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## SUPPLEMENT

CURRENT ECONOMIC AND EINANCIAL CONDITIONS

Prepared for the Federal Open Market Committee

[^1]
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THE DOMESTIC NONEINANCIAL ECONOMY
Industrial Production and Capacity Utilization
The index of industrial production rose 0.5 percent in July. During the past four months, the index has retraced nearly one-half of the decline that occurred between last September and March of this year. Since April, rising output of motor vehicles. construction supplies, and related materials have been major factors in the recovery of industrial production.

Last month, a 10 percent rise in motor vehicle assemblies contributed 0.15 percentage point to the total increase in the index. Excluding motor vehicies, output of durable consumer goods deciined because the production of appliances, which surged in June. feli back in July; nonetheless, the level of appliance output in July was about 9 percent above its low of last December. In addition, production of carpeting and furniture was flat in July after a strong showing in June. The output of nondurable consumer goods edged up again in July, mainly because of another gain in apparel production. Production of business equipment firmed a bit last month, although apart from the rise in motor vehicle assemblies and a surge in production of turbines, the gains were small.

Production of construction supplies rose 0.6 percent in July, somewhat less than the average monthly gain of more than 1 percent in the preceding three months. A further increase in the production af Iumber was the principal contributor to the overall rise. Despite the recent strong gains, the level of output of construction supplies was still nearly 10 percent below its most recent high, which occurred in early 1990.

Output of materials rose another 0.7 percent in July. Within durables, materials related to motor vehicle production posted further gains, along with basic metals. Among nondurables, textiles showed another significant gain, and output of paper rose sharply for a second month. Production of energy materials was little changed in July: Increases in coal, electricity generation, and crude oil were nearly offset by a sharp curtailment in output of natural gas.

Production in manufacturing advanced 0.6 percent in July: as a result, capacity utilization in manufacturing increased 0.2 percentage point to 78.4 percent. The overall factory operating rate remains a percentage point below its level at year-end 1990 and $6-3 / 4$ percentage points below its recent high in January 1989.

## Motor Vehicle Sales

After running close to $10-1 / 2$ million units (annual rate) in June and July, sales of new domestic cars and light trucks were 10 million units (annual rate) during the first ten-day selling period in August. ${ }^{1}$ Auto sales dropped back to a $6-1 / 2$ million unit rate after averaging 6-3/4 million units (annual rate) in the preceding two months; truck sales also moved slightly lower than their June-July average.

## Consumer Sentiment

Based on the first 323 (of an eventual 500) responses to the University of Michigan's survey, the composite index of consumer sentiment fell 3.3 points to a level of 79.6 . Much of the slippage occurred in the "expected conditions" component, although the "current conditions" component declined as well. Respondents' average expected

1. Ten-day sales are seasonally adjusted using FRB factors prorated to BEA's monthly seasonal factors.
price increase during the next 12 months remained at 38 percent. but the average expected annual increase over the next five to ten years dropped from 5.5 percent in July to 4.8 percent in August.

Housing Markets
Private housing starts recovered further in July. As has been the case so far in the current upturn, an increase in single-family construction accounted for almost all the July rise in starts. Single-family starts reached 894,000 units (annual rate) in July, the highest level since May 1990. Moreover, permit issuance for single family homes rose further to 792.000 units (annual rate). Multifamily starts edged up in July to 176,000 units (annual rate), a level that remains close to the $30-y e a r$ low recorded in May.

On a regional basis, total housing starts in July strengthened noticeably in the South and were up in the West: in the Northeast, a steep decline in new homebuilding likely represents a return to a more sustainable level of activity following a surge in starts in June. Real GNP in 1991:Q2

Based on the information received to date, the staff expects that the preliminary estimate of real GNP to be released on August 28 will be little changed from the advance release, which showed real GNP up at a 0.4 percent annual rate and real GDP having risen at a 1.2 percent rate. However, the composition of real GNP likely will be noticeably different than estimated earlier: Inventory liquidation appears to have been somewhat greater than the BEA anticipated earlier, and final sales appear to be stronger. The staff is expecting upward revisions to net merchandise exports and personal consumption expenditures that should more than offset a downward adjustment to real spending on nonresidential construction.

GROWTH IN SELECTED COMPONENTS OF INDUSTRIAL PRODUCTION (Porcent change from preceding comparable period)

