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COMPOSITE INDEXES OF LEADING, COINCIDENT, AND LAGGING INDICATORS: JUNE 1983

The composite index of leading indicators increased 1.0 percent in June to a level of 155.9 (1967=100), according to preliminary data released today by the Commerce Department's Bureau of Economic Analysis.

On the basis of more complete data, the index increased 1.2 percent in May and increased 1.3 percent in April. A month ago, the bureau reported estimates that showed the index increased 1.2 percent in May and increased 1.4 percent in April. Change in inventories on hand and on order was the major contributor to the April revision.

Six of ten indicators available for June contributed to the increase in the index: average workweek, average weekly initial claims for state unemployment insurance, net business formation, building permits, stock prices, and money supply in 1972 dollars. Average weekly initial claims for state unemployment insurance contributed the greatest increase.

Three of ten decreased: manufacturers' new orders for consumer goods and materials in 1972 dollars, contracts and orders for plant and equipment in 1972 dollars, and change in sensitive materials prices (the weighted 4-month moving average of the monthly changes had a negative effect on the index even though sensitive prices increased at an increasing rate in June). Change in sensitive materials prices contributed the greatest decline.

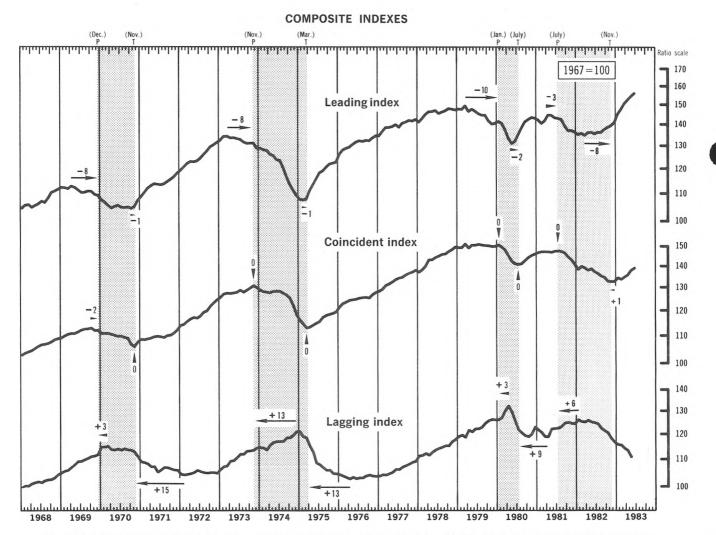
One indicator was unchanged: vendor performance (i.e., companies receiving slower deliveries from vendors).

The composite index of coincident indicators, which is a monthly approximation of aggregate economic activity, increased 0.8 percent in June to a level of 139.1 (1967=100). On the basis of more complete data, the index increased 1.7 percent in May and increased 0.7 percent in April.

The composite index of lagging indicators was not computed for June because only half of its components were available. On the basis of more complete data, the index decreased 2.1 percent in May and decreased 0.8 percent in April. The leading index is designed to predict monthly movements in aggregate economic activity, which is approximated by the coincident index. The lagging index is expected to move, after a time lag, in the same direction as the coincident index and thus to confirm the movements in the coincident index. These concepts are explained more fully in the Handbook of Cyclical Indicators, a supplement to <u>Business Conditions</u> Digest (BCD).

More data on the composite indexes, as well as other important measures of economic activity, appear in <u>BCD</u>. It is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Annual subscription: \$55.00.

Next release date: August 31 for the July composite indexes.



NOTE: P (peak) indicates the end of general business expansion and the beginning of recession; T (trough) indicates the end of general business recession and the beginning of expansion. Thus, the shaded areas represent recessions. The numbered arrows indicate the length of leads (-) and lags (+), in months, from business cycle turning dates.

