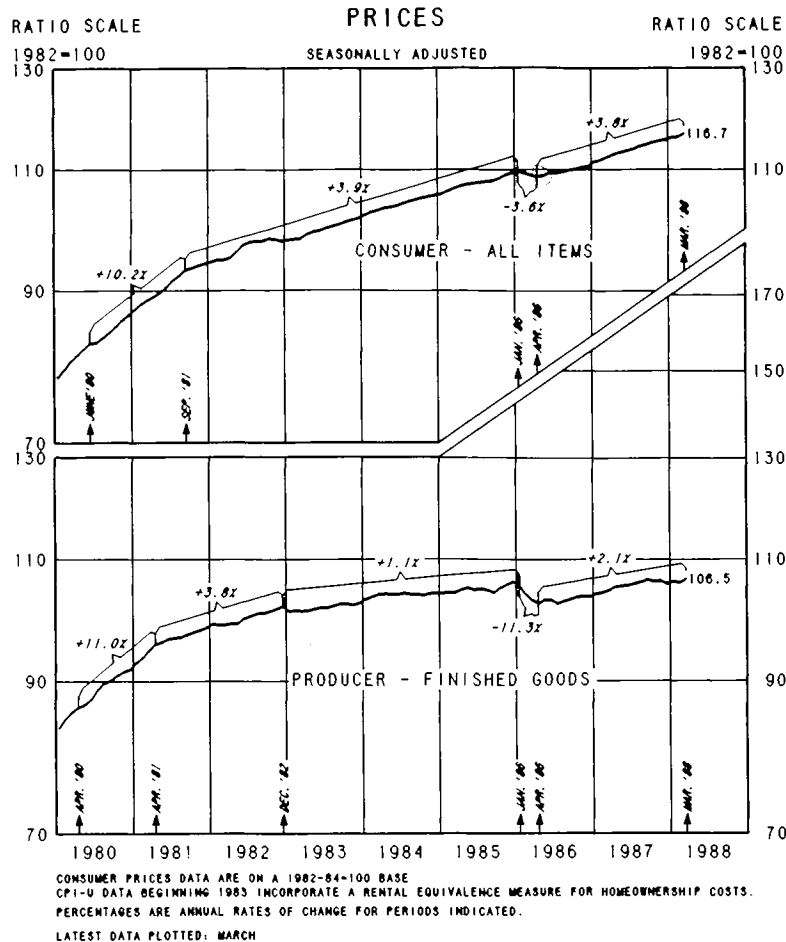
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APRIL 20, 1988

PRODUCER PRICE INDEX, FINISHED GOODS - SEASONALLY ADJUSTED  
COMPOUNDED ANNUAL RATES OF CHANGE

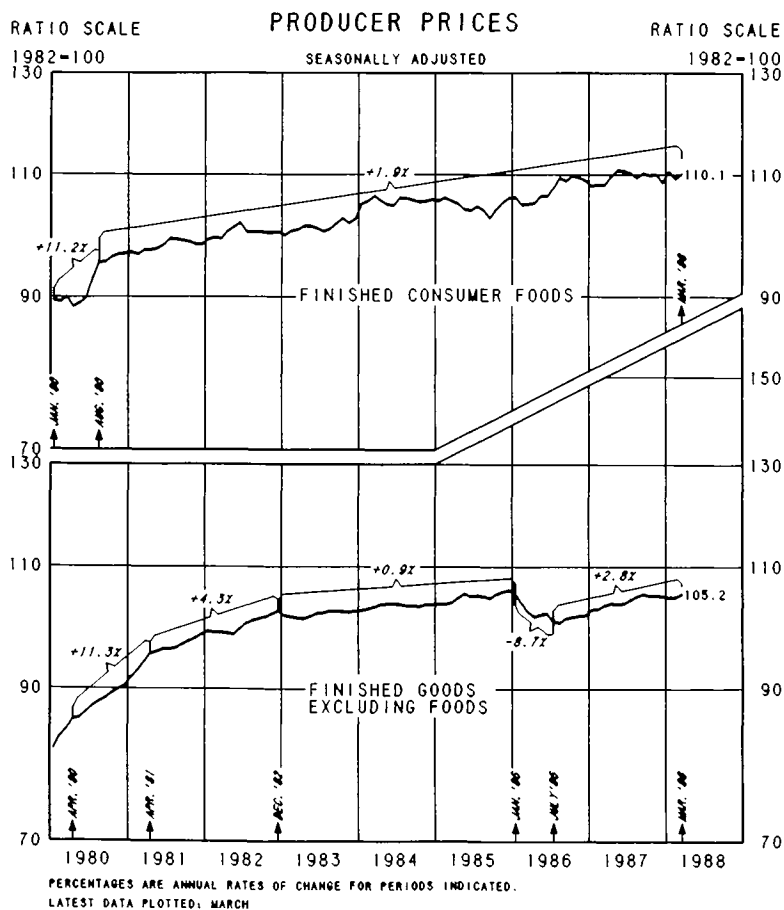
TERMINAL MONTH	INITIAL MONTH																	1982 = 100		
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	3.6																		103.0	
10-86	4.2	4.8																	103.4	
11-86	3.2	2.9	1.2																103.5	
12-86	2.1	1.6	0.0	-1.2															103.4	
1-87	2.8	2.6	1.9	2.3	6.0														103.9	
2-87	2.7	2.6	2.0	2.3	4.1	2.3													104.1	
3-87	3.0	2.9	2.6	2.9	4.3	3.5	4.7												104.5	
4-87	3.5	3.5	3.3	3.8	5.0	4.7	5.9	7.1											105.1	
5-87	3.4	3.4	3.2	3.5	4.5	4.1	4.7	4.7	2.3										105.3	
6-87	3.2	3.1	2.9	3.2	3.9	3.5	3.8	3.5	1.7	1.1									105.4	
7-87	3.2	3.2	3.0	3.2	3.8	3.5	3.7	3.5	2.3	2.3	3.5								105.7	
8-87	3.2	3.2	3.0	3.2	3.8	3.5	3.7	3.5	2.6	2.7	3.5	3.5							106.0	
9-87	3.3	3.3	3.2	3.4	3.9	3.6	3.8	3.7	3.0	3.2	3.8	4.0	4.6						106.4	
10-87	2.8	2.8	2.6	2.7	3.1	2.8	2.9	2.6	1.9	1.8	2.0	1.5	0.6	-3.3					106.1	
11-87	2.7	2.7	2.5	2.6	3.0	2.7	2.7	2.5	1.8	1.7	1.8	1.4	0.8	-1.1	1.1				106.2	
12-87	2.2	2.1	1.9	2.0	2.2	1.9	1.8	1.5	0.9	0.7	0.6	0.0	-0.8	-2.6	-2.2	-5.5			105.7	
1-88	2.3	2.2	2.1	2.1	2.4	2.1	2.1	1.8	1.3	1.1	1.1	0.8	0.2	-0.8	0.0	-0.6	4.6		106.1	
2-88	2.1	2.0	1.8	1.9	2.1	1.8	1.7	1.5	0.9	0.8	0.7	0.3	-0.2	-1.1	-0.6	-1.1	1.1	-2.2	105.9	
3-88	2.3	2.3	2.1	2.2	2.4	2.1	2.1	1.9	1.5	1.4	1.4	1.1	0.8	0.2	0.9	0.8	3.1	2.3	7.0	106.5
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
	INITIAL MONTH																			

INITIAL MONTH

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APRIL 15, 1988



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PRODUCER PRICE INDEX, FINISHED CONSUMER FOODS - SEASONALLY ADJUSTED  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL MONTH	INITIAL MONTH																		1982 = 100	
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	-5.3																		108.9	
10-86	2.2	10.4																	109.8	
11-86	0.4	3.4	-3.2																109.5	
12-86	-1.4	0.0	-4.8	-6.4															108.9	
1-87	-3.0	-2.5	-6.4	-7.9	-9.5														108.0	
2-87	-2.2	-1.5	-4.3	-4.7	-3.8	2.2													108.2	
3-87	-1.9	-1.3	-3.5	-3.5	-2.5	1.1	0.0												108.2	
4-87	0.3	1.1	-0.4	0.2	1.9	6.1	8.0	16.7											109.6	
5-87	1.7	2.6	1.6	2.4	4.2	8.0	10.0	15.3	14.0										110.8	
6-87	1.4	2.2	1.2	1.9	3.3	6.1	7.1	9.6	6.2	-1.1									110.7	
7-87	0.9	1.5	0.6	1.1	2.2	4.3	4.7	5.9	2.6	-2.7	-4.3								110.3	
8-87	0.1	0.6	-0.3	0.0	0.8	2.4	2.4	2.9	-0.3	-4.6	-6.3	-8.4							109.5	
9-87	0.7	1.2	0.4	0.8	1.6	3.1	3.2	3.7	1.3	-1.6	-1.8	-0.5	7.9						110.2	
10-87	0.4	0.8	0.1	0.4	1.1	2.4	2.4	2.7	0.5	-1.9	-2.2	-1.4	2.2	-3.2					109.9	
11-87	0.4	0.9	0.2	0.5	1.1	2.2	2.2	2.5	0.6	-1.4	-1.5	-0.8	1.8	-1.1	1.1				110.0	
12-87	-0.5	-0.2	-0.9	-0.8	-0.3	0.6	0.4	0.5	-1.4	-3.4	-3.8	-3.7	-2.4	-5.7	-6.9	-14.2			108.6	
1-88	0.7	1.1	0.5	0.3	1.4	2.3	2.3	2.6	1.1	-0.4	-0.3	0.4	2.2	0.8	2.2	2.8	23.1		110.5	
2-88	-0.1	0.3	-0.3	-0.1	0.3	1.1	1.0	1.1	-0.3	-1.8	-1.9	-1.5	-0.4	-1.9	-1.6	-2.5	3.9	-12.3	109.3	
3-88	0.4	0.7	0.2	0.4	0.9	1.7	1.6	1.8	0.5	-0.8	-0.7	-0.3	0.9	-0.2	0.4	0.3	5.6	-2.2	9.1	110.1
8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88		
INITIAL MONTH																				