|  | ```Proportion in total IP 1990:Q4``` | 19901 | 1990 | 1991 |  | 1991 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 84 | Q1 | Q2 | May | June | July |
|  | ----Annual rate---- |  |  |  |  |  |  |  |
| Total index | 100.0 | 0.3 | -7.0 | -9.7 | 2.2 | 0.8 | 0.6 | 0.5 |
| Excluding motor vehicles and parts | 96.2 | 0.8 | -4.9 | -8.6 | 0.7 | 0.7 | 0.5 | 0.3 |
| Products, total | 61.4 | 0.6 | -5.3 | -8.8 | 1.6 | 0.7 | 0.4 | 0.3 |
| Final products | 46.9 | 1.1 | -5.3 | -7.3 | 2.2 | 0.4 | 0.3 | 0.4 |
| Consumer goods | 25.7 | -0.7 | -3.8 | $-7.0$ | 5.3 | 0.9 | 0.6 | 0.4 |
| Automotive products | 2.2 | -7.3 | -37.6 | -24.6 | 40.3 | 3.2 | 2.8 | 3.4 |
| Other consumer goods | 23.5 | 0.0 | 0.4 | -5.3 | 2.6 | 0.7 | 0.4 | 0.1 |
| Durables | 3.0 | -3.9 | -16.2 | -10.9 | 12.0 | 0.4 | 2.4 | -0.6 |
| Nondurables | 20.5 | 0.6 | 3.2 | -4.4 | 1.4 | 0.8 | 0.1 | 0.2 |
| Energy | 2.7 | -2.3 | -2.4 | -5.5 | 4.2 | 4.1 | -1.1 | 0.4 |
| Other | 17.8 | 1.0 | 4.1 | -4.3 | 1.0 | 0.3 | 0.3 | 0.2 |
| Business equipment | 15.9 | 4.2 | $-7.6$ | -7.4 | 2.0 | 0.2 | $-0.0$ | 0.8 |
| Motor vehicles | i. 0 | -9.4 | -49.8 | -42.2 | 66.6 | 4.2 | 3.3 | 6.4 |
| Other business equipment | 14.8 | 5.3 | -3.4 | -4.6 | -1.2 | -0.1 | -0. 3 | 0.4 |
| and related | 6.6 4.3 | 5.1 1.3 | 0.4 -10.2 | 7.0 -14.2 | 0.3 -2.9 | -0.2 0.0 | -0.7 | 0.2 1.1 |
| Defense and space equip. | 4.8 | -0.2 | -4.7 | -8.6 | -11.2 | -1.1 | -0.9 | -0.7 |
| Construction supplies | 5.7 | -4.6 | -12.0 | -21.2 | -0.3 | 1.1 | 1.2 | 0.6 |
| Material* | 38.6 | -0.1 | $-9.7$ | -11.0 | 3.2 | 1.2 | 1.0 | 0.7 |
| Durable | 19.6 | -0. 5 | -13.9 | -16.7 | 3.1 | 1.2 | 0.9 | 1.0 |
| Nondurable | B. 8 | 0.5 | -5.5 | -7.0 | 1.1 | 0.7 | 1.2 | 0.7 |
| Energy | 10.2 | 0.0 | -4.5 | -3.0 | 5.1 | 1.4 | 1.0 | 0.2 |
| Memorandurn: <br> Major industry groups: <br> Manufacturing <br> Excluding motor vehicles and parts |  |  |  |  |  | - |  |  |
|  | 84.9 | 0.3 | -7.4 | -10.4 | 1.9 | 0.6 | 0.7 | 0.6 |
|  | 81.0 | 0.9 | -4.9 | -9.2 | 0.1 | 0.4 | 0.6 | 0.4 |
| Mining | 7.5 | 2.4 | -1.4 | -4.0 | $-3.0$ | -0. 3 | 1.9 | -0.9 |
| Utilities | 7.6 | -2.1 | -7.6 | -7.6 | 10.2 | 4.8 | -1.4 | 0.7 |

1. From the final quarter of the previous period to the final quarter of the period indicated.

CAPACITY OTILIZATION IN MANUFACTURING
(Percent of capacity; seasonally adjuated)

|  | 1967-89 | 1988-89 | 1990 | 1991 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Avg. | High | July | May | June | July |
| Total industry | 82.2 | 85.0 | 83.8 | 79.1 | 79.5 | 79.7 |
| Manufacturing | 81.5 | 85.1 | 83.1 | 77.8 | 78.2 | 78.4 |
| Primary processing Advanced processing | $\begin{aligned} & 82.3 \\ & 81.1 \end{aligned}$ | $\begin{aligned} & 89.0 \\ & 83.6 \end{aligned}$ | $\begin{aligned} & 86.1 \\ & 81.8 \end{aligned}$ | $\begin{array}{r} 79.1 \\ 77.3 \end{array}$ | $\begin{aligned} & 80.1 \\ & 77.4 \end{aligned}$ | $\begin{aligned} & 80.8 \\ & 77.5 \end{aligned}$ |

UNIVERSITY OF MICHIGAN SURVEY RESEARCH CENTER: SURVEY OF CONSUMER ATTITUDES (Not seasonally adjusted)


## Personal financial situation

Now compared with 12 months ago*
Expected in 12 months*


* -- Indicates the question is one of the five equally-weighted components of the index of sentiment. Note: Figures on financial, business, and buying conditions are the percent reporting 'good times' (or 'better') minus the percent reporting 'bad times' (or 'worse'), plus 100.