Table 1. Composite Indexes of Leading, Coincident, and Lagging Indicators

| | Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | IΩ | ΙΙΩ | 1110 | IVQ |
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| $ \begin{array}{c} 1975 \\ 1977 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1979 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 1978 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 1$ | | | 2 | | | | | Leading | n index | (1967=1 | .00) | | | | | | |
| $ \begin{array}{c} 1974 \\ 0.0 & -0.5 & -0.2 & -1.2 & -0.5 & -1.4 & 0.2 & -2.6 & -2.2 & -2.6 & -2.0 & -1.8 \\ 1975 & -1.4 & -0.1 & 0.2 & 3.0 & 3.2 & 2.1 & 2.1 & 0.7 & 1.3 & 1.2 & 0.3 & 0.1 \\ 1976 & -1.7 & 1.5 & 0.6 & 0.4 & 0.9 & 0.8 & 0.5 & -0.2 & 0.4 & -0.2 & 1.0 & 0.7 \\ 0.0 & 1.5 & 1.4 & 0.1 & 0.1 & 0.6 & -0.9 & 1.4 & 0.4 & 0.6 & -0.2 & 0.6 \\ 1977 & 0.3 & -0.1 & 1.2 & -1.9 & 0.8 & 0.7 & -0.9 & 1.4 & 0.4 & 0.6 & -0.2 & 0.6 \\ 1979 & 0.3 & -0.1 & 1.2 & -1.9 & 0.8 & 0.7 & -0.9 & -0.5 & 0.0 & -1.9 & -1.1 & 0.1 \\ 0.6 & -0.7 & -2.1 & -2.9 & -1.9 & 0.8 & 2.3 & 2.4 & 2.1 & 0.0.8 & 0.7 & -0.3 \\ 0.6 & -0.7 & -2.1 & -2.9 & -1.9 & 0.8 & 2.3 & 2.4 & 2.1 & 0.0.8 & 0.7 & -0.3 \\ 0.6 & -0.7 & -2.1 & -2.9 & -1.9 & 0.8 & 2.0 & -0.1 & 0.0 & -1.9 & -1.6 \\ -1.8 & 0.7 & -0.1 & 1.0 & 0.1 & -0.9 & -0.5 & 0.0 & 21.0 & -0.7 & -0.6 & -1.0 \\ 1980 & -0.6 & -0.7 & 1.0 & 0.1 & -0.9 & -0.5 & 0.0 & 21.0 & -0.7 & 0.6 & -1.1 \\ 1981 & -0.6 & -1.2 & 0.9 & 1.3 & 1.2 & p1.0 \\ \hline \end{array}$ | 1975 1976 1977 1978 1979 1980 1981 1982 | 107.7 126.1 134.5 141.0 147.7 141.4 142.1 135.1 | 107.6 128.0 136.5 142.8 147.5 140.4 140.4 135.7 | 107.8 128.8 138.4 144.9 149.3 137.4 141.7 134.7 | 111.0 129.3 138.5 146.3 146.4 133.4 144.6 136.0 | 113.4 130.5 138.9 146.4 147.6 130.9 144.5 136.2 | 115.8 131.6 139.8 146.9 146.5 132.0 143.2 135.5 | 118.2 132.2 138.5 145.4 145.2 135.1 142.9 | 119.0 131.9 140.5 146.2 144.5 138.3 142.4 | 120.6 132.4 141.1 146.8 144.5 141.2 139.3 | 122.0 132.2 141.9 147.9 141.7 142.4 136.9 | 122.4 133.5 141.6 147.6 140.1 143.4 137.0 | 122.8 134.5 142.4 147.2 140.5 143.0 136.2 | 107.7 127.6 136.5 142.9 148.2 139.7 141.4 135.2 | 113.4 130.5 139.1 146.5 146.8 132.1 144.1 135.9 | 119.3 132.2 140.0 146.1 144.7 138.2 141.5 | 122.4 133.4 142.0 147.6 140.8 142.9 136.7 |