INITIAL MONTH

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 15, 1988

PRODUCER PRICE INDEX, FINISHED GOODS, EXCLUDING FOODS - SEASONALLY ADJUSTED  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL MONTH	INITIAL MONTH																		1982 = 100	
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	8.7																		101.1	
10-86	5.5	2.4																	101.3	
11-86	4.5	2.4	2.4																101.5	
12-86	3.6	2.0	1.8	1.2															101.6	
1-87	5.1	4.2	4.8	6.1	11.2														102.5	
2-87	4.6	3.8	4.2	4.8	6.7	2.4													102.7	
3-87	5.0	4.4	4.8	5.4	6.9	4.8	7.2												103.3	
4-87	4.8	4.3	4.6	5.0	6.0	4.4	5.4	3.5											103.6	
5-87	4.1	3.6	3.8	4.0	4.5	3.0	3.2	1.2	-1.2										103.5	
6-87	3.8	3.3	3.4	3.6	4.0	2.6	2.7	1.2	0.0	1.2									103.6	
7-87	4.1	3.7	3.8	4.0	4.4	3.3	3.5	2.6	2.3	4.1	7.2								104.2	
8-87	4.4	4.0	4.2	4.4	4.8	3.9	4.1	3.5	3.5	5.1	7.2	7.1							104.8	
9-87	4.4	4.1	4.2	4.4	4.8	4.0	4.2	3.7	3.7	5.0	6.3	5.9	4.7						105.2	
10-87	3.8	3.5	3.6	3.7	3.9	3.1	3.2	2.7	2.5	3.3	3.8	2.7	0.6	-3.4					104.9	
11-87	3.6	3.2	3.3	3.3	3.5	2.8	2.9	2.3	2.2	2.7	3.0	2.0	0.4	-1.7	0.0				104.9	
12-87	3.3	2.9	3.0	3.0	3.1	2.5	2.5	1.9	1.7	2.2	2.3	1.4	0.0	-1.5	-0.6	-1.1			104.8	
1-88	2.9	2.6	2.6	2.6	2.7	2.0	2.0	1.5	1.3	1.6	1.7	0.8	-0.5	-1.7	-1.1	-1.7	-2.3		104.6	
2-88	2.8	2.5	2.5	2.5	2.6	2.0	1.9	1.5	1.3	1.5	1.6	0.8	-0.2	-1.1	-0.6	-0.8	-0.6	1.2	104.7	
3-88	3.0	2.7	2.7	2.7	2.8	2.3	2.2	1.8	1.7	2.0	2.1	1.4	0.7	0.0	0.7	0.9	1.5	3.5	5.9	105.2
8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88		
INITIAL MONTH																				

INITIAL MONTH

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 15, 1988

# INDUSTRIAL PRODUCTION

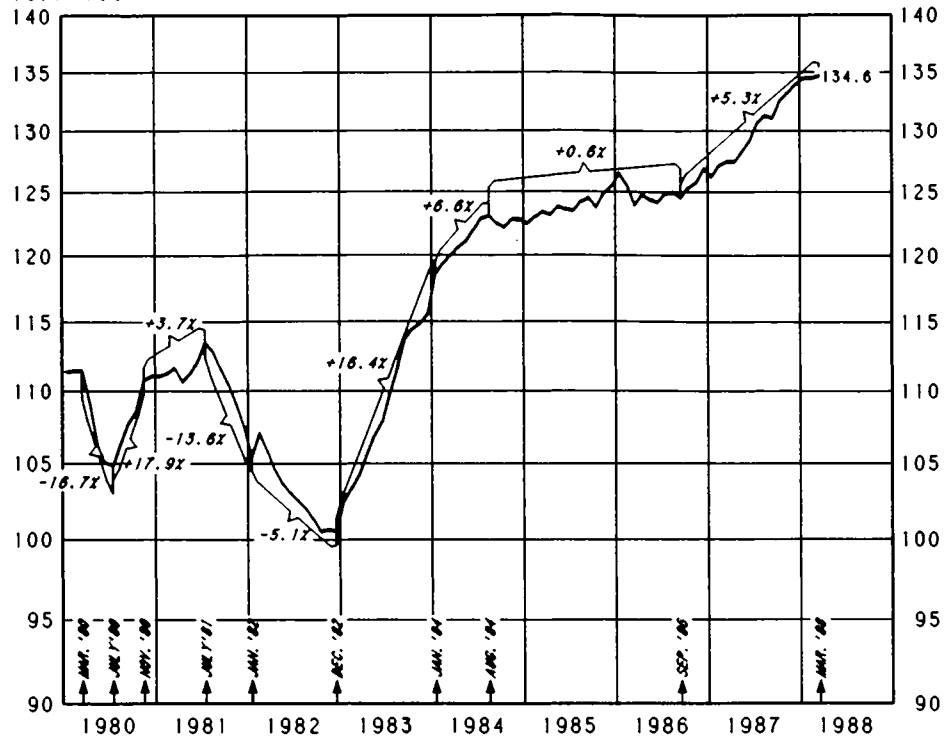
RATIO SCALE

1977=100

SEASONALLY ADJUSTED

RATIO SCALE

1977=100



PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

## INDUSTRIAL PRODUCTION COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL MONTH	INITIAL MONTH																		1977 = 100	
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
9-86	-3.8																		124.5	
10-86	1.9	8.0																	125.3	
11-86	2.6	5.9	3.9																125.7	
12-86	4.6	7.6	7.4	11.0															126.8	
1-87	2.5	4.2	2.9	2.4	-5.5														126.2	
2-87	3.6	5.1	4.4	4.5	1.4	8.9													127.1	
3-87	3.5	4.7	4.1	4.1	1.9	5.8	2.9												127.4	
4-87	3.0	4.0	3.4	3.3	1.4	3.9	1.4	0.0											127.4	
5-87	3.5	4.5	4.0	4.0	2.7	4.8	3.5	3.8	7.8										128.2	
6-87	4.0	5.0	4.6	4.7	3.7	5.6	4.8	5.4	8.3	8.8									129.1	
7-87	5.0	5.9	5.7	5.9	5.2	7.1	6.7	7.7	10.4	11.8	14.9								130.6	
8-87	5.0	5.9	5.7	5.9	5.2	6.9	6.6	7.3	9.2	9.7	10.2	5.7							131.2	
9-87	4.5	5.2	5.0	5.1	4.4	5.8	5.3	5.7	6.9	6.7	6.0	1.9	-1.8						131.0	
10-87	5.2	5.9	5.7	5.9	5.4	6.7	6.4	7.0	8.2	8.2	8.1	5.9	6.1	14.6					132.5	
11-87	5.3	6.0	5.8	6.0	5.5	6.7	6.4	6.9	7.9	8.0	7.8	6.1	6.2	10.5	6.5				133.2	
12-87	5.4	6.0	5.9	6.0	5.6	6.7	6.5	6.9	7.7	7.7	7.6	6.2	6.3	9.2	6.5	6.5			133.9	
1-88	5.3	5.9	5.8	5.9	5.5	6.5	6.3	6.6	7.4	7.3	7.1	5.9	6.0	8.0	5.9	5.5	4.6		134.4	
2-88	5.0	5.5	5.4	5.5	5.1	6.0	5.7	6.0	6.6	6.5	6.2	5.0	4.9	6.3	4.4	3.7	2.3	0.0	134.4P	
3-88	4.8	5.3	5.2	5.3	4.9	5.7	5.4	5.7	6.2	6.0	5.7	4.6	4.5	5.6	3.8	3.2	2.1	0.9	1.8	134.6P
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88	
	INITIAL MONTH																			

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 15, 1988

# PERSONAL INCOME

RATIO SCALE

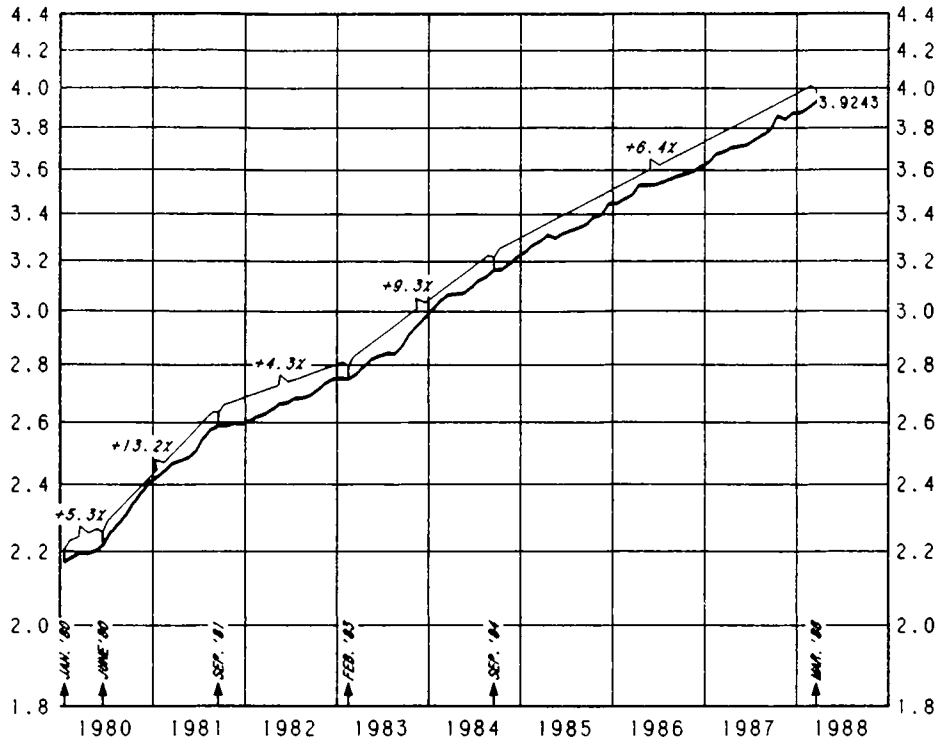
MONTHLY TOTALS AT ANNUAL RATES

RATIO SCALE

TRILLIONS OF DOLLARS

SEASONALLY ADJUSTED

TRILLIONS OF DOLLARS



SOURCE: U.S. DEPARTMENT OF COMMERCE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