PRIVATE HOUSING ACTIVITY
(Seasonally adjusted annual rates; millions of units)

|  | 1990 | 1990 |  | 991 |  | 1991 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Annual | Q4 | Q1 | $82^{2}$ | $\mathrm{May}^{\text {r }}$ | June ${ }^{\text {r }}$ | July ${ }^{\text {p }}$ |
| All units |  |  |  |  |  |  |  |
| Permits | 1.11 | . 90 | . 86 | . 96 | . 97 | 1.00 | 1.00 |
| Starts | 1.19 | 2.04 | . 92 | 1.00 | . 98 | 1.03 | 1.07 |
| Single-family units |  |  |  |  |  |  |  |
| Pemits | . 79 | . 67 | . 67 | . 76 | . 76 | . 78 | . 79 |
| Starts | . 90 | . 79 | . 73 | . 83 | . 83 | . 86 | . 89 |
| Sales |  |  |  |  |  |  |  |
| New homes | . 53 | . 47 | . 47 | . 51 | . 49 | . 53 | n.a. |
| Existing homes | 3.30 | 3.12 | 3.09 | 3.48 | 3.54 | 3.59 | n.a. |
| Multifamily units |  |  |  |  |  |  |  |
| Permits | . 32 | . 23 | . 19 | . 20 | . 21 | . 22 | . 21 |
| Starts | . 30 | . 26 | . 19 | . 17 | . 15 | . 17 | . 18 |
| Vacancy rate ${ }^{1}$ |  |  |  |  |  |  |  |
| Rental units | 9.1 | 9.0 | 9.4 | 9.4 | n.a. | п.a. | n.a. |
| Owned units | 7.2 | 6.6 | 7.6 | 7.1 | n.a. | п.a. | n.a. |

1. Fercent. Owned units consist mainly of condominiums.
$p$ Preliminary. r Revised estimates. n.a. Not available.

PRIVATE HOUSING STARTS
(Seasonally adjusted annual rate)


Unemployment Insurance
(Weekly data; seasonally adjusted, FRB basis <1>)



## THE FINANGIAL ECONOMY

## Senior Financial Officer and Loan Officer Surveys ${ }^{2}$

In view of the unusual weakness of the monetary aggregates and bank credit in recent months, the System recently conducted two surveys of large commercial banks. requesting information on retail deposit behavior, loan demand, and lending standards.

On the Senior Financial Officer Survey, more than half of the 45 banks that have responded to date indicated that retail deposit growth at their institution has been unusually weak since the end of May. The most frequently cited reason for the unusually slow growth was the more attractive returns available on nondeposit instruments, such as bond funds and Treasury securities: Of the banks experiencing unusually weak deposit growth, about three-quarters considered this a factor. In addition, more than half of them attributed some of the weakness to changes in their own deposit rates, fee structures, or promotional expenditures. Indeed. banks with slow deposit growth more often reported that they had lowered their deposit rates relative to other banks in their market, had increased fees, or reduced advertising and other promotional efforts. Other reasons for the slow growth--including the condition of the local economy, rates and terms offered by other depositories, concerns about deposit safety, and changes in their own promotion of nondeposit investments--also were given, but less frequently.

Several questions on the survey dealt with possible reasons for changes in banks' demands for retail deposits. About 20 percent of respondents indicated that increased deposit insurance premiums had
2. A more extensive analysis of the survey results will be available next week.
reduced somewhat their demands for retail deposits. And a handful of the eighteen banks that had acquired retail deposits from failed depository institutions indicated that this had made them less aggressive in seeking additional deposits. A larger share, about a third of the surveyed banks. reported that the weak pace of asset growth had decreased their demands for retail deposits, and about half said it had reduced their demands for wholesale liabilities.

With regard to the strength of customers" demands for loans, about a third of the banks indicated that large corporations had exhibited weaker-than-normal loan demand in recent months, with reduced inventory and fixed investment financing needs most often cited as the reasons. Loan demand on the part of middle-market and small business customers appeared to have been about the same as usual, with roughly the same number of respondents reporting increased as decreased demand. In the home mortgage and consumer markets, the balance tipped toward those reporting stronger demands for credit. In general, those banks reporting unusually slow deposit growth tended to be a bit more likely to report weaker loan demand.

Results from the Senior Loan Officer Survey show a further reduction in the net share of banks that had tightened credit availability over the last three months. Only 10 to 15 percent of domestic respondents reported some tightening of credit standards for business borrowers, and a couple indicated some easing. The waning of the trend toward tightening was even more evident at foreign-related institutions.

The number of respondent banks imposing stricter terms on the loans that are being made was higher than the number tightening standards, but it, too, was down noticeably from that in the May survey. In the commercial real estate area, the tightening of
standards over the most recent three months continued at about the same pace reported in the prior survey, with about a quarter of the domestic respondents reporting further tightening. Lending standards for residential mortgages were also raised, but the number of banks tightening declined, as it had in the May survey. On balance, banks reported no change in their willingness to provide consumer credit over the last three months.

Of those reporting tightened credit standards for approving construction and land development loans in the last year, more than four-fifths of respondent domestic banks had tightened lending practices in the following areas over that period: preleasing (share of units under lease commitments prior to loan), borrower equity. and collateral. About seven out of ten domestic respondents raised the spreads of loan rates over the cost of funds. Somewhat smaller fractions of foreign banks changed these practices.



Selected components

| 4. | M1-A | 4.6 | 5.7 | 3.9 | 7.3 | 6.4 | -2.0 | 545.5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5. | Currency | 11.0 | 15.3 | 3.9 | 0.9 | 3.7 | 6.1 | 258.9 |
| 6. | Demand deposits | -0.6 | -2.5 | 4.5 | 12.6 | 9.9 | -9.0 | 278.9 |
| 7. | Other checkable deposits | 3.5 | 6.1 | 13.5 | 24.6 | 15.2 | 8.5 | 314.2 |
| 8. | M2 minus M $\mathrm{Ml}^{2}$ | 3.7 | 2.6 | 3.7 | 1.1 | -1.3 | -5.6 | 2528.3 |
| 9. | Overnight RPs and Eurodollars, MSA | 3.0 | -42.3 | -16.0 | -34.7 | $-23.2$ | -58.4 | 62.6 |
| 10. | General purpose and broker/dealer money market mutual fund shares | 11.0 | 18.2 | 6.6 | 3.0 | -2.6 | -16.1 | 359.4 |
| 11. | Commercial barks | 9.9 | 8.2 | 7.3 | 5.8 | 8.7 | 5.2 | 1226.6 |
| 12. | Savings deposits plus MmDAs ${ }^{3}$ | 7.5 | 7.5 | 16.7 | 17.3 | 16.3 | 11.6 | 625.6 |
| 13. | Small time deposits | 12.4 | 8.9 | -1.8 | -5.8 | 1.0 | -1.4 | 601.0 |
| 14. | Thrift institutions | -5.5 | -6.3 | -1.5 | -0.1 | -11.2 | -9.0 | 882.1 |
| 15. | Savings deposits plus MmDAs ${ }^{3}$ | -2.2 | -0.7 | 18.4 | 22.9 | 11.7 | 10.3 | 364.5 |
| 26. | Small time deposits | -7.3 | -9.8 | -13.7 | -14.9 | -26.5 | -22.1 | 517.7 |
| 17. | M3 minus M24 | -6.4 | 6.7 | -10.2 | -15.4 | -17.4 | -8.5 | 761.3 |
| 18. | Large time deposits | -9.5 | 1.2 | -7.6 | -8.0 | -11.7 | -17.3 | 491.8 |
| 19. | At commercial banks, net ${ }^{5}$ | -3.5 | 11.9 | 0.3 | 2.4 | -3.6 | -12.1 | 394.1 |
| 20. | At thrift institutions | -23.9 | -32.1 | -34.8 | -46.3 | -42.4 | -38.1 | 97.7 |
| 21. | Institution-only money market mutual fund shares | 20.2 | 49.9 | 23.0 | 4.9 | -23.8 | -12.6 | 141.8 |
| 22. | Term RPs, MSA | -12.0 | -32.8 | -25.6 | -16.1 | -34.1 | 22.9 | 80.2 |
| 23. | Term Eurodollars, NSA | -12.1 | 7.9 | -31.2 | -47.5 | -7.3 | 11.1 | 65.7 |

## MEMORANDA:

```
24. Managed liabilities at commercial
    barks (25+26)
25. Large time daposits, gross
26. Nondeposit funds
27. Net cure to related foreign
            institutions
28. Othar'
29. U.S. govermment deposits at commercial
        barks*
24. Managed liabilities at commercial
barks \((25+26)\)
25. Large time deposits, gross
26. Nordeposit funds
27. Net due to related foreign
28. \begin{tabular}{l} 
institutions \\
29. U.S. government deposits at commercial \\
banks
\end{tabular}
1. Amounts shown ara from fourth quartar to fourth quarter.
2. Nontransactions M2 is seasonally adjusted as a whole.
3. Commercial bank savings deposits excluding Mmpas grew during June and July at rates of 21
percent and 13.9 percent, respectively. At thrift institutions, savirgs deposits excluding rempas grew during June and July at rates of 11.4 percent and 8 percent, respectively.
4. The non-M2 component of \(M 3\) is seasonally adjusted as a whole.
5. Net of large denomination time deposits held by money market autual funds and thrift institutions.
6. Dollar amounts shown under mamorancta are calculated on an end-month-of-quarter basis.
7. Consists of borrowing from other than commercial barks in the form of feaderal funds purchased, securities sold under agreements to repurchase, and other liabilities for borrowed money fincluding borrowing from the Federal Reserve and unaffiliated foreign banks, loan RPs and other minor items). Data are partially estimated
8. Consists of Treasury demand deposits and note balances at conmercial banks.
p - preliminary
```

    -----Average monthly change in bilitions of dollars----
    |  | 1989 |  | 1990 | 1991 |  | Change from: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | March highs | $\begin{aligned} & \text { Dec } \\ & \text { lows } \end{aligned}$ | Aug highs | $\begin{array}{r} \text { FOMC } \\ \text { Jul } 3 \end{array}$ | Aug 15 |  | Aug 90 highs | $\begin{aligned} & \text { FOMC } \\ & \text { Jul } 3 \end{aligned}$ |
| Short-term rates |  |  |  |  |  |  |  |  |
| Federal funds ${ }^{2}$ | 9.85 | 8.45 | 8.21 | 5.78 | 5.64 |  | -2.57 | -0.14 |
| Treasury bills ${ }^{3}$ |  |  |  |  |  |  |  |  |
| 3-month | 9.09 | 7.53 | 7.59 | 5.56 | 5.30 |  | -2.29 | -0.26 |
| 6-month | 9.11 | 7.29 | 7.51 | 5.69 | 5.35 |  | -2.16 | -0.34 |
| 1-year | 9.05 | 7.11 | 7.45 | 6.00 | 5.35 |  | -2.10 | -0.65 |
| Commercial paper |  |  |  |  |  |  |  |  |
| 1-month | 10.05 | 8.51 | 8.10 | 6.05 | 5.69 |  | -2.41 | -0.36 |
| 3-month | 10.15 | 8.22 | 8.05 | 6.13 | 5.67 |  | -2.38 | -0.46 |
| Large negotiable $\mathrm{CDs}^{3}$ |  |  |  |  |  |  |  |  |
| 1 -month | 10.07 | 8.52 | 8.14 | 5.95 | 5.61 |  | -2.53 | -0.34 |
| 3-month | 10.32 | 8.22 | 8.18 | 6.04 | 5.61 |  | -2.57 | -0.43 |
| 6-month | 10.08 | 8.01 | 8.25 | 6.33 | 5.76 |  | -2.49 | -0.57 |
| Eurodollar deposits ${ }^{4}$ |  |  |  |  |  |  |  |  |
| 1 -month | 10.19 | 8.38 | 8.13 | 5.94 | 5.56 |  | -2.57 | -0.38 |
| 3-month | 10.50 | 8.25 | 8.19 | 6.06 | 5.56 |  | -2.63 | -0.50 |
| Bank prime rate | 11.50 | 10.50 | 10.00 | 8.50 | 8.50 |  | -1.50 | 0.00 |
| Intermediate- and long-term rates |  |  |  |  |  |  |  |  |
| U.S. Treasury (constant maturity) |  |  |  |  |  |  |  |  |
| 3-year | 9.88 | 7.69 | 8.50 | 7.40 | 6.73 |  | -1.77 | -0.67 |
| 10-year | 9.53 | 7.77 | 9.05 | 8.26 | 7.84 |  | -1.21 | -0.42 |
| 30-year | 9.31 | 7.83 | 9.17 | 8.42 | 8.09 |  | -1.08 | -0.33 |
| ```Municipal revenue }\mp@subsup{}{}{5 (Bond Buyer)``` | 7.95 | 7.28 | 7.80 | 7.30 | 7.03 |  | -0.77 | -0.27 |
| Corporate-A utility recently offered | 10.47 | 9.29 | 10.50 | 9.52 | 9.24 |  | -1.26 | -0.28 |
| Home mortgage rates ${ }^{6}$ |  |  |  |  |  |  |  |  |
| SEL fixed-rate | 11.22 | 9.69 | 10.29 | 9.67 | 9.27 |  | -1.02 | -0.40 |
| S\&L ARM, 1-yr. | 9.31 | 8.34 | 8.39 | 7.25 | 7.14 |  | -1.25 | -0.11 |
|  |  |  |  |  |  |  |  |  |
|  | Record highs | Date | Lows <br> Jan 3 | $\begin{array}{r} \text { FOMC } \\ \text { Jul } 3 \end{array}$ | Aug 15 | Record highs | $\begin{aligned} & 1989 \\ & \text { lows } \end{aligned}$ | $\begin{array}{r} \text { FOMC } \\ \text { Jul } 3 \end{array}$ |
| Stock prices |  |  |  |  |  |  |  |  |
| Dow-Jones Industrial | 3035.33 | 6/3/91 | 2144.64 | 2934.70 | 2998.43 | -1.22 | 39.81 | 2.17 |
| NYSE Composite | 213.75 | 8/7/91 | 154.00 | 204.47 | 213.38 | -0.17 | 38.56 | 4.36 |
| Amex Composite | 397.03 | 10/10/89 | 305.24 | 358.41 | 367.99 | -7. 31 | 20.56 | 2.67 |
| NASDAQ (OTC) | 517.68 | 8/14/91 | 378.56 | 474.32 | 515.67 | -0.39 | 36.22 | 8.72 |
| Wilshire | 3741.74 | 8/14/91 | 2718.59 | 3563.19 | 3737.63 | -0.11 | 37.48 | 4.90 |

1/ One-day quotes except as noted.
2/ Average for two-week reserve maintenance period closest to date shown. Last observation is average to date for the maintenance period ending August 21, 1991.

3/ Secondary market.
4/ Bid rates for Eurodollar
deposits at Il a.m. London time.
5/ Based on one-day Thursday quotes and futures market index changes.
6/ Quotes for week ending Friday closest to date shown.

## THE INTERNATIONAL ECONOMY

## U.S. Merchandise Trade through June 1991

In June, the U.S. merchandise trade deficit was $\$ 4.0$ billion (seasonally adjusted. Census basis), somewhat less than the revised May deficit of $\$ 4.8$ billion. (See the tables that follow.) The level of both exports and imports declined in June. Most of the 1 percent decline in exports was in agricultural products and industrial supplies (primarily fuels and chemicals). The 3 percent decrease in imports was spread across most major trade categories (except automotive products from Japan).

The deficit narrowed in the second quarter, the third consecutive quarter of improvement. There was strong growth in the value of exports (about 4 percent) from the first to second quarters and only a small increase in the value of imports (less than 1 percent). The increase in exports was primarily in machinery, commercial aircraft, and automotive products. The small rise in imports resulted from increases in foods and capital goods (particularly computers and aircraft) that were nearly offset by declines in oil and automotive products. The price of oil declined about $\$ 3$ per barrel in the second quarter (and by about $\$ 12$ per barrel since the fourth quarter) ; the quantity of oil rose by 1 million barrels per day from the firstquarter rate. The reduction in automotive imports was for the third consecutive quarter. In the second quarter, the decline in automotive imports was the result of large and nearly offsetting swings in imports from Japan and Canada: There was a sharp reduction in shipments from Japan and a large increase in automotive imports from Canada. In the previous two quarters, all of the decline in automotive imports was from Canada.

Merchandise Trade: Census-Based Data (in billions of dollars, seasonally adjustedx)

|  | Exports |  |  | Imports |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Ag . | NonAg. | \| Total | Oil | Non0il | \| Balance |
| 1988 | 322.4 | 37.7 | 284.7 | 441.0 | 38.5 | 402.5 | -118.5 |
| 1989 | 363.8 | 42.2 | 321.6 | 473.2 | 48.9 | 424.3 | -109.4 |
| 1990 | 394.5 | 40.3 | 354.2 | 495.0 | 62.2 | 432.8 | -100.5 |

Quarters at annual rates:

| 1990 |  | $\begin{aligned} & 384.9 \\ & 396.2 \\ & 386.7 \\ & 410.0 \end{aligned}$ | 43.1 41.5 38.5 37.9 | $\begin{aligned} & 341.8 \\ & 354.7 \\ & 348.2 \\ & 372.1 \end{aligned}$ | $\begin{aligned} & 489.7 \\ & 482.4 \\ & 498.0 \\ & 509.9 \end{aligned}$ | 63.3 51.3 61.9 72.1 | $\begin{aligned} & 426.4 \\ & 431.1 \\ & 436.1 \\ & 437.7 \end{aligned}$ | $\begin{array}{r} -104.8 \\ -86.2 \\ -111.3 \\ -99.8 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1991 |  | $\begin{aligned} & 407.1 \\ & 423.0 \end{aligned}$ | $\begin{aligned} & 39.3 \\ & 38.3 \end{aligned}$ | $\begin{aligned} & 367.8 \\ & 384.7 \end{aligned}$ | $\begin{aligned} & 474.9 \\ & 476.2 \end{aligned}$ | $\begin{aligned} & 52.9 \\ & 51.7 \end{aligned}$ | $\begin{aligned} & 422.0 \\ & 424.6 \end{aligned}$ | $\begin{aligned} & -67.8 \\ & -53.3 \end{aligned}$ |
| Monthly Rates: |  |  |  |  |  |  |  |  |
| 1990 | Jan | 31.4 | 3.7 | 27.7 | 41.6 | 5.8 | 35.8 | -10.2 |
|  | Feb | 31.6 | 3.5 | 28.1 | 39.1 | 5.2 | 34.0 | -7.6 |
|  | Mar | 33.3 | 3.6 | 29.6 | 41.7 | 4.8 | 36.9 | -8.4 |
|  | Apr | 32.1 | 3.3 | 28.7 | 39.7 | 4.1 | 35.7 | -7.7 |
|  | May | 32.8 | 3.4 | 29.4 | 40.7 | 4.6 | 36.1 | -8.0 |
|  | Jun | 34.2 | 3.7 | 30.6 | 40.1 | 4.2 | 36.0 | -5.9 |
|  | Jul | 32.1 | 3.2 | 28.9 | 41.4 | 4.2 | 37.2 | -9.2 |
|  | Aug | 32.5 | 3.3 | 29.2 | 41.8 | 5.3 | 36.5 | -9.3 |
|  | Sep | 32.0 | 3.1 | 28.9 | 41.3 | 5.9 | 35.4 | -9.3 |
|  | Oct | 35.0 | 3.1 | 31.9 | 44.5 | 6.3 | 38.2 | -9.5 |
|  | Nov | 34.2 | 3.3 | 30.9 | 43.1 | 6.5 | 36.6 | -8.9 |
|  | Dec | 33.3 | 3.1 | 30.2 | 39.9 | 5.3 | 34.6 | -6.6 |
| 1991 |  |  | 3.1 | 31.0 | 41.5 | 5.2 | 36.3 | -7.4 |
|  | Feb | 33.6 | 3.4 | 30.2 | 39.1 | 4.1 | 35.0 | -5.5 |
|  | Mar | 34.0 | 3.3 | 30.7 | 38.1 | 3.8 | 34.3 | -4.1 |
|  | Apr | 35.6 | 3.2 | 32.5 | 40.1 | 4.1 | 36.1 | -4.5 |
|  | May | 35.3 | 3.3 | 31.9 | 40.1 | 4.6 | 35.4 | -4.8 |
|  | Jun | 34.8 | 3.1 | 31.8 | 38.9 | 4.2 | 34.7 | -4.0 |

* All data are on a revised end-use basis.

Source: U.S. Department of Commerce, Bureau of the Census, Customs Valuation.

August 16, 1991
.5. MERCHANDISE TRADE: SUMmARY OF MONTHS AND QUARTERS -- LEVELS
illions of dollars, seasonally adjusted lexcept as notedl, Census-basis Data

|  | $\begin{array}{r} 1991 \\ \text { Feb } \end{array}$ | 1991 Mar | $1991$ Apr | $\begin{array}{r} 1991 \\ \text { May } \end{array}$ | $\begin{array}{r} 1991 \\ \mathrm{Jun} \end{array}$ | $\begin{aligned} & 1990 \\ & \text { Qtr }-2 \end{aligned}$ | $\begin{aligned} & 1990 \\ & \text { Qtr-3 } \end{aligned}$ | $\begin{aligned} & 1990 \\ & 9 t r-4 \end{aligned}$ | $\begin{aligned} & 1991 \\ & \text { Qtr-1 } \end{aligned}$ | $\begin{aligned} & 1991 \\ & \text { Qtr-2 } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TRADE BALANCE (Census-basis) | -5504 | -4070 | -4507 | -4790 | -4022 | -21547 | -27821 | -24962 | -16950 | -13319 |
| EXPORTS, Total (fas Value) | 33599 | 34031 | 35632 | 35271 | 34839 | 99052 | 96684 | 102506 | 101774 | 105742 |
| Agricultural | 3392 | 3332 | 3168 | 3329 | 3077 | 10384 | 9635 | 9483 | 9823 | 9574 |
| Nonagricul tural | 30208 | 30699 | 32464 | 31942 | 31762 | 88669 | 87049 | 93023 | 91951 | 96168 |
| Ind Supplies (Norag )** | 9025 | 8193 | 8548 | 8675 | 8009 | 23131 | 23541 | 26308 | 25942 | 25231 |
| Fuels (cosl, petrol,ete) | 1640 | 1124 | 953 | 1263 | 1037 | 3056 | 3591 | 4620 | 4213 | 3253 |
| Chemicals | 2721 | 2716 | 2787 | 2646 | 2475 | 6993 | 6871 | 7735 | 8124 | 7908 |
| Gold (Census) | 332 | 243 | 359 | 249 | 168 | 620 | 416 | 891 | 833 | 776 |
| Other Ind Supplies | 4332 | 4109 | 4448 | 4518 | 4328 | 12462 | 12662 | 13061 | 12772 | 13294 |
| Capital Goods | 12414 | 13484 | 14433 | 13698 | 14407 | 38522 | 37988 | 38608 | 38877 | 42538 |
| Aircraft a Parts | 2236 | 3003 | 3392 | 2726 | 3598 | 8661 | 7914 | 7716 | 7710 | 9717 |
| Computers 8 Access | 2233 | 2287 | 2354 | 2243 | 2228 | 6270 | 6610 | 6599 | 6826 | 6825 |
| Semicornductors | 1165 | 1196 | 1215 | 1228 | 1196 | 3291 | 3340 | 3445 | 3533 | 3640 |
| Other Capital Gds | 6779 | 6998 | 7472 | 7501 | 7385 | 20300 | 20124 | 20847 | 20807 | 22357 |
| Automotive Products | 2604 | 2906 | 3383 | 3478 | 3451 | 9896 | 9113 | 9376 | 8625 | 10313 |
| Consumer Goods | 3863 | 3808 | 3838 | 3754 | 3663 | 10946 | 10706 | 11464 | 11601 | 11255 |
| Other Nonagric Exports | 2302 | 2307 | 2262 | 2338 | 2231 | 6173 | 5702 | 7268 | 6907 | 6831 |
| IMPORTS, Total (Customs Value) | 39103 | 38100 | 40139 | 40061 | 38860 | 120599 | 124505 | 127468 | 118724 | 119061 |
| Petroleum (revised, SA) | 4143 | 3843 | 4089 | 4616 | 4209 | 12836 | 15473 | 18034 | 13225 | 12915 |
| Nompetroleum | 34960 | 34257 | 36050 | 35445 | 34651 | 107763 | 109032 | 109433 | 105499 | 106146 |
| Foods, Feeds, Beverages | 2060 | 2118 | 2364 | 2333 | 2297 | 6744 | 6422 | 6471 | 6389 | 6993 |
| Ind Supplies (ex oil) | 6613 | 6274 | 6869 | 6665 | 6247 | 20133 | 20237 | 20532 | 19860 | 19780 |
| Chemicals | 1209 | 1194 | 1241 | 1238 | 1255 | 3533 | 3549 | 3659 | 3627 | 3733 |
| Iron a Steel Mill Prod | 761 | 678 | 784 | 647 | 543 | 2192 | 2295 | 2284 | 2207 | 1973 |
| Gold (Census) | 126 | 155 | 165 | 251 | 119 | 238 | 236 | 337 | 520 | 535 |
| Other Ind Supplies | 4517 | 4247 | 4679 | 4529 | 4330 | 14170 | 14157 | 14252 | 13506 | 13538 |
| Capital Goods | 9933 | 9925 | 10367 | 10059 | 9842 | 28887 | 29044 | 30034 | 29801 | 30269 |
| Aircraft 8 Parts | 969 | 980 | 1013 | 1.007 | 1088 | 2679 | 2481 | 3196 | 2797 | 3108 |
| Computers \& Access | 2024 | 2051 | 2079 | 2223 | 2206 | 5723 | 5746 | 5812 | 6047 | 6509 |
| Semiconductors | 1058 | 1067 | 1088 | 1025 | 1018 | 3011 | 3012 | 3073 | 3176 | 3131 |
| Other Capital Gds | 5883 | 5827 | 6186 | 5805 | 5530 | 17474 | 17805 | 17953 | 17781 | 17521 |
| Automotive Products | 6658 | 6604 | 6669 | 6517 | 6640 | 21893 | 22495 | 21483 |  | 19826 |
| From Canada | 1797 | 2044 | 2337 | 2455 | 2345 | 7747 . | 8062 | $6829$ | $5911$ | 7137 |
| From Other | 4861 | 4560 | 4332 | 4062 | 4295 | 14146 | 14433 | 14654 | 14639 | 12690 |
|  | $8485$ | 8049 | 8508 | $8409$ | 8144 | 26141 | 26621 | 26682 | 25101 | 25060 |
| Other Nonpetrol Imports | 1211 | 1287 | 1274 | 1462 | 1481 | 3966 | 4212 | 4231 | 3798 | 4218 |
| temo I tems, NSA: |  |  |  |  |  |  |  |  |  |  |
| Oil Imports: Value* |  |  |  | $4599$ | $4049$ |  |  | $17810$ | $12783$ | 12635 |
| Volume (that)* | 6.94 | $6.88$ | $7.76$ | $8.56$ | $8.06$ | $8.75$ | $8.40$ | $6.79$ | $7.06$ | 8.13 |
| Price ( $\$ / 6 \mathrm{~b}$ ] $1 *$ | 19.04 | 17.62 | 17.11 | 17.33 | 16.75 | 15.61 | 19.71 | 28.51 | 20.11 | 17.07 |
| Passenger Car Imports (NSA) | 3490 | 3879 | 3741 | 3522 | 3626 | 11596 | 10203 | 13076 | 11174 | 10889 |
| from Canada | 729 | 1172 | 1281 | 1398 | 1411 | 3893 | 2879 | 3669 | 2767 | 4089 |
| from Japan* | 1855 | 1807 | 1499 | 1197 | 1456 | 4436 | 4351 | 5767 | 5567 | 4152 |
| from other (residual) | 906 | 901 | 962 | 927 | 759 | 3267 | 2973 | 3639 | 2839 | 2648 |

[^2]
[^0]:    ${ }^{1}$ In some cases, original copies needed to be photocopied before being scanned into electronic format. All scanned images were deskewed (to remove the effects of printer- and scanner-introduced tilting) and lightly cleaned (to remove dark spots caused by staple holes, hole punches, and other blemishes caused after initial printing).
    ${ }^{2}$ A two-step process was used. An advanced optimal character recognition computer program (OCR) first created electronic text from the document image. Where the OCR results were inconclusive, staff checked and corrected the text as necessary. Please note that the numbers and text in charts and tables were not reliably recognized by the OCR process and were not checked or corrected by staff.

[^1]:    By the Staff Board of Governors
    of the Federal Reserve System

[^2]:    - Unrevised data.

    Agricultural Industrial Supplies (primarily cotton and tobaccol are excluded from this line.