| $ \begin{array}{c} 1975 & -1.4 & -0.1 & 0.2 & 3.0 & 2.2 & 2.1 & 2.1 & 0.7 & 1.3 & 1.2 & 0.3 & 0.3 & -3.2 & 5.3 & 5.2 & 2.2 \\ 1977 & 0.7 & 1.5 & 0.1.6 & 0.4 & 0.0.8 & 0.0 & -0.2 & 0.4 & -0.2 & 1.0 & 0.7 \\ -1.0 & 1.3 & 1.5 & 0.1 & 0.0 & 0.1 & 0.3 & -1.0 & 0.6 & 0.4 & 0.7 & -0.2 & -0.3 & -0.6 & -0.4 & -0.7 \\ 1978 & 0.3 & -0.1 & 1.2 & -1.9 & 0.6 & -0.7 & -0.9 & -0.5 & 0.0 & -1.9 & -1.1 & 0.3 \\ 1979 & 0.3 & -0.1 & 1.2 & -1.9 & 0.6 & -0.7 & -0.9 & -0.5 & 0.0 & -1.9 & -1.1 & 0.3 \\ 0.6 & -0.7 & -2.1 & -2.9 & -1.9 & 0.6 & 2.2 & 2.4 & 2.1 & 0.6 & 0.7 & -0.6 & -6.4 & 4.6 & 3 \\ 1989 & -0.6 & -1.7 & 2.0 & 71.3 & 1.2 & p1.0 & 0.5 & -0.3 & -2.0 & -1.7 & 0.6 & -1.6 & -5.4 & 4.6 & 3 \\ 1989 & -0.6 & -1.7 & 2.0 & 71.3 & 1.2 & p1.0 & 0.5 & -0.3 & -2.0 & -1.7 & 0.6 & -1.6 & -1.6 & -2.7 & -1.7 & 1.0 & -1.6 & -7.7 & 7.0 & -1.6 & -1.6 & -7.7 & 7.0 & -1.6 & -1.6 & -7.7 & 7.0 & -1.6 & -1.6 & -7.7 & 7.0 & -1.7 & 1.0 & -1.7 & 7.0 & -1.6 & -1.7 & 1.7 & 1.0 & -1.7 & 7.0 & -1.7 & 1.0 & -1.7 & 7.0 & -1.6 & -1.7 & -1.6 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.7 & -1.$ | | | | | Lead | ing ind | exper | cent ch | nange fi | com prec | ceding n | onth (c | (uarter) | | | 1 | |
| $ \begin{array}{c} 1974 \\ 126.7 \\ 126.7 \\ 126.7 \\ 126.0 \\ 127.6 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\ 116.4 \\$ | 1975 1976 1977 1978 1979 1980 1981 1982 | -1.4 2.7 0.0 -1.0 0.3 0.6 -0.6 -0.8 | -0.1 1.5 1.5 1.3 -0.1 -0.7 -1.2 0.4 | 0.2 0.6 1.4 1.5 1.2 -2.1 0.9 -0.7 | 3.0 0.4 0.1 1.0 -1.9 -2.9 2.0 1.0 | 2.2 0.9 0.3 0.1 0.8 -1.9 -0.1 0.1 | 2.1 0.8 0.6 0.3 -0.7 0.8 -0.9 -0.5 | 2.1 0.5 -0.9 -1.0 -0.9 2.3 -0.2 | 0.7 -0.2 1.4 0.6 -0.5 2.4 -0.3 | 1.3 0.4 0.4 0.0 2.1 -2.2 | 1.2 -0.2 0.6 0.7 -1.9 0.8 -1.7 | 0.3 1.0 -0.2 -0.2 -1.1 0.7 0.1 | 0.3 0.7 0.6 -0.3 0.3 -0.3 -0.6 | -3.2 4.2 2.3 0.6 0.4 -0.8 -1.0 -1.1 | 5.3 2.3 1.9 2.5 -0.9 -5.4 1.9 0.5 | 5.2 1.3 0.6 -0.3 -1.4 4.6 -1.8 | -7.3 2.6 0.9 1.4 1.0 -2.7 3.4 r2.1 |