## PERSONAL INCOME COMPOUNDED ANNUAL RATES OF CHANGE

BILLIONS OF  
DOLLARS  
ANNUAL RATES

TERMINAL MONTH	INITIAL MONTH																		
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88
9-86	5.0																		3,567.5
10-86	4.2	3.4																	3,577.5
11-86	4.3	3.9	4.4																3,590.3
12-86	5.2	5.2	6.1	7.9															3,613.0
1-87	5.4	5.5	6.2	7.1	6.3														3,631.5
2-87	6.8	7.1	8.1	9.3	10.1	13.9													3,671.2
3-87	6.4	6.6	7.3	8.0	8.0	8.9	4.1												3,683.4
4-87	6.4	6.5	7.1	7.6	7.6	8.0	5.1	6.2											3,701.9
5-87	5.9	6.0	6.4	6.7	6.5	6.5	4.1	4.2	2.2										3,708.5
6-87	5.5	5.6	5.8	6.0	5.7	5.6	3.6	3.5	2.2	2.2									3,715.3
7-87	5.7	5.8	6.1	6.3	6.1	6.0	4.5	4.6	4.1	5.1	8.0								3,739.2
8-87	5.8	5.9	6.2	6.4	6.2	6.2	4.9	5.1	4.8	5.7	7.5	7.1							3,760.6
9-87	6.0	6.0	6.3	6.5	6.3	6.3	5.3	5.5	5.4	6.2	7.5	7.3	7.5						3,783.2
10-87	7.2	7.4	7.7	8.1	8.1	8.3	7.6	8.1	8.4	9.7	11.7	12.9	15.9	25.1					3,854.4
11-87	6.4	6.5	6.7	6.9	6.9	6.9	6.2	6.4	6.5	7.2	8.2	8.3	8.7	9.3	-4.5				3,839.8
12-87	6.6	6.7	6.9	7.1	7.1	7.2	6.5	6.8	6.9	7.5	8.5	8.5	8.9	9.4	2.3	9.6			3,869.1
1-88	6.3	6.3	6.5	6.7	6.6	6.6	6.0	6.2	6.2	6.7	7.4	7.3	7.3	7.2	1.9	5.2	1.1		3,872.5
2-88	6.3	6.4	6.6	6.7	6.6	6.7	6.1	6.3	6.3	6.7	7.3	7.2	7.3	7.2	3.2	5.8	4.0	7.1	3,894.7
3-88	6.5	6.6	6.7	6.9	6.8	6.9	6.3	6.5	6.6	7.0	7.6	7.5	7.6	7.6	4.4	6.7	5.8	8.3	9.5
	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88

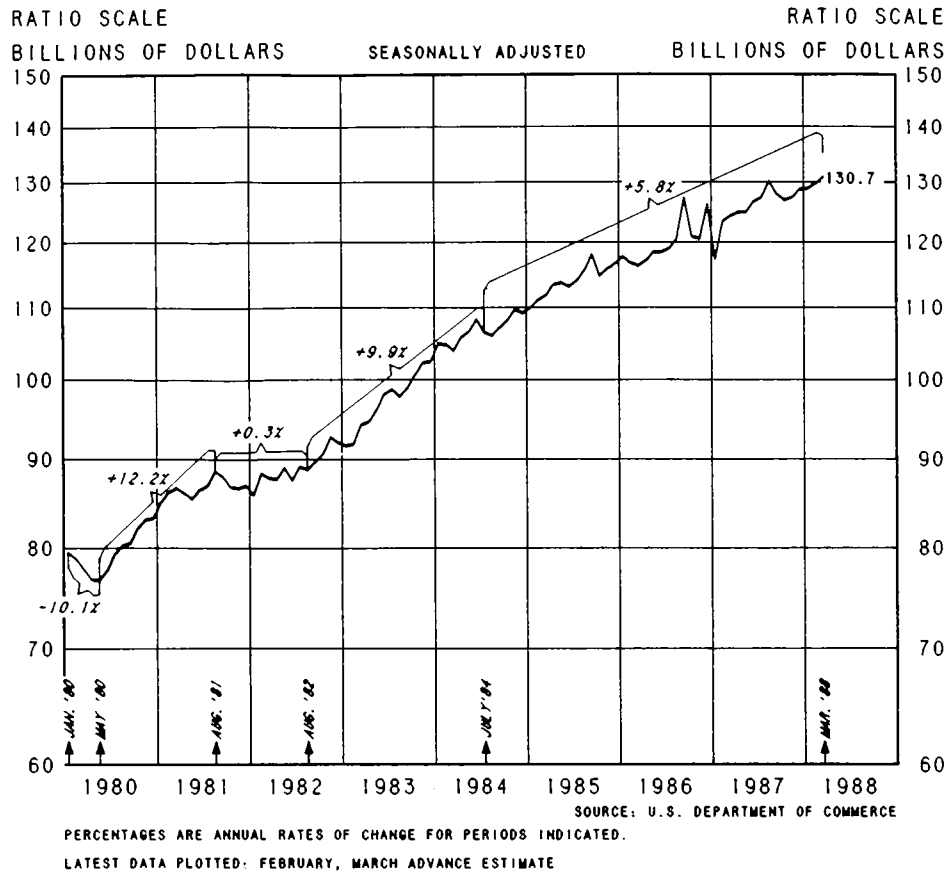
INITIAL MONTH

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 27, 1988



# RETAIL SALES



PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

		RETAIL SALES COMPOUNDED ANNUAL RATES OF CHANGE																	MILLIONS OF DOLLARS	
TERMINAL MONTH	INITIAL MONTH	8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88
9-86	93.6																		127,115	
10-86	2.4	-45.9																	120,778	
11-86	0.5	-27.5	-3.0																120,470	
12-86	14.9	-3.4	29.0	71.5															126,011	
1-87	-6.0	-21.5	-11.2	-15.0	-57.9														117,246	
2-87	5.0	-7.1	6.4	9.7	-12.2	82.9													123,298	
3-87	5.5	-4.6	6.8	9.5	-5.8	41.0	8.6												124,153	
4-87	5.6	-3.2	6.7	8.7	-3.0	28.1	7.2	5.9											124,744	
5-87	5.0	-2.7	5.7	7.3	-2.3	20.5	4.9	3.0	0.3										124,775	
6-87	6.2	-0.6	7.2	8.7	0.8	20.0	8.0	7.8	8.8	18.0									126,511	
7-87	6.3	0.1	7.2	8.5	1.7	17.8	7.8	7.6	8.2	12.4	7.0								127,230	
8-87	8.0	2.5	9.2	10.7	4.8	19.3	11.1	11.6	13.1	17.8	17.6	29.3							129,981	
9-87	5.7	0.6	6.4	7.4	1.9	13.8	6.4	6.0	6.0	7.5	4.2	2.8	-18.3						127,815	
10-87	4.6	-0.2	5.0	5.8	0.8	11.0	4.3	3.7	3.3	4.0	0.7	-1.3	-13.8	-9.1					126,808	
11-87	4.6	0.1	4.9	5.6	1.1	10.3	4.3	3.8	3.5	4.0	1.4	0.0	-8.1	-2.6	4.2				127,248	
12-87	5.1	0.9	5.5	6.2	2.1	10.6	5.2	4.8	4.7	5.3	3.4	2.6	-3.1	2.5	8.9	13.7			128,615	
1-88	4.9	1.0	5.3	5.9	2.0	9.8	4.9	4.5	4.3	4.8	3.1	2.4	-2.2	2.3	6.3	7.4	1.4		128,769	
2-88	5.1	1.4	5.4	6.0	2.4	9.7	5.1	4.8	4.7	5.2	3.7	3.2	-0.6	3.3	6.7	7.5	4.6	7.8	129,579P	
3-88	5.4	1.9	5.7	6.3	2.9	9.7	5.5	5.2	5.2	5.7	4.4	4.1	0.9	4.5	7.4	8.3	6.5	9.1	10.5	130,660E
8-86	9-86	10-86	11-86	12-86	1-87	2-87	3-87	4-87	5-87	6-87	7-87	8-87	9-87	10-87	11-87	12-87	1-88	2-88		
INITIAL MONTH																				
P- PRELIMINARY E- ESTIMATED																				
PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS APRIL 13, 1988																				

HOURLY COMPENSATION, BUSINESS SECTOR  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																		1977=100	
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	
2-83	2.5																			160.8
3-83	2.0	1.5																		161.4
4-83	3.2	3.5	5.6																	163.6
1-84	3.8	4.2	5.5	5.5																165.8
2-84	3.5	3.8	4.6	4.1	2.7															166.9
3-84	3.7	3.9	4.5	4.2	3.5	4.4														168.7
4-84	3.7	3.9	4.4	4.1	3.6	4.1	3.8													170.3
1-85	3.7	4.1	4.5	4.3	4.0	4.4	4.4	5.0												172.4
2-85	4.0	4.2	4.6	4.4	4.2	4.6	4.7	5.1	5.2											174.6
3-85	4.2	4.4	4.7	4.6	4.5	4.8	4.9	5.3	5.4	5.6										177.0
4-85	4.3	4.5	4.8	4.7	4.6	4.9	5.0	5.3	5.4	5.5	5.3									179.3
1-86	4.2	4.3	4.6	4.5	4.4	4.6	4.7	4.9	4.8	4.7	4.2	3.2								180.7
2-86	4.1	4.3	4.5	4.4	4.3	4.5	4.5	4.6	4.5	4.4	3.9	3.3	3.4							182.2
3-86	4.0	4.2	4.4	4.3	4.2	4.3	4.3	4.4	4.3	4.1	3.7	3.2	3.2	3.1						183.6
4-86	4.0	4.1	4.3	4.2	4.1	4.2	4.2	4.3	4.2	4.0	3.7	3.3	3.3	3.3	3.5					185.2
1-87	3.8	3.9	4.1	4.0	3.9	4.0	3.9	3.9	3.8	3.6	3.3	2.9	2.8	2.6	2.4	1.3				185.8
2-87	3.4	3.4	4.0	3.9	3.8	3.9	3.9	3.9	3.8	3.6	3.3	3.0	2.9	2.8	2.7	2.3	3.3			187.3
3-87	3.8	3.9	4.0	3.9	3.8	3.9	3.9	3.9	3.8	3.6	3.4	3.1	3.1	3.0	3.0	2.8	3.6	3.9		189.1
4-87	3.8	3.4	4.0	3.9	3.8	3.9	3.8	3.8	3.7	3.5	3.3	3.1	3.1	3.0	3.0	2.9	3.4	3.4	3.0	190.5
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	
	INITIAL QUARTER																			