| $ \begin{array}{c} 1975 \\ 116.2 & 114.6 & 113.0 & 113.3 & 114.1 & 114.9 & 115.6 & 117.3 & 118.1 & 118.5 & 113.6 & 119.5 & 114.6 & 114.1 & 117.0 & 119 \\ 128.1 & 122.0 & 123.6 & 124.5 & 124.6 & 124.8 & 125.3 & 125.5 & 125.6 & 125.3 & 126.8 & 127.8 & 122.6 & 124.6 & 124.8 & 125.7 & 128.1 \\ 12971 & 128.1 & 128.3 & 140.0 & 143.0 & 144.2 & 145.0 & 145.0 & 145.0 & 145.1 & 147.4 & 148.4 & 147.7 & 148.4 & 147.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 148.7 & 1$ | | 1 | | | | | C | oincide | ent inde | ex (1967 | 7=100) | | | | | | |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 1975 1976 1977 1978 1979 1980 1981 1982 | 116.2 121.4 128.3 137.1 149.3 150.7 146.8 138.4 | 114.6 122.9 129.2 138.3 149.4 149.6 147.2 139.9 | 113.0 123.6 130.9 140.0 151.2 148.1 147.2 139.2 | 113.3 124.3 131.6 143.0 149.1 145.1 147.1 138.0 | 114.1 124.6 132.5 143.1 150.6 142.4 146.9 138.8 | 114.9 124.8 133.6 144.2 150.6 141.1 147.5 137.3 | 115.6 125.3 134.3 145.0 151.0 140.8 147.6 | 117.3 125.5 134.6 145.9 150.6 141.2 147.3 | 118.1 125.6 135.8 146.1 150.4 142.7 146.5 | 118.5 125.3 136.6 147.4 150.3 144.2 144.5 | 118.9 126.8 137.2 148.4 149.9 145.3 143.0 | 119.5 127.8 138.1 149.7 150.0 146.1 140.9 | 114.6 122.6 129.5 138.5 150.0 149.5 147.1 139.2 | 114.1 124.6 132.6 143.4 150.1 142.9 147.2 138.0 | 117.0 125.5 134.9 145.7 150.7 141.6 147.1 | 121.9 119.0 126.6 137.3 148.5 150.1 145.2 142.8 r132.6 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | Coinc | ident i | ndexp | ercent | change | from pr | eceding | month | (quarte | r) | | | |
| 1974 114.6 114.4 113.6 115.6 116.7 117.1 117.1 117.2 118.6 118.7 119.7 121.1 114.2 116.5 117.6 119 1975 121.0 119.0 118.6 115.2 112.8 108.6 106.9 105.9 106.0 104.7 104.6 119.5 112.2 106.9 105 1976 104.3 103.8 103.3 102.8 103.4 103.2 103.2 103.9 103.4 103.0 103.4 103.0 103.4 103.0 103.4 103.0 103.4 103.0 103.4 103.4 104.1 105.4 107.0 108 1978 114.4 111.6 112.8 113.7 114.3 114.8 115.3 117.1 118.0 111.8 112.7 12.7 12.3 126.1 122.7 123.3 126.1 122.7 123.3 126.1 120.5 122.2 123.3 124.7 125.5 122.2 123.3 126.1 120.5 121.2 123.3 126.1 120.5 121.2 122.3 | 1975 1976 1977 1978 1979 1980 1981 1982 | -1.9 1.6 0.4 -0.7 -0.3 0.5 0.5 -1.8 | -1.4 1.2 0.7 0.9 0.1 -0.7 