INITIAL QUARTER

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
MARCH 3, 1988

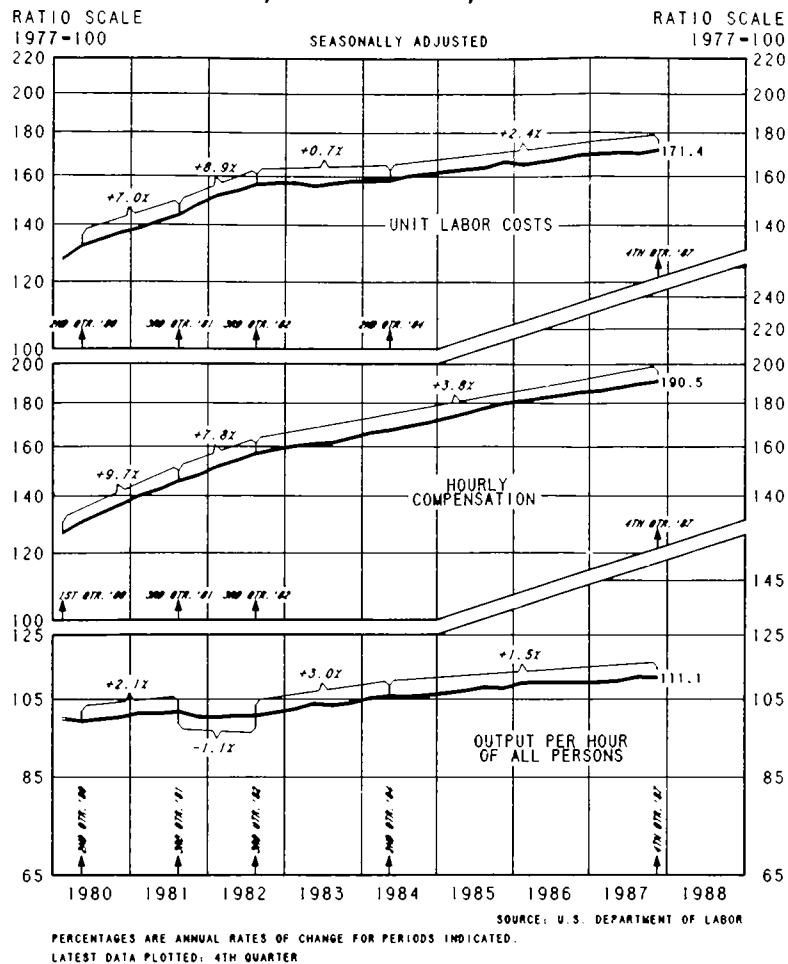
OUTPUT PER HOUR OF ALL PERSONS, BUSINESS SECTOR  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																			1977=100
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	
2-83	6.0																			103.4
3-83	2.2	-1.5																		103.0
4-83	2.4	0.6	2.7																	103.7
1-84	3.1	2.2	4.1	5.5																105.1
2-84	2.9	2.1	3.4	3.7	1.9															105.6
3-84	2.3	1.6	2.4	2.3	0.8	-0.4														105.5
4-84	2.2	1.6	2.2	2.1	1.0	0.6	1.5													105.9
1-85	2.2	1.7	2.3	2.2	1.3	1.1	1.9	2.3												106.5
2-85	2.3	1.8	2.3	2.2	1.6	1.5	2.2	2.5	2.7											107.2
3-85	2.4	2.0	2.5	2.5	2.0	2.0	2.6	2.9	3.2	3.8										108.2
4-85	2.1	1.7	2.1	2.0	1.5	1.4	1.8	1.9	1.8	1.3	-1.1									107.9
1-86	2.4	2.1	2.5	2.4	2.1	2.1	2.5	2.7	2.8	2.9	2.4	6.1								109.5
2-86	2.3	2.0	2.3	2.3	1.9	1.9	2.3	2.4	2.4	2.3	1.9	3.4	0.7							109.7
3-86	2.1	1.8	2.1	2.0	1.7	1.7	1.9	2.0	1.9	1.8	1.3	2.1	0.2	-0.4						109.6
4-86	2.0	1.7	1.9	1.9	1.5	1.5	1.7	1.7	1.7	1.5	1.0	1.6	0.1	-0.2	0.0					109.6
1-87	1.9	1.6	1.8	1.7	1.4	1.4	1.6	1.6	1.5	1.3	0.9	1.3	0.2	0.0	0.2	0.4				109.7
2-87	1.8	1.6	1.8	1.7	1.4	1.4	1.6	1.6	1.5	1.3	1.0	1.4	0.4	0.4	0.6	0.9	1.5			110.1
3-87	2.0	1.7	2.0	1.9	1.7	1.6	1.8	1.8	1.8	1.7	1.4	1.8	1.1	1.2	1.6	2.1	2.9	4.4		111.3
4-87	1.8	1.6	1.8	1.7	1.5	1.5	1.6	1.6	1.5	1.4	1.2	1.5	0.8	0.8	1.1	1.4	1.7	1.8	-0.7	111.1
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	
	INITIAL QUARTER																			

INITIAL QUARTER

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
MARCH 3, 1988

# PRODUCTIVITY, COMPENSATION, AND LABOR COSTS



## UNIT LABOR COSTS, BUSINESS SECTOR COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																		1977=100	
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	
2-83	-3.3																		155.5	
3-83	-0.1	3.1																	156.7	
4-83	0.8	2.8	2.6																157.7	
1-84	0.6	2.0	1.4	0.3															157.8	
2-84	0.6	1.6	1.1	0.4	0.5														158.0	
3-84	1.3	2.3	2.0	1.9	2.7	4.9													159.9	
4-84	1.4	2.3	2.1	2.0	2.5	3.6	2.3												160.8	
1-85	1.6	2.3	2.2	2.1	2.6	3.3	2.5	2.8											161.9	
2-85	1.7	2.3	2.2	2.1	2.5	3.0	2.4	2.5	2.2										162.8	
3-85	1.7	2.3	2.2	2.1	2.4	2.8	2.3	2.3	2.1	2.0									163.6	
4-85	2.1	2.7	2.6	2.6	3.0	3.4	3.1	3.3	3.5	4.1	6.3								166.1	
1-86	1.7	2.2	2.1	2.0	2.3	2.5	2.1	2.1	1.9	1.8	1.7	-2.6							165.0	
2-86	1.8	2.2	2.2	2.1	2.3	2.6	2.2	2.2	2.1	2.1	2.1	0.1	2.9						166.2	
3-86	1.9	2.3	2.2	2.2	2.4	2.6	2.3	2.4	2.3	2.3	2.4	1.1	3.1	3.2					167.5	
4-86	2.0	2.4	2.4	2.3	2.5	2.7	2.5	2.5	2.5	2.5	2.6	1.7	3.2	3.4	3.6				169.0	
1-87	2.0	2.3	2.3	2.2	2.4	2.6	2.3	2.3	2.3	2.3	2.3	1.6	2.7	2.6	2.3	1.0			169.4	
2-87	1.9	2.3	2.2	2.2	2.4	2.5	2.3	2.3	2.2	2.2	2.3	1.6	2.5	2.4	2.2	1.4	1.9		170.2	
3-87	1.8	2.1	2.0	2.0	2.1	2.2	2.0	2.0	1.9	1.9	1.9	1.3	1.9	1.7	1.4	0.6	0.5	-0.9	169.8	
4-87	1.9	2.2	2.1	2.1	2.2	2.4	2.2	2.2	2.1	2.1	2.1	1.6	2.2	2.1	1.9	1.4	1.6	1.4	3.8	171.4
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	
	INITIAL QUARTER																			

INITIAL QUARTER

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
MARCH 3, 1988

**GROSS NATIONAL PRODUCT IN CURRENT DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE**

TERMINAL QUARTER	INITIAL QUARTER																BILLIONS OF DOLLARS ANNUAL RATES			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	9.4																			3,443.9
4-83	10.9	12.4																		3,545.8
1-84	12.4	13.9	15.4																	3,674.9
2-84	11.5	12.2	12.1	8.9																3,754.2
3-84	10.3	10.6	10.0	7.4	5.8															3,807.9
4-84	9.4	9.4	8.6	6.5	5.3	4.7														3,851.8
1-85	9.1	9.0	8.4	6.7	6.0	6.0	7.4													3,921.1
2-85	8.6	8.5	7.9	6.5	5.8	5.8	6.4	5.5												3,973.6
3-85	8.5	8.3	7.8	6.6	6.1	6.1	6.6	6.3	7.1											4,042.0
4-85	8.2	8.1	7.6	6.5	6.1	6.2	6.6	6.3	6.7	6.3										4,104.4
1-86	8.1	8.0	7.5	6.6	6.3	6.3	6.6	6.5	6.8	6.7	7.0									4,174.4
2-86	7.7	7.6	7.1	6.2	5.9	5.9	6.1	5.9	6.0	5.6	5.3	3.6								4,211.6
3-86	7.5	7.4	7.0	6.1	5.8	5.8	6.0	5.8	5.8	5.5	5.3	4.4	5.3							4,265.9
4-86	7.1	7.0	6.5	5.8	5.5	5.4	5.5	5.2	5.2	4.8	4.5	3.6	3.7	2.1						4,288.1
1-87	7.2	7.1	6.7	6.0	5.7	5.7	5.9	5.7	5.7	5.5	5.3	4.9	5.3	5.3	8.6					4,377.7
2-87	7.2	7.0	6.7	6.0	5.8	5.8	5.9	5.7	5.8	5.6	5.5	5.2	5.5	5.6	7.5	6.3				4,445.1
3-87	7.2	7.1	6.7	6.1	5.9	5.9	6.0	5.9	5.9	5.8	5.7	5.5	5.9	6.1	7.4	6.8	7.3			4,524.0
4-87	7.2	7.1	6.8	6.2	6.0	6.0	6.2	6.0	6.1	6.0	6.0	5.8	6.2	6.4	7.4	7.1	7.4	7.6		4,607.4
1-88	7.1	7.0	6.6	6.1	5.9	5.9	6.0	5.9	6.0	5.9	5.8	5.7	6.0	6.1	6.9	6.5	6.5	6.1	4.7	4,660.9P
2-83 3-83 4-83 1-84 2-84 3-84 4-84 1-85 2-85 3-85 4-85 1-86 2-86 3-86 4-86 1-87 2-87 3-87 4-87																				