0.3 1.1 | -1.4 0.6 1.3 1.2 1.2 -1.0 0.0 -0.5 | 0.3 0.6 0.5 2.1 -1.4 -2.0 -0.1 -0.9 | 0.7 0.2 0.7 0.1 1.0 -1.9 -0.1 0.6 | 0.7 0.2 0.8 0.8 0.0 -0.9 0.4 -1.1 | 0.6 0.4 0.5 0.6 0.3 -0.2 0.1 | 1.5 0.2 0.6 -0.3 0.3 -0.2 | 0.7 0.1 0.9 0.1 -0.1 1.1 -0.5 | 0.3 -0.2 0.6 0.9 -0.1 1.1 -1.4 | 0.3 1.2 0.4 0.7 -0.3 0.8 -1.0 | 0.5 0.8 0.7 0.9 0.1 0.6 -1.5 | -6.0 3.0 2.3 0.9 1.0 -0.4 1.3 -2.5 | -0.4 1.6 2.4 3.5 0.1 -4.4 0.1 -0.9 | 2.5 0.7 1.7 1.6 0.4 -0.9 -0.1 | -4.2 1.7 0.9 1.8 1.9 -0.4 2.5 -2.9 r-2.0 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | Lagging | g index | (1967=1 | .00) | | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1975 1976 1977 1978 1979 1980 1981 1982 | 121.0 104.3 103.8 111.4 119.2 126.2 121.7 126.1 | 119.0 103.8 104.3 111.6 119.7 127.1 120.7 125.3 | 118.6 103.3 104.2 112.3 118.8 130.2 119.0 125.1 | 115.2 102.8 104.7 111.6 121.7 132.3 119.0 125.9 | 112.8 103.4 105.2 112.8 121.0 129.6 122.2 125.1 | 108.6 102.9 106.3 113.7 122.3 125.5 122.4 | 108.0 103.2 106.2 114.3 122.3 121.8 122.5 | 106.9 103.2 107.2 114.8 123.0 120.5 123.3 | 105.9 103.9 107.7 115.4 124.7 119.4 124.7 | 106.0 104.2 108.3 115.3 125.8 119.0 125.0 | 104.7 103.8 109.0 117.1 126.3 120.1 124.5 | 104.6 103.7 109.4 118.0 126.1 123.0 124.4 | 119.5 103.8 104.1 111.8 119.2 127.8 120.5 125.5 | 112.2 103.0 105.4 112.7 121.7 129.1 121.2 | 106.9 103.4 107.0 114.8 123.3 120.6 123.5 | 105.1 103.9 108.9 116.8 126.1 120.7 124.6 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | Lago | ing ind | exper | cent ch | ange fr | om prec | eding m | onth (g | uarter) | | | | |
| | 1975 1976 1977 1978 1979 1980 1981 | -0.1 -0.3 0.1 1.8 1.0 0.1 -1.1 | -1.7 -0.5 0.5 0.2 0.4 0.7 -0.8 | -0.3 -0.5 -0.1 0.6 -0.8 2.4 -1.4 | -2.9 -0.5 -0.6 2.4 1.6 0.0 | -2.1 0.6 0.5 1.1 -0.6 -2.0 2.7 | -3.7 -0.5 1.0 0.8 1.1 -3.2 0.2 | -0.6 0.3 -0.1 0.5 0.0 -2.9 0.1 | -1.0 0.0 0.9 0.4 0.6 -1.1 0.7 | -0.9 0.7 0.5 0.5 1.4 -0.9 1.1 | 0.1 0.3 0.6 -0.1 0.9 -0.3 0.2 | -1.2 -0.4 0.6 1.6 0.4 0.9 -0.4 | -0.1 -0.1 0.4 0.8 -0.2 2.4 -0.1 | -0.3 -1.2 0.2 2.7 2.1 1.3 -0.2 | -6.1 -0.8 1.2 0.8 2.1 1.0 0.6 | -4.7 0.4 1.5 1.9 1.3 -6.6 1.9 | 1.9 -1.7 0.5 1.8 1.7 2.3 0.1 0.9 |