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

**GROSS NATIONAL PRODUCT IN 1982 DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE**

TERMINAL QUARTER	INITIAL QUARTER																BILLIONS OF DOLLARS ANNUAL RATES			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	6.0																			3,306.4
4-83	6.7	7.3																		3,365.1
1-84	8.0	9.0	10.7																	3,451.7
2-84	7.4	7.8	8.1	5.5																3,498.0
3-84	6.4	6.5	6.2	4.0	2.6															3,520.6
4-84	5.6	5.5	5.1	3.2	2.1	1.7														3,535.2
1-85	5.3	5.2	4.8	3.4	2.7	2.8	3.8													3,568.7
2-85	4.9	4.8	4.4	3.1	2.5	2.5	3.0	2.1												3,587.1
3-85	4.8	4.7	4.3	3.3	2.8	2.9	3.3	3.1	4.1											3,623.0
4-85	4.7	4.5	4.2	3.3	2.9	3.0	3.3	3.1	3.6	3.1										3,650.9
1-86	4.7	4.6	4.3	3.5	3.2	3.3	3.7	3.6	4.2	4.2	5.4									3,698.8
2-86	4.4	4.2	3.9	3.2	2.9	3.0	3.2	3.0	3.3	3.0	3.0	0.6								3,704.7
3-86	4.1	4.0	3.7	3.0	2.7	2.8	2.9	2.8	2.9	2.6	2.5	1.0	1.4							3,718.0
4-86	4.0	3.8	3.5	2.9	2.6	2.6	2.7	2.6	2.7	2.4	2.2	1.2	1.5	1.5						3,731.5
1-87	4.0	3.8	3.6	3.0	2.8	2.8	2.9	2.8	2.9	2.7	2.6	2.0	2.4	2.9	4.4					3,772.2
2-87	3.9	3.7	3.5	3.0	2.8	2.8	2.9	2.8	2.9	2.7	2.6	2.1	2.4	2.8	3.4	2.5				3,795.3
3-87	3.9	3.8	3.6	3.1	2.9	2.9	3.0	2.9	3.0	2.9	2.9	2.5	2.8	3.2	3.7	3.4	4.3			3,835.9
4-87	4.0	3.8	3.6	3.2	3.0	3.0	3.2	3.1	3.2	3.1	3.1	2.8	3.1	3.5	4.0	3.9	4.6	4.8		3,880.8
1-88	3.9	3.8	3.5	3.1	3.0	3.0	3.1	3.0	3.1	3.0	3.0	2.7	3.0	3.3	3.7	3.5	3.8	3.5	2.3	3,902.6P
2-83 3-83 4-83 1-84 2-84 3-84 4-84 1-85 2-85 3-85 4-85 1-86 2-86 3-86 4-86 1-87 2-87 3-87 4-87																				

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

# GROSS NATIONAL PRODUCT

RATIO SCALE

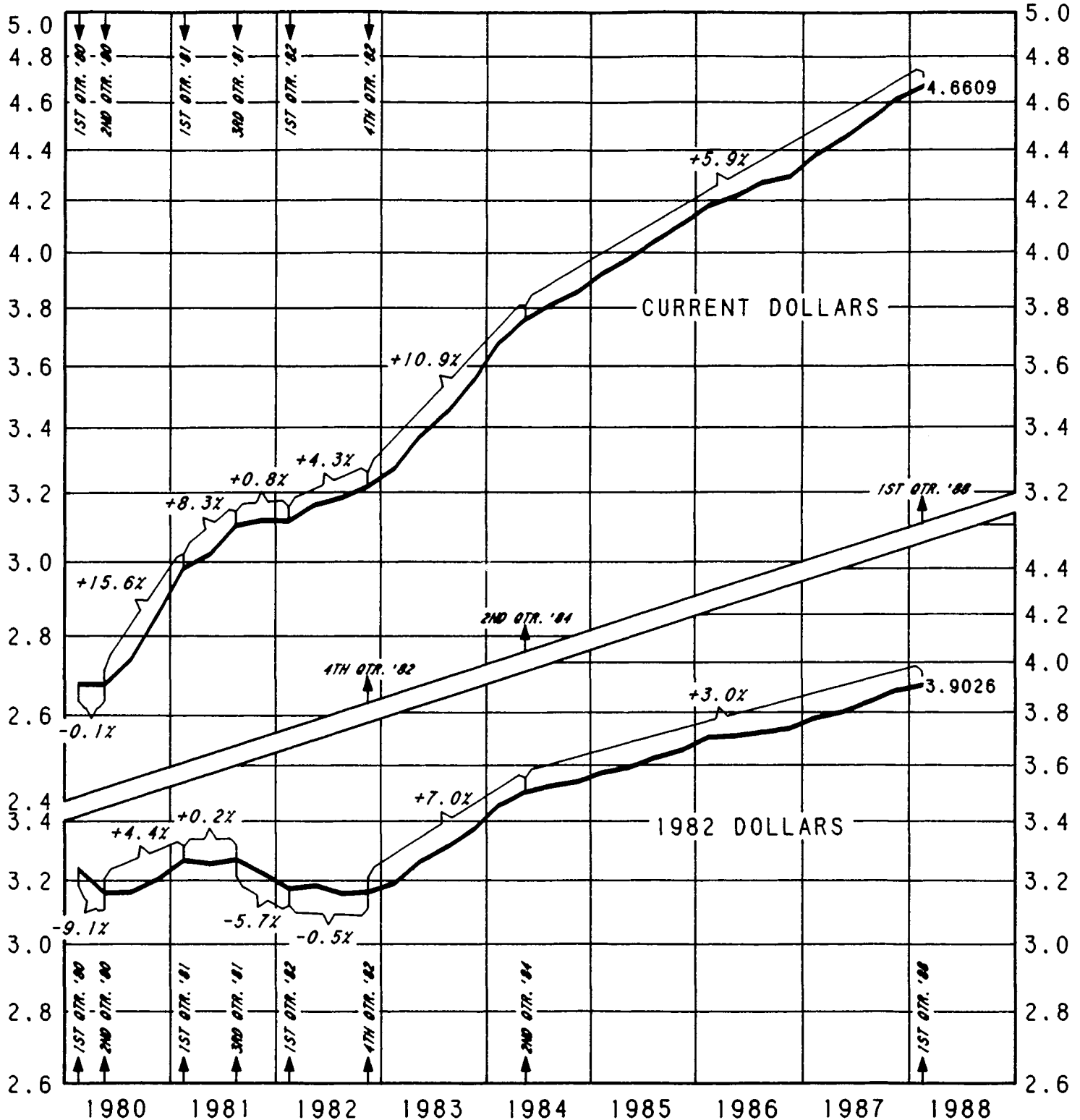
QUARTERLY TOTALS AT ANNUAL RATES

RATIO SCALE

TRILLIONS OF DOLLARS

SEASONALLY ADJUSTED

TRILLIONS OF DOLLARS



SOURCE: U.S. DEPARTMENT OF COMMERCE

PERCENTAGES ARE ANNUAL RATES OF CHANGE FOR PERIODS INDICATED.

LATEST DATA PLOTTED: 1ST QUARTER PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

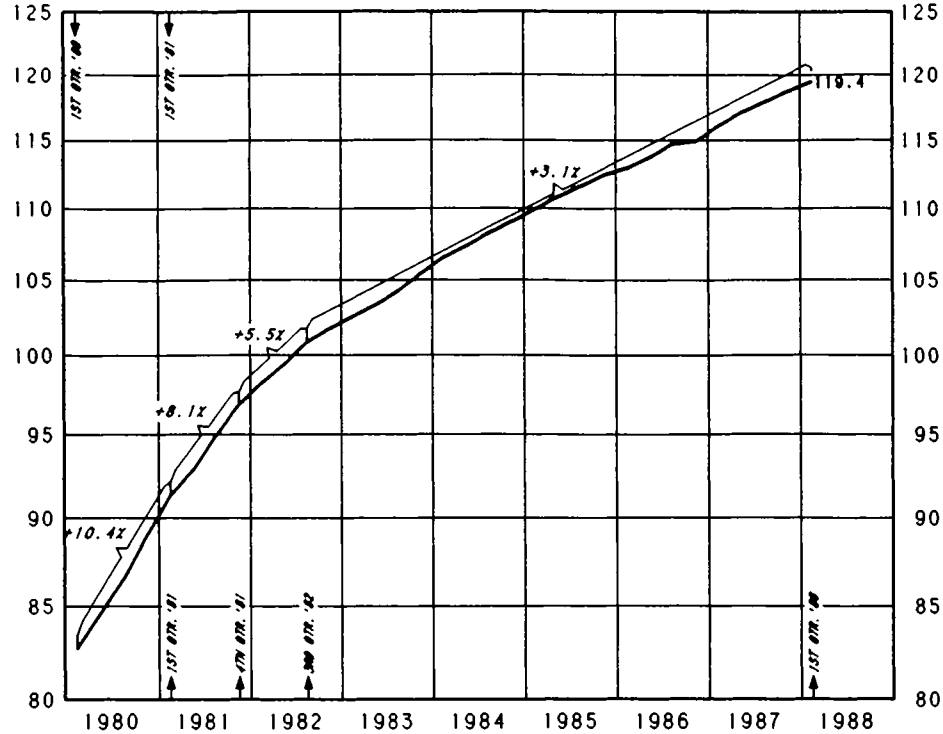
# GENERAL PRICE INDEX\*

RATIO SCALE

1982=100

RATIO SCALE

1982=100



WAS USED IN NATIONAL INCOME ACCOUNTS

SOURCE: U.S. DEPARTMENT OF COMMERCE

PERCENTAGES ARE ANNUAL RATES OF CHANGE FOR PERIODS INDICATED.

LATEST DATA PLOTTED: 1ST QUARTER PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

## IMPLICIT PRICE DEFLATOR FOR GROSS NATIONAL PRODUCT COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																1982 = 100			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	3.5																			104.2
4-83	4.1	4.7																		105.4
1-84	4.2	4.5	4.2																	106.5
2-84	3.9	4.0	3.6	3.0																107.3
3-84	3.8	3.8	3.6	3.2	3.4															108.2
4-84	3.6	3.7	3.4	3.1	3.2	3.0														109.0
1-85	3.6	3.6	3.4	3.2	3.2	3.2	3.3													109.9
2-85	3.6	3.6	3.4	3.2	3.3	3.2	3.3	3.3												110.8
3-85	3.5	3.5	3.3	3.2	3.2	3.1	3.2	3.1	2.9											111.6
4-85	3.4	3.4	3.3	3.1	3.1	3.1	3.1	3.0	2.9	2.9										112.4
1-86	3.3	3.3	3.1	3.0	2.9	2.9	2.9	2.7	2.5	2.3	1.8									112.9
2-86	3.2	3.2	3.1	3.0	2.9	2.9	2.9	2.8	2.6	2.5	2.3	2.9								113.7
3-86	3.3	3.3	3.1	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.7	3.2	3.6							114.7
4-86	3.1	3.1	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.4	2.2	2.4	2.1	0.7						114.9
1-87	3.2	3.1	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.8	2.8	2.5	4.2					116.1
2-87	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	3.0	3.0	2.8	3.9	3.5				117.1
3-87	3.2	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.9	2.9	2.8	3.5	3.1	2.8			117.9
4-87	3.1	3.1	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.9	2.9	2.8	3.3	3.0	2.8	2.7		118.7
1-88	3.1	3.1	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.8	2.8	2.7	3.1	2.8	2.6	2.6	2.4	119.4P
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

PERSONAL CONSUMPTION EXPENDITURES IN CURRENT DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE

COMPOUNDED ANNUAL RATES OF CHANGE																				BILLIONS OF DOLLARS ANNUAL RATES	
TERMINAL QUARTER	INITIAL QUARTER																				
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87		
3-83	9.3																			2,262.8	
4-83	9.5	9.7																		2,315.8	
1-84	9.0	8.9	8.1																	2,361.1	
2-84	9.2	9.2	8.9	9.8																2,417.0	
3-84	8.5	8.3	7.8	7.7	5.6															2,450.3	
4-84	8.3	8.1	7.7	7.5	6.4	7.2														2,493.4	
1-85	8.4	8.3	8.0	8.0	7.4	8.3	9.4													2,549.9	
2-85	8.4	8.3	8.1	8.1	7.7	8.3	8.9	8.4												2,602.0	
3-85	8.6	8.5	8.4	8.4	8.1	8.8	9.3	9.3	10.1											2,665.4	
4-85	8.3	8.2	8.0	8.0	7.7	8.1	8.3	7.9	7.7	5.3										2,700.1	
1-86	8.0	7.9	7.7	7.7	7.4	7.7	7.8	7.4	7.0	5.5	5.7									2,737.9	
2-86	7.7	7.6	7.4	7.3	7.0	7.2	7.2	6.7	6.3	5.1	4.9	4.1								2,765.8	
3-86	7.9	7.8	7.7	7.6	7.4	7.6	7.7	7.4	7.2	6.4	6.8	7.4	10.7							2,837.1	
4-86	7.6	7.5	7.3	7.2	6.9	7.1	7.1	6.7	6.5	5.8	5.9	5.9	6.8	3.1						2,858.6	
1-87	7.4	7.3	7.1	7.0	6.8	6.9	6.8	6.5	6.3	5.6	5.7	5.7	6.2	4.0	5.0					2,893.8	
2-87	7.4	7.3	7.1	7.0	6.8	6.9	6.9	6.6	6.4	5.8	5.9	6.0	6.4	5.0	6.0	7.1				2,943.7	
3-87	7.5	7.4	7.3	7.2	7.0	7.1	7.1	6.9	6.7	6.3	6.4	6.6	7.0	6.1	7.2	8.3	9.5			3,011.3	
4-87	7.2	7.0	6.9	6.8	6.6	6.7	6.6	6.4	6.2	5.7	5.8	5.8	6.1	5.2	5.7	6.0	5.4	1.5		3,022.6	
1-88	7.1	7.0	6.8	6.8	6.6	6.6	6.6	6.4	6.2	5.8	5.9	5.9	6.1	5.4	5.8	6.0	5.7	3.8	6.2	3,068.7P	
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87		
	INITIAL QUARTER																				

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

PERSONAL CONSUMPTION EXPENDITURES IN 1982 DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE

COMPOUNDED ANNUAL RATES OF CHANGE																				BILLIONS OF DOLLARS ANNUAL RATES	
TERMINAL QUARTER	INITIAL QUARTER																				
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87		
3-83	5.3																			2,163.0	
4-83	5.4	5.5																		2,191.9	
1-84	4.8	4.6	3.7																	2,212.1	
2-84	5.2	5.2	5.1	6.4																2,246.7	
3-84	4.6	4.4	4.0	4.1	1.9															2,257.3	
4-84	4.5	4.3	4.1	4.2	3.1	4.3														2,281.1	
1-85	4.7	4.6	4.4	4.6	4.0	5.1	5.9													2,314.1	
2-85	4.6	4.5	4.4	4.5	4.0	4.7	5.0	4.0												2,337.0	
3-85	4.9	4.8	4.7	4.9	4.6	5.3	5.6	5.4	6.9											2,376.1	
4-85	4.5	4.4	4.3	4.3	4.0	4.4	4.5	4.0	4.0	1.2										2,383.2	
1-86	4.5	4.4	4.3	4.4	4.1	4.5	4.5	4.1	4.2	2.8	4.5									2,409.7	
2-86	4.5	4.4	4.3	4.3	4.1	4.4	4.4	4.1	4.2	3.3	4.3	4.1								2,434.3	
3-86	4.7	4.6	4.6	4.6	4.4	4.8	4.8	4.7	4.8	4.3	5.3	5.7	7.3							2,477.5	
4-86	4.4	4.3	4.2	4.3	4.0	4.3	4.3	4.0	4.1	3.5	4.1	3.9	3.8	0.5						2,480.5	
1-87	4.0	3.9	3.8	3.8	3.6	3.8	3.7	3.4	3.4	2.8	3.1	2.7	2.3	-0.1	-0.7					2,475.9	
2-87	3.9	3.8	3.7	3.7	3.5	3.6	3.5	3.3	3.2	2.7	2.9	2.6	2.2	0.5	0.6	1.9				2,487.5	
3-87	4.0	3.9	3.8	3.8	3.6	3.7	3.7	3.5	3.4	3.0	3.3	3.0	2.8	1.7	2.2	3.7	5.4			2,520.7	
4-87	3.6	3.5	3.4	3.4	3.2	3.3	3.2	2.9	2.8	2.4	2.5	2.2	1.9	0.9	1.0	1.5	1.4	-2.5		2,504.6	
1-88	3.6	3.5	3.4	3.4	3.2	3.3	3.2	3.0	2.9	2.5	2.7	2.4	2.2	1.4	1.5	2.1	2.2	0.6	3.8	2,528.2P	
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87		
	INITIAL QUARTER																				

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

**GROSS PRIVATE DOMESTIC INVESTMENT IN CURRENT DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE**

TERMINAL QUARTER	INITIAL QUARTER																			BILLIONS OF DOLLARS ANNUAL RATES
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	35.9																			519.7
4-83	45.1	54.9																		579.8
1-84	53.3	62.8	71.0																	663.0
2-84	38.0	38.7	31.2	0.7																664.2
3-84	30.3	29.0	21.3	2.2	3.7															670.3
4-84	23.7	21.3	14.1	-0.2	-0.7	-5.0														661.8
1-85	17.5	14.7	8.0	-3.7	-5.1	-9.2	-13.3													638.6
2-85	16.1	13.5	7.7	-1.8	-2.4	-4.3	-4.0	6.3												648.4
3-85	12.6	10.0	4.7	-3.5	-4.3	-6.2	-6.6	-3.1	-11.7											628.6
4-85	12.8	10.5	5.9	-1.1	-1.3	-2.3	-1.7	2.6	0.7	14.9										650.8
1-86	13.6	11.6	7.6	1.5	1.6	1.3	2.6	7.0	7.3	18.2	21.6									683.4
2-86	12.2	10.2	6.5	1.1	1.1	0.8	1.8	5.1	4.8	10.9	9.0	-2.3								679.4
3-86	10.2	8.3	4.9	-0.1	-0.2	-0.7	-0.1	2.3	1.5	5.1	2.1	-6.5	-10.5							660.8
4-86	9.5	7.6	4.4	-0.2	-0.2	-0.7	-0.1	1.9	1.2	4.0	1.4	-4.5	-5.6	-0.4						660.2
1-87	10.5	8.9	6.0	1.8	1.9	1.7	2.5	4.7	4.5	7.4	6.0	2.4	4.0	12.2	26.3					699.9
2-87	9.9	8.4	5.6	1.8	1.9	1.7	2.4	4.3	4.1	6.6	5.2	2.2	3.4	8.5	13.3	1.6				702.6
3-87	9.5	8.0	5.4	1.9	2.0	1.8	2.5	4.2	3.9	6.1	4.9	2.3	3.3	7.1	9.6	2.2	2.8			707.4
4-87	10.7	9.4	7.0	3.7	3.9	3.9	4.7	6.5	6.6	8.8	8.1	6.3	7.8	11.9	15.1	11.6	17.1	33.4		760.2
1-88	10.2	8.9	6.6	3.5	3.7	3.7	4.4	6.1	6.0	8.0	7.3	5.6	6.8	10.0	12.1	8.9	11.4	16.0	0.9	761.9P

2-83 3-83 4-83 1-84 2-84 3-84 4-84 1-85 2-85 3-85 4-85 1-86 2-86 3-86 4-86 1-87 2-87 3-87 4-87