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p, preliminary. r, revised.

NOTE: Quarterly data are averages of monthly figures. Quarterly percent changes are computed from guarterly data. See table 2 for composition of the indexes.

Table 2. Net Contributions of the Individual Components to the Leading, Coincident, and Lagging Indexes

| Indicator | | Basic | data | Net | Direction of change | | | |
|---------------------------------------------------------------------------------------------|----------|----------|----------|----------|------------------------|-------------------|-------------------|-------------------|
| Indicator | Mar. | Apr. | Мау | June | Mar. to Apr. | Apr. to May | May to June | May to June |
| LEADING INDICATORS | | | | | | | | |
| Average workweek, production workers, manufacturing (hours) | 39.5 | 40.1 | r39.9 | p40.1 | 0.47 | -0.16 | 0.19 | + |
| *Average weekly initial claims, state unemployment insurance (thousands) | 479 | 470 | 453 | 406 | 0.05 | 0.10 | 0.36 | + |
| New orders, mfg., consumer goods and materials (billions of 1972 dollars) | 31.84 | 32.16 | r34.04 | p33.26 | 0.05 | 0.28 | -0.14 | |
| Vendor performance, companies receiving slower deliveries from vendors (pct.) | 50 | 52 | 52 | 52 | 0.08 | 0.00 | 0.00 | о |
| Net business formation (index: 1967=100). | r112.6 | r111.3 | r115.0 | p116.3 | -0.16 | 0.46 | 0.19 | + |
| Contracts and orders, plant & equipment (billions of 1972 dollars) | r12.70 | r13.87 | r14.39 | p13.82 | 0.19 | 0.08 | -0.11 | _ |
| Building permits (index: 1967=100) | 118.5 | 124.1 | 132.1 | 142.2 | 0.14 | 0.19 | 0.26 | + |
| <pre>#Change in inventories on hand and on order (ann. rate, billions of 1972 \$)</pre> | r-7.76 | r-5.70 | p-1.50 | NA | 0.11 | 0.23 | NA | |
| <pre>#Change in sensitive materials prices (percent)</pre> | 1.96 | 2.02 | 1.36 | 0.94 | 0.02 | -0.26 | -0.20 | |
| Stock prices, 500 common stocks (index: 1941-43=10) | 151.88 | 157.71 | 164.10 | 166.39 | 0.24 | 0.25 | 0.10 | + |
| Money supply (M2) (billions of 1972 \$) | 883.4 | r880.3 | r884.6 | p890.7 | -0.11 | 0.16 | 0.26 | + |
| Change in creditbusiness and consumer borrowing (annual rate, percent) | -1.4 | -0.6 | r-5.1 | NA | 0.04 | -0.24 | NA | |
| Percent change in Leading index | | | | | 1.26 | 1.25 | 1.04 | |
| COINCIDENT INDICATORS | | | | | | | | |
| Employees on nonagricultural payrolls (thousands) | 88,814 | r89,101 | r89,416 | p89,760 | 0.27 | 0.29 | 0.41 | + |
| Personal income less transfer payments (annual rate, billions of 1972 \$) | r1,078.0 | r1,078.1 | r1,088.7 | p1,092.1 | 0.00 | 0.49 | 0.20 | + |
| Industrial production, total (index: 1967=100) | r140.0 | 142.7 | 144.3 | p145.9 | 0.53 | 0.31 | 0.40 | + |
| Manufacturing and trade sales (millions of 1972 dollars) | r155,388 | r156,140 | p161,478 | NA | 0.11 | 0.75 | NA | |
| Percent change in Coincident index | | | | | 0.74 | 1.69 | 0.80 | |
| LAGGING INDICATORS | | | | | | | | |
| *Average duration of unemployment (weeks) | 19.1 | 19.0 | 20.4 | 22.0 | 0.04 | -0.51 | -1.05 | |
| Ratio, deflated inventories to sales, manufacturing and trade (ratio) | r1.66 | r1.65 | p1.60 | NA | -0.13 | -0.66 | NA | |
| Labor cost per unit of output, mfg actual as percent of trend (percent) | r96.3 | r95.1 | r94.2 | p93.3 | -0.44 | -0.33 | -0.64 | _ |
| Average prime rate charged by banks (percent) | 10.50 | 10.50 | 10.50 | 10.50 | 0.00 | 0.00 | 0.00 | 0 |
| Commercial and industrial loans outstanding (millions of 1972 \$) | 105,668 | r104,466 | r102,593 | NA | -0.30 | -0.48 | NA | |
| Ratio, consumer installment credit to personal income (percent) | r12.93 | r12.92 | p12.88 | NA | -0.04 | -0.15 | NA | |
| Percent change in Lagging index | | | | | -0.79 | -2.12 | NA | |

* Series is inverted in calculating the composite index: a decrease in this series is considered an upward movement.

Smoothed by a weighted 4-month moving average (with weights 1,2,2,1) placed at the terminal month of the span.

NA, not available. p, preliminary. r, revised. e, estimated.

NOTE: The net contribution of an individual component is that component's share in the composite movement of the group. The percent change in the index equals (except for rounding differences) the sum of the net contributions of the individual components plus the trend adjustment factor of 0.139 for the leading index, -0.175 for the coincident index, and 0.018 for the lagging index.