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

**GROSS PRIVATE DOMESTIC INVESTMENT IN 1982 DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE**

COMPOUNDED ANNUAL RATES OF CHANGE																				BILLIONS OF DOLLARS ANNUAL RATES
TERMINAL QUARTER	INITIAL QUARTER																			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	35.0																			524.8
4-83	40.5	46.3																		577.2
1-84	48.6	55.9	66.0																	655.2
2-84	35.2	35.3	30.1	2.0																658.4
3-84	28.2	26.6	20.6	2.8	3.6															664.2
4-84	21.9	19.5	13.6	0.1	-0.8	-5.0														655.7
1-85	16.1	13.2	7.5	-3.5	-5.3	-9.4	-13.6													632.1
2-85	15.2	12.6	7.8	-1.2	-1.9	-3.7	-3.0	8.9												645.7
3-85	11.6	9.0	4.5	-3.3	-4.3	-6.2	-6.6	-2.8	-13.2											623.2
4-85	11.8	9.5	5.6	-1.0	-1.5	-2.5	-1.9	2.4	-0.7	13.5										643.3
1-86	12.6	10.6	7.2	1.5	1.4	1.0	2.3	6.7	6.0	17.1	20.8									674.4
2-86	11.0	9.0	5.9	0.7	0.5	0.1	1.0	4.2	3.1	9.2	7.1	-5.1								665.6
3-86	9.0	7.1	4.1	-0.6	-0.9	-1.5	-0.9	1.4	-0.1	3.5	0.4	-8.5	-11.8							645.0
4-86	7.7	5.8	3.0	-1.4	-1.7	-2.3	-1.9	-0.1	-1.5	1.0	-1.9	-8.5	-10.1	-8.4						631.0
1-87	9.0	7.3	4.8	0.8	0.7	0.5	1.1	3.1	2.3	5.1	3.5	-0.4	1.2	8.5	28.5					671.8
2-87	8.5	6.9	4.5	0.9	0.8	0.5	1.1	2.9	2.1	4.6	3.1	-0.1	1.2	6.0	14.0	1.1				673.7
3-87	8.2	6.8	4.5	1.1	1.1	0.9	1.4	3.1	2.5	4.6	3.4	0.7	2.0	5.7	10.9	3.0	5.0			681.9
4-87	9.2	7.8	5.8	2.7	2.7	2.6	3.3	5.0	4.6	6.8	6.0	4.1	5.7	9.6	14.6	10.3	15.2	26.4		723.1
1-88	9.2	7.9	6.0	3.0	3.1	3.1	3.7	5.3	5.0	7.0	6.3	4.6	6.1	9.4	13.4	9.9	13.0	17.3	8.7	738.4P

2-83 3-83 4-83 1-84 2-84 3-84 4-84 1-85 2-85 3-85 4-85 1-86 2-86 3-86 4-86 1-87 2-87 3-87 4-87

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988



**GOVERNMENT PURCHASES OF GOODS AND SERVICES IN CURRENT DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE**

TERMINAL QUARTER	INITIAL QUARTER																BILLIONS OF DOLLARS ANNUAL RATES			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	3.3																			680.7
1-83	0.3	-2.7																		676.1
1-84	4.2	4.7	12.6																	696.5
2-84	9.0	10.9	18.4	24.6																735.8
3-84	8.4	9.7	14.1	14.9	6.0															746.6
4-84	8.6	9.7	13.1	13.2	8.0	9.9														764.5
1-85	8.9	9.9	12.6	12.6	8.8	10.3	10.7													784.1
2-85	8.9	9.7	11.9	11.8	8.8	9.7	9.6	8.6												800.5
3-85	9.8	10.6	12.7	12.7	10.4	11.5	12.1	12.8	17.1											832.8
4-85	10.0	10.8	12.6	12.6	10.7	11.7	12.1	12.6	14.6	12.1										857.0
1-86	8.6	9.1	10.5	10.3	8.4	8.8	8.5	8.0	7.8	3.4	-4.6									846.9
2-86	8.7	9.2	10.5	10.2	8.6	8.9	8.8	8.4	8.3	5.5	2.4	9.9								867.2
3-86	8.4	8.9	10.0	9.7	8.2	8.5	8.3	7.9	7.7	5.5	3.4	7.6	5.3							878.5
4-86	8.1	8.5	9.4	9.2	7.7	7.9	7.7	7.3	7.0	5.1	3.4	6.3	4.5	3.6						886.3
1-87	7.8	8.2	9.1	8.8	7.4	7.6	7.3	6.9	6.7	5.0	3.6	5.8	4.5	4.1	4.5					896.2
2-87	8.0	8.3	9.1	8.8	7.6	7.8	7.6	7.2	7.0	5.7	4.6	6.6	5.8	5.9	7.1	9.7				917.1
3-87	7.8	8.1	8.8	8.6	7.4	7.6	7.3	7.0	6.8	5.6	4.7	6.4	5.7	5.7	6.5	7.5	5.3			929.0
4-87	7.9	8.1	8.8	8.6	7.5	7.7	7.5	7.2	7.0	6.0	5.2	6.7	6.2	6.4	7.1	7.9	7.0	8.8		948.8
1-88	7.3	7.6	8.2	7.9	6.9	7.0	6.8	6.4	6.2	5.2	4.5	5.7	5.1	5.0	5.3	5.5	4.2	3.6	-1.3	945.6P
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

**GOVERNMENT PURCHASES OF GOODS AND SERVICES IN 1982 DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE**

COMPOUNDED ANNUAL RATES OF CHANGE																				BILLIONS OF DOLLARS ANNUAL RATES	
TERMINAL QUARTER	INITIAL QUARTER																				
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87		
3-83	1.7																			653.6	
4-83	-2.7	-6.8																		642.2	
1-84	0.4	-0.2	6.9																	653.0	
2-84	4.5	5.5	12.2	17.7																680.2	
3-84	4.1	4.7	8.9	9.9	2.6															684.5	
4-84	4.3	4.8	7.9	8.3	3.9	5.2														693.2	
1-85	4.5	5.0	7.6	7.7	4.6	5.6	6.0													703.4	
2-85	4.6	5.0	7.1	7.2	4.7	5.4	5.5	5.0												712.1	
3-85	5.8	6.3	8.3	8.6	6.8	7.9	8.8	10.3	15.7											738.6	
4-85	6.0	6.5	8.3	8.5	7.1	8.0	8.7	9.6	12.0	8.4										753.7	
1-86	4.7	5.0	6.3	6.3	4.7	5.1	5.1	4.9	4.8	-0.3	-8.3									737.6	
2-86	4.9	5.2	6.5	6.4	5.1	5.5	5.5	5.4	5.5	2.4	-0.6	7.8								751.6	
3-86	4.8	5.0	6.2	6.1	4.9	5.2	5.2	5.0	5.0	2.5	0.6	5.4	3.0							757.2	
4-86	5.0	5.2	6.3	6.3	5.2	5.5	5.5	5.4	5.5	3.6	2.4	6.2	5.4	7.9						771.8	
1-87	4.2	4.4	5.3	5.2	4.1	4.3	4.1	3.9	3.8	1.9	0.6	3.0	1.4	0.6	-6.2					759.6	
2-87	4.2	4.3	5.2	5.1	4.1	4.2	4.1	3.9	3.8	2.2	1.1	3.1	2.0	1.7	-1.3	3.8				766.7	
3-87	4.1	4.2	5.0	4.9	4.0	4.1	4.0	3.8	3.6	2.2	1.4	3.1	2.1	1.9	0.0	3.2	2.6			771.7	
4-87	4.4	4.5	5.3	5.2	4.3	4.5	4.4	4.3	4.2	3.0	2.3	3.9	3.3	3.3	2.2	5.2	5.9	9.2		788.9	
1-88	3.6	3.7	4.3	4.1	3.3	3.4	3.2	3.0	2.8	1.6	0.9	2.1	1.3	1.0	-0.4	1.1	0.3	-0.9	-10.0	768.3P	
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87		

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

DISPOSABLE PERSONAL INCOME IN CURRENT DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																BILLIONS OF DOLLARS ANNUAL RATES			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	8.2																			2,443.2
4-83	11.4	14.6																		2,527.9
1-84	12.2	14.3	14.0																	2,611.8
2-84	10.3	11.0	9.3	4.8																2,642.8
3-84	9.8	10.1	8.7	6.2	7.5															2,691.1
4-84	9.1	9.2	7.9	6.0	6.6	5.7														2,728.6
1-85	8.5	8.5	7.3	5.8	6.1	5.4	5.0													2,762.2
2-85	9.0	9.2	8.3	7.2	7.8	7.9	9.0	13.1												2,848.4
3-85	8.0	8.0	7.0	5.9	6.1	5.8	5.8	6.2	-0.2											2,847.2
4-85	8.0	8.0	7.2	6.3	6.5	6.4	6.5	7.0	4.1	8.6										2,906.6
1-86	8.1	8.1	7.4	6.6	6.8	6.7	6.9	7.4	5.5	8.5	8.4									2,966.0
2-86	8.1	8.0	7.4	6.7	6.9	6.9	7.1	7.5	6.1	8.3	8.1	7.8								3,022.4
3-86	7.6	7.5	6.9	6.2	6.4	6.3	6.3	6.6	5.3	6.7	6.1	4.9	2.1							3,038.2
4-86	7.3	7.2	6.6	5.9	6.1	5.9	5.9	6.1	4.9	6.0	5.3	4.3	2.6	3.1						3,061.6
1-87	7.4	7.3	6.8	6.2	6.3	6.2	6.2	6.4	5.5	6.4	6.0	5.4	4.6	5.9	8.7					3,125.9
2-87	6.9	6.8	6.3	5.7	5.8	5.7	5.7	5.7	4.8	5.6	5.1	4.4	3.6	4.1	4.6	0.6				3,130.6
3-87	7.0	6.9	6.4	5.9	6.0	5.9	5.9	6.0	5.2	5.9	5.6	5.1	4.6	5.2	5.9	4.5	8.5			3,195.3
4-87	7.2	7.1	6.7	6.2	6.3	6.2	6.3	6.4	5.7	6.4	6.1	5.8	5.5	6.2	7.0	6.4	9.4	10.4		3,275.0
1-88	7.1	7.1	6.6	6.2	6.3	6.2	6.2	6.3	5.7	6.3	6.1	5.8	5.5	6.1	6.7	6.2	8.2	8.0	5.6	3,320.2P
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

DISPOSABLE PERSONAL INCOME IN 1982 DOLLARS  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																BILLIONS OF DOLLARS ANNUAL RATES			
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	
3-83	4.3																			2,335.4
4-83	7.2	10.2																		2,392.7
1-84	7.9	9.8	9.4																	2,446.9
2-84	6.3	7.0	5.4	1.6																2,456.6
3-84	5.8	6.2	4.8	2.7	3.7															2,479.2
4-84	5.3	5.5	4.3	2.7	3.3	2.8														2,496.3
1-85	4.8	4.8	3.8	2.4	2.7	2.2	1.7													2,506.8
2-85	5.2	5.3	4.6	3.6	4.1	4.3	5.0	8.5												2,558.4
3-85	4.3	4.3	3.4	2.5	2.6	2.4	2.2	2.5	-3.1											2,538.2
4-85	4.3	4.3	3.5	2.7	2.9	2.8	2.8	3.1	0.6	4.4										2,565.5
1-86	4.5	4.6	3.9	3.3	3.5	3.5	3.6	4.1	2.7	5.8	7.2									2,610.5
2-86	4.8	4.8	4.3	3.8	4.1	4.1	4.3	4.9	4.0	6.5	7.5	7.8								2,660.2
3-86	4.3	4.3	3.8	3.3	3.5	3.4	3.5	3.9	3.0	4.5	4.6	3.3	-1.0							2,653.2
4-86	4.1	4.0	3.6	3.0	3.2	3.1	3.2	3.4	2.5	3.7	3.6	2.4	-0.3	0.5						2,656.7
1-87	4.0	4.0	3.5	3.0	3.1	3.1	3.1	3.3	2.6	3.6	3.4	2.5	0.7	1.6	2.7					2,674.6
2-87	3.4	3.4	2.9	2.4	2.5	2.4	2.3	2.4	1.7	2.4	2.1	1.1	-0.6	-0.4	-0.8	-4.3				2,645.5
3-87	3.5	3.4	3.0	2.6	2.7	2.6	2.5	2.6	2.0	2.7	2.4	1.6	0.4	0.8	0.9	0.0	4.5			2,674.7
4-87	3.6	3.6	3.2	2.8	2.9	2.8	2.8	2.9	2.4	3.0	2.8	2.2	1.3	1.8	2.1	2.0	5.2	6.0		2,713.8
1-88	3.6	3.6	3.2	2.8	2.9	2.8	2.9	3.0	2.5	3.0	2.9	2.4	1.6	2.1	2.4	2.3	4.6	4.6	3.7	2,735.4P
	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87	4-87	

INITIAL QUARTER

P- PRELIMINARY

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

CORPORATE PROFITS AFTER TAXES\*  
COMPOUNDED ANNUAL RATES OF CHANGE

TERMINAL QUARTER	INITIAL QUARTER																		BILLIONS OF DOLLARS ANNUAL RATES
	1-83	2-83	3-83	4-83	1-84	2-84	3-84	4-84	1-85	2-85	3-85	4-85	1-86	2-86	3-86	4-86	1-87	2-87	3-87
2-83	71.7																		126.6
3-83	62.5	53.9																	141.0
4-83	41.4	28.3	7.0																143.4
1-84	37.9	28.2	17.0	27.9															152.5
2-84	28.4	19.4	9.8	11.2	-3.4														151.2
3-84	17.8	9.2	0.3	-1.9	-14.0	-23.5													141.4
4-84	14.0	6.5	-1.0	-2.9	-11.5	-15.2	-6.1												139.2
1-85	5.7	-1.4	-8.4	-11.2	-19.0	-23.6	-23.6	-37.8											123.6
2-85	5.5	-0.7	-6.7	-8.8	-14.8	-17.5	-15.3	-19.6	3.9										124.8
3-85	6.6	1.1	-4.1	-5.6	-10.2	-11.5	-8.3	-9.0	10.1	16.7									129.7
4-85	7.3	2.4	-2.1	-3.2	-7.0	-7.6	-4.0	-3.4	11.8	16.0	15.3								134.4
1-86	3.0	-1.7	-6.0	-7.3	-11.0	-12.0	-9.9	-10.7	-2.2	-4.1	-13.1	-34.5							120.9
2-86	3.1	-1.1	-5.0	-6.2	-9.3	-10.1	-8.0	-8.3	-0.8	-2.0	-7.5	-17.2	4.7						122.3
3-86	4.8	0.9	-2.6	-3.5	-6.1	-6.4	-4.0	-3.7	3.5	3.4	0.4	-4.1	16.0	28.5					130.2
4-86	5.3	1.6	-1.6	-2.2	-4.6	-4.7	-2.4	-1.9	4.7	4.9	2.6	-0.3	14.7	20.0	12.2				134.0
1-87	3.9	0.5	-2.5	-3.2	-5.4	-5.6	-3.6	-3.3	2.2	1.9	-0.4	-3.2	6.7	7.4	-1.8	-14.1			129.0
2-87	4.7	1.5	-1.3	-1.8	-3.8	-3.8	-1.8	-1.4	3.8	3.8	2.1	0.0	8.9	10.0	4.4	0.7	18.2		134.5
3-87	5.7	2.7	0.2	-0.3	-2.0	-1.9	0.1	0.7	5.7	5.9	4.6	3.2	11.3	12.6	9.0	7.9	21.0	23.9	141.9
4-87	6.0	3.2	0.8	0.4	-1.2	-1.1	0.9	1.5	6.1	6.4	5.3	4.1	11.2	12.3	9.4	8.7	17.5	17.2	145.6

1-83 2-83 3-83 4-83 1-84 2-84 3-84 4-84 1-85 2-85 3-85 4-85 1-86 2-86 3-86 4-86 1-87 2-87 3-87

INITIAL QUARTER

\* NATIONAL INCOME BASIS

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS  
APRIL 26, 1988

## HISTORICAL SOURCES OF NATIONAL INCOME AND PRODUCT ACCOUNTS DATA

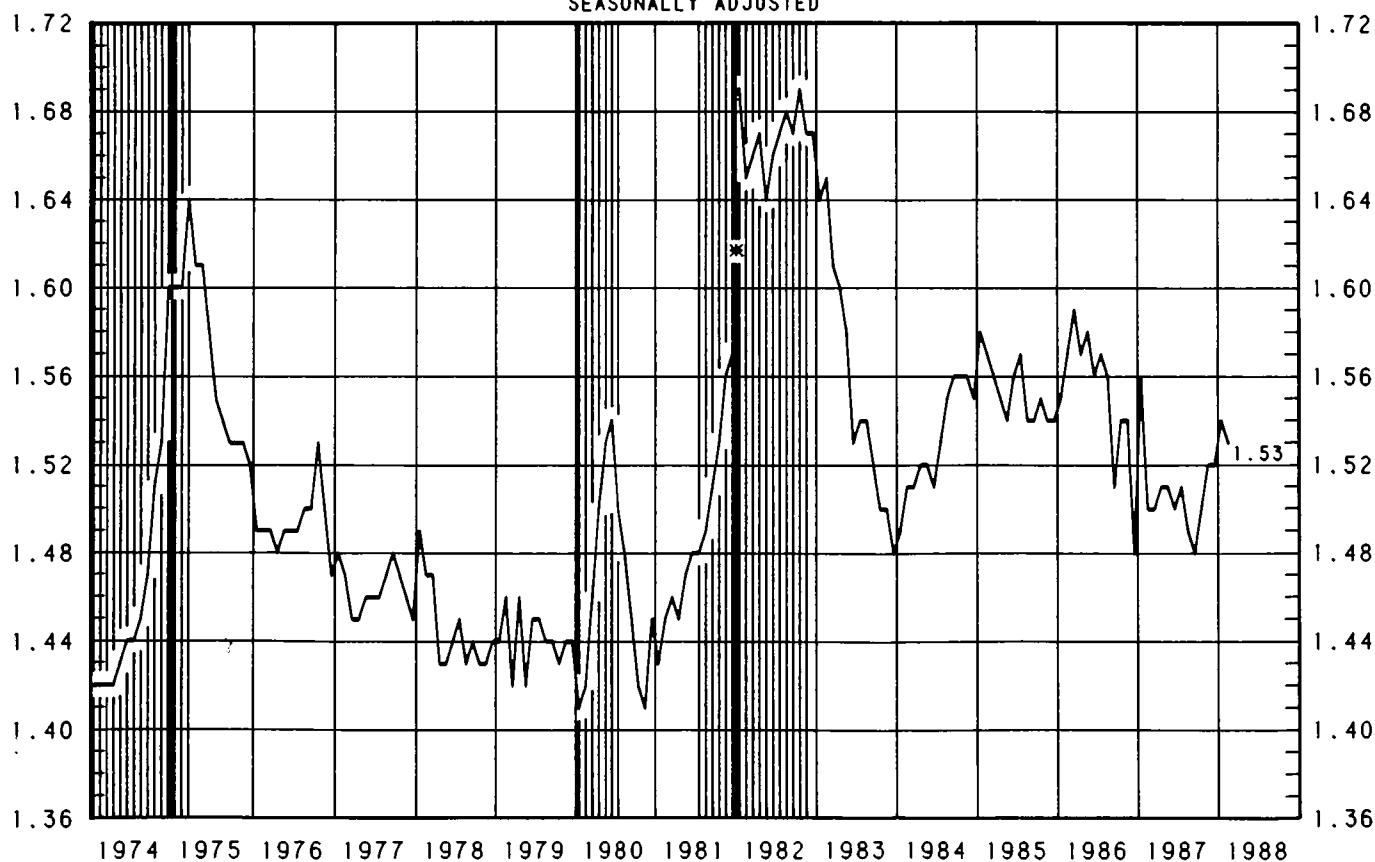
Estimates for the series in the regular quarterly presentation of NIPA tables for 1984-87:11 are published in the July 1987 Survey of Current Business and 1983 in the July 1986 Survey of Current Business. Estimates for NIPA series for 1929-82 are published in The National Income and Product Accounts of the United States, 1929-82: Statistical Tables.

For further information and prices, write to the National Income and Wealth Division (BE-54), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C. 20230.

# INVENTORIES COMPARED WITH MONTHLY SALES

## MANUFACTURING AND TRADE

### SEASONALLY ADJUSTED



SOURCE: U.S. DEPARTMENT OF COMMERCE

\*BEGINNING IN 1982, INVENTORY DATA REFLECT CHANGES IN ESTIMATION PROCEDURES.

SHADED AREAS REPRESENT PERIODS OF BUSINESS RECESSIONS.

LATEST DATA PLOTTED: FEBRUARY PRELIMINARY

REVISED FROM 1981

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS