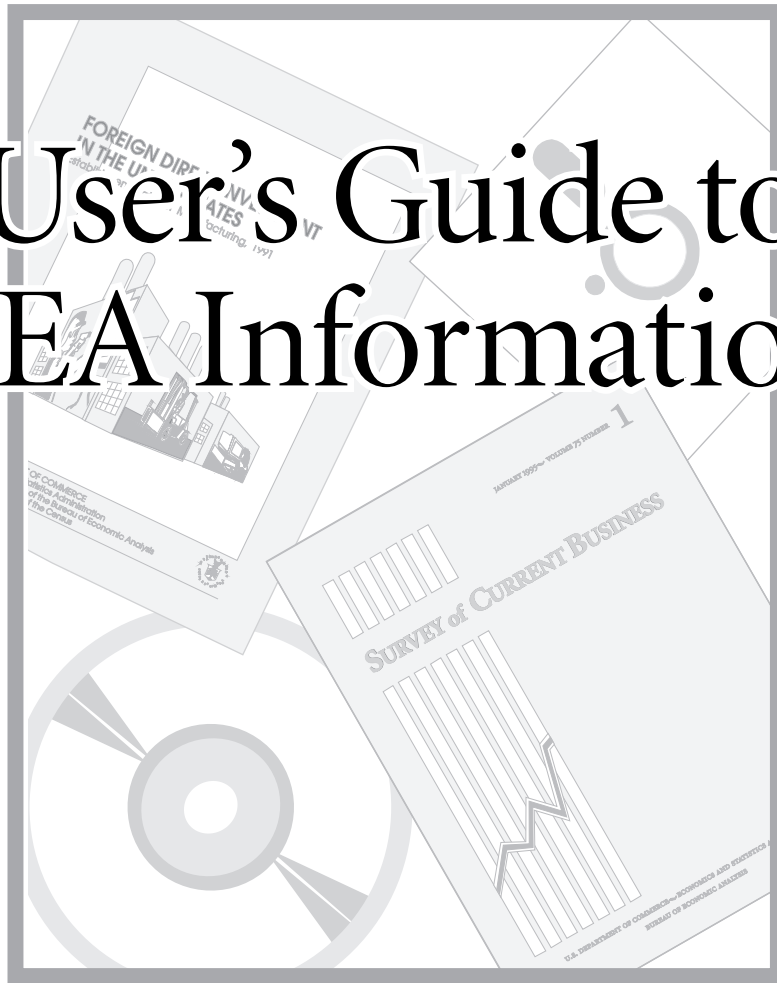


User's Guide to BEA Information



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User's Guide to BEA Information

The Bureau of Economic Analysis (BEA) provides basic information on such key issues as economic growth, inflation, regional development, and the Nation's role in the world economy. This guide lists the most recent and most frequently requested BEA products and helps users locate and obtain that information.

The guide contains program descriptions and entries for specific products. The first section, entitled "General," describes the products that cut across the range of BEA's work. The following sections describe the products related to BEA's national, regional, and international economics programs.

General

BEA's current national, regional, and international estimates usually appear first in news releases. (For upcoming release dates, see the [outside back cover](#).) The information in news releases is available to the general public in four forms: On recorded telephone messages, online through the Economic Bulletin Board (EBB), by fax through STAT-USA/FAX, and in printed *BEA Reports*. This section describes these products, as well as the SURVEY OF CURRENT BUSINESS—BEA's monthly journal of record. General information products produced by BEA are discussed first. This is followed by descriptions of electronic products and services available through the Department of Commerce's STAT-USA, which also disseminates BEA's economic data.

For more information on any of these programs and products, write to the Public Information Office, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-9900; for telecommunications device for the deaf (TDD), call (202) 606-5335.

BEA Products

1.1 SURVEY OF CURRENT BUSINESS (publication). A monthly journal containing estimates and analyses of U.S. economic activity. Most of BEA's work is presented in the SURVEY, either in full or in summary form. Includes the "Business Situation"—a review of current economic developments—and regular and special articles pertaining to the national, regional, and international economic accounts and related topics. Among the special articles that appeared in 1994 were "Integrated Economic and Environmental Satellite Accounts," "A Satellite Account for Research and Development," "Local Area Personal Income: Estimates for 1990-92 and Revisions to the Estimates for 1981-91," "New Estimates of Monthly U.S. International Services," and "Characteristics of Foreign-Owned U.S. Manufacturing Establishments." Current quarterly

What's New?

- Research and Development Satellite Account Data (see [entry 2.23](#));
- *Benchmark Input-Output Accounts of the United States, 1987* (see [entries 4.1 and 4.2](#));
- *Local Area Personal Income, 1969-92* (see [entry 8.2](#));
- Current and Historical Data for U.S. International Transactions (see [entry 11.7](#));
- *Foreign Direct Investment in the United States: 1992 Benchmark Survey, Preliminary Results* (see [entry 12.2](#));
- *Foreign Direct Investment in the United States: Establishment Data for Manufacturing* (see [entry 12.3](#)).

How To Use This Guide

Entries in this guide are arranged by program area. Each program area includes descriptions and schedules of current estimates, a list of products available, and telephone numbers for users who have questions or need assistance. Near the end of this guide is a subject list of BEA products.

Each BEA product is available from one of three sales agents, abbreviated as follows:

- BEA—Bureau of Economic Analysis
- GPO—U.S. Government Printing Office, Superintendent of Documents
- NTIS—National Technical Information Service

Each product's listing identifies the sales agent and includes a stock or accession number to be used when ordering. An order form from each sales agent, including specific ordering information, is provided at the end of this guide. Each sales agent accepts credit cards.

BEA data are also available in several electronic products from STAT-USA (see [entries 1.4–1.7](#)).

estimates of the national income and product accounts (see [program description 2.0](#)) appear every month.

The SURVEY also contains a Business Cycle Indicators section, which consists of tables for about 270 series and charts for about 130 series that are widely used in analyzing current cyclical developments. The SURVEY is available from GPO: List ID SCUB, price \$34.00 per year (domestic second-class mail), \$42.50 (foreign second-class mail), or \$71.00 (domestic first-class mail); single copy price, \$9.00 (domestic) and \$11.25 (foreign). Foreign airmail delivery rates are available upon request from GPO.

1.2 Recorded Telephone Messages. Brief (3–5 minutes) recorded telephone messages summarizing key estimates immediately after their release. The messages are available 24 hours a day for several days following release. The usual time of release (eastern standard or eastern daylight time) and the telephone numbers to call are as follows:

Leading Indicators (8:30 AM)	(202) 606-5361
<i>The message is updated weekly, usually on Monday, to include recently available component data that will be incorporated into the next release.</i>	
Gross Domestic Product (8:30 AM)	-5306
Personal Income and Outlays (8:30 AM)	-5303
U.S. International Transactions (10:00 AM)	-5362

1.3 BEA Reports (EBB, STAT-USA/FAX, news release). Five sets of reports that present the information contained in the BEA news releases for the following areas: Gross domestic product; personal income and outlays; regional reports; international reports; and composite indexes of leading, coincident, and lagging indicators. The reports contain summary estimates. All reports are available online through the EBB (see [entry 1.4](#)) and by fax through STAT-USA/FAX (see [entry 1.5](#)). The printed reports are mailed the day after estimates are released. Annual subscriptions to the printed reports may be ordered for individual sets or for all five sets. Order information for the five printed sets is given below. For information on individual sets, see the following corresponding entries: Gross domestic product, [entry 2.1](#); personal income and outlays, [entry 2.2](#); composite indexes of leading, coincident, and lagging indicators, [entry 6.1](#); regional reports, [entry 7.1](#); and international reports, [entry 10.1](#).

All Five Sets. Usually a total of 49 printed reports. Available from BEA: Accession No. 53-91-11-019, price \$98.00 per year.

**Available through
STAT-USA**

BEA's economic statistics are also made available in the following electronic formats through the Commerce Department's STAT-USA.

1.4 Economic Bulletin Board. Online computer access to news releases and other information. BEA news releases are available on the Economic Bulletin Board (EBB) shortly after their release. Selected estimates and articles such as the "Business Situation" and other SURVEY OF CURRENT BUSINESS articles are also available. (Other items in this guide that are available through the EBB are marked "EBB" after the title.) The EBB may be accessed by personal computer equipped with a modem and communications software; the information available on it—which includes information from several other Federal agencies—may be either viewed on the user's screen or downloaded. The EBB is available via modem or Internet by subscription from STAT-USA. A \$45.00 registration fee includes \$20.00 of connect time on the system, which is charged at rates that range from 5 cents to 40 cents per minute. Instant hookup is available. For more information, call STAT-USA at (202) 482-1986.

1.5 STAT-USA/FAX. Facsimile-based service that provides access to BEA news releases and other BEA information on the EBB, usually within 1 hour of the time of the release. The STAT-USA/FAX is available by dialing (202) 482-0005 from a facsimile machine's handset. Subscriptions start at \$29.95, and instant access is available. This service is available 24 hours a day, 7 days a week. For more information, call STAT-USA at (202) 482-1986.

1.6 The National Trade Data Bank (CD-ROM). BEA places a significant amount of its statistics in the National Trade Data Bank (NTDB). These statistics include international transactions, foreign direct investment, balance of payments, annual and quarterly national income and product accounts, and others. The NTDB contains over 100 information programs from over 25 government agencies, including export and import statistics, foreign marketing reports, "how-to" guides for exporters, and names of companies overseas that want to do business with U.S. exporters. The NTDB is produced monthly and may be ordered from STAT-USA by calling (202) 482-1986; an individual monthly issue (two discs) costs \$35.00, and an annual subscription (12 monthly issues) is \$360.00. The NTDB is also available for public use at over 1,000 Federal Depository Libraries throughout the Nation.

1.7 The National Economic, Social, and Environmental Data Bank (CD-ROM). The National Economic, Social, and Environmental Data Bank (NESE-DB), the domestic counterpart to the National Trade Data Bank, contains many of the Federal Government's most popular publications relating to the U.S. economy, its society, and the environment and supports the business community by providing information on Government resources available to businesses and rules and regulations that may affect them. BEA statistics on the CD-ROM include the national income and product accounts, input-output tables, regional economic projections, and business cycle indicators. The NESE-DB is produced quarterly in February, May, August, and November. Single discs may be purchased for \$95.00 and an annual subscription (four quarterly discs) is \$360.00. The NESE-DB is also available for public use at over 1,000 Federal Depository Libraries throughout the Nation. Call STAT-USA at (202) 482-1986 for more information or to place an order.

National Economics

BEA's national economics program encompasses the national income and product accounts, government transactions on a national income and product accounting basis, the input-output accounts, and estimates of expenditures on pollution abatement and control. In addition, BEA maintains a system of leading, coincident, and lagging indicators to track business cycles.

2.0 The national income and product accounts (NIPA's) show the value and composition of the Nation's output and the distribution of incomes generated in its production. The accounts include estimates of gross domestic product (GDP)—the market value of the Nation's output of goods and services—in current and constant dollars, GDP price measures, the goods and services that make up GDP in current and constant dollars, national income, personal income, and corporate profits. In addition, BEA produces specialized measures such as estimates of auto and truck output, GDP of corporate business, housing output, and business inventories and sales. Estimates of gross product originating by industry are prepared annually in current and constant dollars. Measures of the inventory and fixed capital stocks consistent with the NIPA output measures are also provided. Further, the accounts provide a consistent framework within which estimates of special interest—such as expenditures to protect the environment—are prepared.

National income and product accounts

The estimates of GDP are prepared each quarter in the following sequence: *Advance* estimates are released near the end of the first month after the end of the quarter; as more detailed and comprehensive data become available, *preliminary* and *final* estimates are released near the end of the second and third months, respectively. Monthly estimates of personal income and outlays are released near the end of the month following the reference month; estimates for the 2 to 4 most recent months are revised at that time. Ordinarily, annual NIPA revisions are carried out each summer and cover the months and quarters of the most recent calendar year and the preceding 2 years. (For example, the July 1994 revision covered 1991, 1992, and 1993.) These revisions are timed to incorporate newly available major annual source data. Comprehensive (benchmark) revisions are carried out at about 5-year intervals. A comprehensive revision is scheduled for late 1995; the annual revision will be combined with the comprehensive revision. Current quarterly NIPA estimates appear in a set of 53 "selected" tables each month in the SURVEY OF CURRENT BUSINESS. The full set of NIPA tables (132 tables) usually is published at the time of annual revisions. Annual estimates of the fixed capital stock are reported shortly thereafter.

In addition to the current and historical estimates described in the entries that follow, a considerable amount of component detail (for example, purchases of private structures by type) and industry detail (for example, change in business inventories by industry) is available. For further information about this detail or about the listed printouts and diskettes, write to the National Income and Wealth Division, BE-54, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-9700. For specific questions, the following telephone numbers may be used:

GDP	(202) 606-5304
Personal income and outlays	-5301
Corporate profits	-9738
Personal consumption expenditures	-5302
Gross private domestic investment	-9711
GDP by industry	-5307

A recorded telephone message summarizing the latest GDP estimates is available by calling (202) 606-5306 (see [entry 1.2](#)). A recorded message summarizing the latest personal income and outlays estimates is available at (202) 606-5303.

Current estimates

2.1 BEA Reports: Gross Domestic Product (EBB, STAT-USA/FAX, news release). Monthly reports with summary NIPA estimates that feature GDP and corporate profits. Reports are available online through the EBB (see [entry 1.4](#)) and by fax through STAT-USA/FAX (see [entry 1.5](#)). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see [entry 1.3](#).) The gross domestic product printed reports are available from BEA on a subscription basis: Accession No. 53-91-11-015, price \$24.00 per year.

2.2 BEA Reports: Personal Income and Outlays (EBB, STAT-USA/FAX, news release). Monthly reports with summary NIPA estimates that feature personal income and outlays. Reports are available online through the EBB (see [entry 1.4](#)) and by fax through STAT-USA/FAX (see [entry 1.5](#)). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see [entry 1.3](#).) The personal income and outlays printed reports are available from BEA on a subscription basis: Accession No. 53-91-11-014, price \$24.00 per year.

2.3 Monthly Advance National Income and Product Accounts Tables (EBB, diskette, or printout). NIPA estimates as they appear in the current issue of the SURVEY OF CURRENT BUSINESS. Updated monthly. Available online through the EBB (see [entry 1.4](#)). Diskettes are available the day of release of GDP, and printouts are available 1 day after the release from BEA on a subscription basis:

Diskette (3½" HD)—Accession No. 54-85-41-401, price \$200.00 per year.

Printout—Accession No. 54-83-21-201, price \$100.00 per year.

2.4 Key Source Data and Assumptions (EBB, printed table). Available source data and assumptions for missing source data that are used to prepare the advance estimates of GDP for each quarter. Available online through the EBB (see [entry 1.4](#)). Annual subscriptions for the printed table are available from BEA: Accession No. 54-84-21-209, price \$25.00 per year.

Historical estimates

2.5 National Income and Product Accounts (diskette). The full set of NIPA tables, most with estimates from 1929 to the present. Diskettes (3½" HD) available from BEA: Accession No. 54-89-41-401, price \$40.00 (two diskettes).

2.6 National Income and Product Accounts of the United States (publication). Two volumes. Presents the full set of NIPA tables for 1929-88. Includes statistical conventions and the definitions and classifications underlying the NIPA's. (1992-93) Available from GPO:

Volume 1: 1929-58. Stock No. 003-010-00236-1, price \$15.00.

Volume 2: 1959-88. Stock No. 003-010-00231-0, price \$25.00.

NIPA methodology

Summary tables listing the principal source data and estimating methods used to prepare the NIPA estimates are included in the articles in the SURVEY OF CURRENT BUSINESS that describe annual revisions to the NIPA's. These tables were last published in the July 1994 issue. A number of papers that provide detailed descriptions of NIPA concepts and methodologies have been published (see [next entry](#)).

NOTE.—The methodologies used to prepare the NIPA's are periodically refined to incorporate definitional changes, new source data, and/or new estimating methods. In most cases, changes in methodology are introduced as part of the annual revisions that usually occur each summer or as part of the comprehensive revisions that occur about every 5 years. The major methodological changes introduced in recent annual revisions are described in articles about the revised estimates in the July 1992, August 1993, and July 1994 issues of the SURVEY. The major methodological changes introduced in the most recent comprehensive revision are listed on [pages 38-39](#) of the December 1991 SURVEY.

Methodology Papers (publications). A series of papers that documents the conceptual framework of the NIPA's and the methodology used to prepare the estimates. To date, six papers are available.

- 2.7 **An Introduction to National Economic Accounting** (NIPA Methodology Paper No. 1). An introduction to the concepts of the U.S. NIPA's that places these accounts within the larger framework of national economic accounting. Shows the step-by-step derivation of a general national economic accounting system from the conventional accounting statements used by business and government and inferred for other transactors. Also shows how the income and product accounts, the capital finance accounts, and the input-output accounts—the major branches of national economic accounting in the United States today—are derived from this general system. Also appeared in the March 1985 SURVEY OF CURRENT BUSINESS. (1985) Available from NTIS: Accession No. PB 85-247567, price \$12.50.
- 2.8 **Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends** (NIPA Methodology Paper No. 2). A description of the concepts, sources, and methods of the corporate profits components of the NIPA's. (1985) Available from NTIS: Accession No. PB 85-245397, price \$19.50.
- 2.9 **Foreign Transactions** (NIPA Methodology Paper No. 3). A description of the preparation of estimates in the NIPA's of net exports (both current- and constant-dollar), transfer payments to foreigners, capital grants received by the United States, interest paid by Government to foreigners, and net foreign investment. Also describes the relationship between foreign transactions estimates in the NIPA's and those in the balance of payments accounts. (1987) Available from NTIS: Accession No. PB 88-100649, price \$19.50.
- 2.10 **GNP: An Overview of Source Data and Estimating Methods** (NIPA Methodology Paper No. 4). Basic information about GNP, including the conceptual basis for the account that presents GNP, definitions of each of the components on the income and product sides of that account, and a summary, presented in tabular form, of the source data and methods used in preparing estimates of current- and constant-dollar GNP. Also provides an annotated bibliography, with a directory, of the more than 50 items over the last decade that provided methodological information about GNP. Appeared in the July 1987 SURVEY OF CURRENT BUSINESS. (1987) Available from NTIS: Accession No. PB 88-134838, price \$17.50. The summary of source data and methods was updated in the July 1994 issue of the SURVEY (tables 7 and 8, [pages 28-45](#)).
- 2.11 **Government Transactions** (NIPA Methodology Paper No. 5). Presents the conceptual basis and framework of government transactions in the NIPA's, describes the presentation of the estimates, and details the sources and methods used to prepare estimates of Federal transactions and of State and local transactions. (1988) Available from NTIS: Accession No. PB 90-118480, price \$27.00.
- 2.12 **Personal Consumption Expenditures** (NIPA Methodology Paper No. 6). Presents the conceptual basis and framework for personal consumption expenditures (PCE) in the NIPA's, describes the presentation of the estimates, and details the sources and methods used to prepare annual, quarterly, and monthly estimates of PCE. Includes a bibliography, definitions, and convenient tabular summaries of estimating procedures. (1990) Available from NTIS: Accession No. PB 90-254244, price \$19.50.

GDP by industry estimates

2.13 Gross Product by Industry. Annual estimates of gross product originating (GPO) by industry in current dollars (1947–92) and constant dollars (1977–92). Constant-dollar estimates are calculated using benchmark-years and fixed-1987 weights. These estimates, published in the October 1994 (1991–92) and November 1993 (1947–90) issues of the SURVEY OF CURRENT BUSINESS, provide the industrial distribution of GDP as currently shown in the NIPA's. Estimates are based on the 1972 Standard Industrial Classification (SIC) for 1947–86, on the 1987 SIC for 1988–92, and on both the 1972 and 1987 SIC's for 1987. The files also include tables showing the components of gross domestic income that define current-dollar GPO.

Diskette (3½" HD)—Accession No. 54-91-40-406, price \$20.00.

Printout—Accession No. 54-91-20-206, price \$20.00.

2.14 Gross Output by Detailed Industry. Annual estimates (1977–92) of gross output in current and constant dollars for double-deflated industries that were used to prepare the estimates of gross product originating (GPO) published in the October 1994 (1991–92) and November 1993 (1977–90) issues of the SURVEY OF CURRENT BUSINESS. Industry detail generally exceeds that available in the Gross Product by Industry data products (see entry 2.13). Gross output for manufacturing industries on these files is at the two-digit GPO level of industry detail; see entries 2.15 and 2.16 for more detailed data for manufacturing.

Diskette (3½" HD)—Accession No. 54-91-40-410, price \$20.00.

Printout—Accession No. 54-91-20-210, price \$20.00.

2.15 Manufacturing Establishment Shipments. Annual estimates (1977–92) in current and constant dollars of manufacturing establishment shipments by four-digit SIC. These estimates were used to prepare the estimates of gross output that underlie the gross product originating estimates published in the October 1994 (1991–92) and November 1993 (1977–90) issues of the SURVEY OF CURRENT BUSINESS. Estimates are based on the 1972 SIC for 1977–1986, on the 1987 SIC for 1988–91, and on both the 1972 and 1987 SIC's for 1987.

Diskette (3½" HD)—Accession No. 54-91-40-407, price \$20.00.

Printout—Accession No. 54-91-20-207, price \$35.00.

2.16 Manufacturing Product Shipments. Annual estimates (1977–92) in current and constant dollars of manufacturing product shipments by five-digit Census product class defined on a wherever made basis. Estimates are based on the 1972 Census Bureau product-class system for 1977–1986, on the 1987 system for 1988–92, and on both the 1972 and 1987 systems for 1987.

Diskette (3½" HD)—Accession No. 54-91-40-408, price \$20.00.

Printout—Accession No. 54-91-20-208, price \$35.00.

Other information related to the NIPA's

2.17 The Underground Economy: An Introduction (reprint). A discussion of the coverage, measurement methods, and implications of the underground economy. Part of the discussion features the relation between the NIPA's and the underground economy: Illegal activities in the context of the NIPA's, three sets of NIPA estimates sometimes misunderstood as being measures of the underground economy, and the effect on NIPA estimates of possible misreporting in source data due to the underground economy. Articles appeared in the May 1984 and July 1984 issues of the SURVEY OF CURRENT BUSINESS. (1984) Available from BEA: Accession No. 53-84-10-001, price \$5.00.

2.18 Alternative Measures of Change in Real Output and Prices (reprint). Four articles that appeared in the SURVEY OF CURRENT BUSINESS describing the two alternatively weighted measures of real output and of prices that BEA prepares to supplement its featured fixed-weighted measures. These alternative measures are especially useful for studies of long-term economic growth, for comparisons of business cycles, and for

gauging the effect of changes in the economy's relative price structure on the measurement of real gross domestic product. (1993) Available from BEA: Accession No. 53-93-10-002, price \$5.00.

2.19 Evaluation of the GNP Estimates (reprint). An evaluation of the GNP estimates, covering the reliability of estimates, sources of error and types of statistical improvement, status of source data, documentation of methodology, release schedules, and security before release. This article appeared in the August 1987 SURVEY OF CURRENT BUSINESS. (1987) Available from BEA: Accession No. 53-88-10-001, price \$5.00. (For a more recent study, see Allan H. Young, "Reliability of the Quarterly Estimates of GDP," SURVEY 73 (October 1993): 29-43.)

2.20 The Use of National Income and Product Accounts for Public Policy: Our Successes and Failures (BEA Staff Paper No. 43). An evaluation using two indirect approaches. The first reviews the "accuracy" of the estimates, using the size of revisions to GNP estimates as an indicator. The second reviews users' recommendations drawn from publications issued over the last 30 years. (1985) Available from NTIS: Accession No. PB 86-191541, price \$17.50.

2.21 The United Nations System of National Accounts: An Introduction (reprint). Describes the United Nations System of National Accounts (SNA), which is followed by most other countries, and contrasts it with the U.S. economic accounts. The article also presents estimates prepared by BEA to approximate some of the major SNA aggregates and describes the revision of the SNA that is under way. This article appeared in the June 1990 SURVEY OF CURRENT BUSINESS. (1990) Available upon request from BEA's Public Information Office. (For a more recent description, see "New International Guidelines in Economic Accounting," SURVEY 73 (February 1993): 43-44.

2.22 Economic-Environmental Accounts (reprint). Two articles that describe a BEA framework for integrated economic and environmental satellite accounts and that present prototype estimates of mineral stocks, and changes in those stocks, for the past several decades. The new set of accounts, which supplements the existing system of national economic accounts, provides a statistical picture of the interaction of the economy and the environment. These articles appeared in the April 1994 SURVEY OF CURRENT BUSINESS. (1994) Available upon request from BEA's Public Information Office.

2.23 A Satellite Account for Research and Development (diskette). The Satellite Account for Research and Development is designed to facilitate analysis of the role of research and development (R&D) in the U.S. economy. In the R&D satellite account, R&D expenditures are treated as a form of investment, and the resulting investment flows are used to estimate stocks of R&D fixed intangible capital. The complete set of data in the R&D satellite account is available on diskette (3½", HD) from BEA's Public Information Office: Accession No. 53-94-40-001; price \$20.00.

2.24 Fixed Reproducible Tangible Wealth in the United States, 1925-89 (publication). Includes annual estimates of gross and net stocks, depreciation, discards, and average ages of gross and net stocks in historical-cost, constant-cost, and current-cost valuations as follows: Fixed nonresidential private capital owned by each two-digit Standard Industrial Classification (SIC) establishment-based industry for 1947-89, based on the 1987 SIC; fixed nonresidential private capital, by type of equipment and structures and by legal form of organization, for 1925-89; residential capital, by type of equipment and structures, by legal form of organization, by industry, and by tenure group, for 1925-89; durable goods owned by consumers, by type of goods, for 1925-89; government-owned fixed capital, by type of equipment and structures, separately for the Federal Government and for State and local government, for 1925-89. Also includes the investment series and service lives used to derive the wealth

Wealth and related estimates

National— Continued

estimates and a detailed statement of methodology. (1993) Available from GPO: Stock No. 003-010-00235-2, price \$25.00.

2.25 **Wealth** (diskette). Annual estimates of gross and net stocks, depreciation, and discards for fixed nonresidential private and residential capital, durable goods owned by consumers, and fixed capital owned by governments. For fixed private capital, contains estimates by each NIPA type of equipment and structures for 1925 to the present. For fixed private capital, also contains estimates of total equipment, total structures, and the total of equipment and structures owned by each two-digit SIC establishment-based industry for 1947 to the present, based on the 1987 SIC. For durable goods owned by consumers, contains estimates by each NIPA type of goods for 1925 to the present. For fixed capital owned by governments, contains estimates by each NIPA type of equipment and structures, separately for the Federal Government and for State and local government, for 1925 to the present. The estimates are in historical-cost, constant-cost, and current-cost valuations. Also includes stock series similar to those used by the Bureau of Labor Statistics to derive measures of capital input for multifactor productivity studies. The investment series used to derive all of these estimates are also included, in the same detail as the stock estimates, in historical-cost and constant-cost valuations. Updated annually. Diskette (3½" HD) available from BEA: Accession No. 54-89-40-004, price \$100.00 (five diskettes). [Diskettes can be ordered individually; for information, call (202) 606-9703.]

2.26 **Detailed Investment by Industry** (diskette). Annual estimates for 1947 to the present of investment purchased by each two-digit SIC establishment-based industry, separately for each detailed NIPA type of equipment and structures, based on the 1987 SIC. (The Wealth diskettes in item 2.25 also include investment series for each industry, but only for total equipment, total structures, and the total of equipment and structures.) The estimates are in historical-cost and constant-cost valuations. Updated annually. Diskette (3½" HD) available from BEA: Accession No. 54-89-40-005, price \$20.00.

2.27 **Detailed Wealth by Industry** (diskette). Annual estimates for 1947 to the present of gross and net stocks, depreciation, and discards for fixed nonresidential private capital owned by each two-digit SIC establishment-based industry, separately for each detailed NIPA type of equipment and structures, based on the 1987 SIC. (The Wealth diskettes in item 2.25 also include estimates of gross and net stocks, depreciation, and discards for each industry, but only for total equipment, total structures, and the total of equipment and structures.) Also includes stock series similar to those used by the Bureau of Labor Statistics to derive measures of capital input for multifactor productivity studies. The estimates are in constant-cost and current-cost valuations. Updated annually. Diskette (3½" HD) available from BEA: Accession No. 54-89-40-006, price \$60.00 (three diskettes). [Diskettes can be ordered individually; for information, call (202) 606-9703.]

Government transactions

3.0 BEA'S estimates of government receipts, expenditures, and surplus or deficit are on a national income and product accounting basis. The estimates are prepared separately for Federal and for State and local governments on the same schedule as that described for the NIPA'S (see [program description 2.0](#)). Reconciliations of the Federal sector on a NIPA basis and the budget prepared by the Office of Management and Budget are the basis for an article in the SURVEY OF CURRENT BUSINESS, usually in February, about Federal fiscal programs for the next fiscal year, and for detailed tables in the July issue. These reconciliations, and more specialized work such as described in the papers that follow, facilitate analysis of the effects of government fiscal policies on the economy. An article on the fiscal position of State and local governments is usually published in the February or March SURVEY. For further information, write

to the Government Division, BE-57, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-5590. For specific questions, the following telephone numbers may be used:

Federal	(202) 606-5591
National defense	-5592
Nondefense	-5593
State and local	-5594

3.1 Government Transactions (NIPA Methodology Paper No. 5). Presents the conceptual basis and framework of government transactions in the national income and product accounts, describes the presentation of the estimates, and details the sources and methods used to prepare estimates of Federal transactions and of State and local transactions. (1988) Available from NTIS: Accession No. PB 90-118480, price \$27.00.

3.2 Cyclical Adjustment of the Federal Budget and Federal Debt: Updated Detailed Methodology and Estimates (BEA Staff Paper No. 45). Description of the models that BEA used, prior to the latest comprehensive revision of the NIPA's, to estimate the cyclically adjusted Federal budget and inflation-induced changes in the cyclically adjusted budget. The quarterly data for the variables in the models and the regression equations underlying the coefficients are presented. The paper also discusses the cyclical adjustment of Federal debt and shows some results. (1986) Available from NTIS: Accession No. PB 87-157376, price \$27.00.

NOTE.—The procedures described in this staff paper have not been updated to reflect the 1991 comprehensive revision of the NIPA's; publication of the estimates in the SURVEY OF CURRENT BUSINESS has been suspended pending this update.

3.3 National Income and Product Accounts Translation of the Federal Budget (printed tables). Package of tables that provide a more detailed translation than appears in the *Budget of the United States Government, Analytical Perspectives*. (See item 3.1 to obtain information on the differences between the budget and NIPA concepts that lead to the translation.) When it becomes available, the annual article on the Federal budget, which usually appears in the February issue of the SURVEY OF CURRENT BUSINESS, is included with the package. (1994) Available from BEA: Accession No. 57-91-20-101, price \$12.00.

4.0 Input-output (I-O) accounts for the United States show how industries interact—providing input to, and taking output from, each other—to produce GDP. Benchmark tables, based largely on the economic censuses, are prepared every 5 years; the latest benchmark tables are for 1987. Annual tables are prepared using basically the same procedures as used for the benchmark tables, but with less comprehensive and less reliable source data. Associated benchmark tables, showing capital flows from producing to using industries and employment and employee compensation by industry, are also prepared. Diskettes are available for the tables at the two-digit level (95 industries) and six-digit level (480 industries), listed below. For further information, write to the Interindustry Economics Division, BE-51, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-5585. For specific questions, the following telephone numbers may be used:

Benchmark tables	(202) 606-5586
Annual tables	-5587
Diskettes	-5585

Input-output accounts

4.1 Benchmark Input-Output Accounts of the United States, 1987 (publication). This volume contains the use and make tables and total output multipliers for BEA's 1987 benchmark I-O study at the two-digit and six-digit I-O industry level of detail. Includes discussion of concepts and of analytical and statistical uses of estimates,

National— Continued

description of sources and methods, and overview of industry and commodity classification. Provides benchmark I-O commodity composition of NIPA final demand, personal consumption expenditures, and producers' durable equipment expenditures. (1994) Available from GPO: Stock No. 003-010-00251-4, price \$29.00.

4.2 **1987 Benchmark I-O Tables** (diskettes). Estimates from the 1987 benchmark I-O accounts at the two-digit and the six-digit levels. Each product includes information on the mathematical derivation of the coefficients tables. Available from BEA:

1987 **Benchmark Six-Digit Transactions**. Contains the make table, use table, direct requirements coefficients table, and estimates by commodity of transportation costs and of wholesale and retail trade margins. Accession No. 51-94-40-001, price \$40.00.

1987 **Benchmark Six-Digit, Industry-By-Commodity Total Requirements**. Accession No. 51-94-40-002, price \$40.00.

1987 **Benchmark Six-Digit, Commodity-By-Commodity Total Requirements**. Accession No. 51-94-40-003, price \$40.00.

1987 **Benchmark Two-Digit, All**. Contains the make table, use table, direct requirements coefficients table, estimates by commodity of transportation costs and of wholesale and retail trade margins, and industry-by-commodity and commodity-by-commodity total requirements coefficients. Accession No. 51-94-40-004, price \$20.00.

1987 **Benchmark Commodity Composition of NIPA Final Demand**. Accession No. 51-94-40-005, price \$20.00.

1987 **Benchmark PCE and PDE By NIPA Category**. Contains the I-O commodity composition of NIPA personal consumption expenditures and producers' durable equipment expenditures. Accession No. 51-94-40-006, price \$20.00.

NOTE.—The 1987 benchmark I-O accounts, at both the summary and detailed levels, are also available on STAT-USA's National Economic, Social, and Environmental Data Bank CD-ROM (see [entry 1.7](#)).

4.3 **1982 Benchmark 85-Industry Input-Output Tables** (diskette). Five tables: (1) Use table, (2) make table, (3) commodity-by-industry direct requirements table, (4) commodity-by-commodity total requirements table, and (5) industry-by-commodity total requirements table. Diskette (5¼") available from BEA: Accession No. 51-91-40-008, price \$20.00.

Environmental estimates

5.0 BEA maintains a set of annual current- and constant-dollar estimates of capital expenditures and operating costs for pollution abatement and control. These estimates, which are prepared within the framework of the national income and product accounts, are classified by sector (consumers, business, and government) and by element of the environment affected (air, land, and water). The most recent SURVEY OF CURRENT BUSINESS article reporting the total expenditures (including capital and operating spending) appeared in May 1994. For further information, write to the Environmental Economics Division, BE-62, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-5350. For specific questions, the following telephone numbers may be used:

Total expenditures	(202) 606-9989
Capital expenditures	-9982

5.1 **BEA Reports: Pollution Abatement and Control Expenditures** (EBB, news release). News release on annual pollution abatement and control expenditures. Available online through the EBB (see [entry 1.4](#)). Printed report available by calling or writing the Environmental Economics Division.

5.2 **Stocks and Underlying Data for Air and Water Pollution Abatement Plant and Equipment** (printout). Estimates of the gross and net capital stocks at historical,

constant, and current cost; estimates of capital expenditures in constant and current dollars; price indexes by media (air and water) and for selected industry groups (manufacturing, electric utilities, and other nonmanufacturing); and estimates of lifetimes by media for pollution abatement plant and equipment. Available from BEA: Accession No. 62-82-20-001, price \$35.00.

6.0 BEA maintains a system of indicators to track business cycles. The system features the composite indexes of leading, coincident, and lagging indicators. The database includes series classified as cyclical indicators (because they conform well to broad fluctuations in economic activity), as well as other series useful in interpreting the economic situation and outlook. Each month preliminary values of the three composite indexes for the latest month and revised values for the 5 preceding months are released. Once a year, in the fall, the composite indexes are recalculated for recent years to incorporate historical revisions in component data. Information on composite indexes appears each month in the Business Cycle Indicators section (C-pages) of the SURVEY OF CURRENT BUSINESS. For further information, write to Business Cycle Indicators, BE-52, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, call (202) 606-5366, or send a facsimile to (202) 606-5313. A recorded telephone message at (202) 606-5361 provides current data for the composite indexes (and the leading index components) immediately upon their release. The message is updated weekly, usually on Monday, to include recently available component data that will be incorporated into the next release (see [entry 1.2](#)).

Business cycle indicators

6.1 **BEA Reports: Composite Indexes of Leading, Coincident, and Lagging Indicators** (EBB, STAT-USA/FAX, news release). Monthly reports with summary estimates of the composite indexes. Reports are available online through the EBB (see [entry 1.4](#)) and by fax through STAT-USA/FAX (see [entry 1.5](#)). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see [entry 1.3](#).) The printed composite index reports are available from BEA on a subscription basis: Accession No. 53-91-11-016, price \$24.00 per year.

6.2 **Cyclical Indicators Methodology** (reprint). Reprints of four articles that appeared in the SURVEY OF CURRENT BUSINESS: "Business Cycle Indicators: Upcoming Revision of the Composite Indexes" (October 1993); "The Composite Index of Coincident Indicators and Alternative Coincident Indexes" (June 1992); "Business Cycle Indicators: Revised Composite Indexes" (January 1989); and "Composite Indexes of Leading, Coincident, and Lagging Indicators" (November 1987). The package also includes historical data for the composite indexes and their components (as shown in the October 1994 SURVEY) plus the historical chronology of business cycle expansions and contractions, the cyclical leads and lags for selected indicators, and the titles and sources of all business cycle indicator series. (1994) Available from BEA: Accession No. 52-90-10-301, price \$10.00.

6.3 **Business Cycle Indicators Data** (EBB, diskette). Data for all series in the Business Cycle Indicators section (C-pages) of the SURVEY OF CURRENT BUSINESS. Includes data for about 270 series; most are monthly series. Updated monthly. Available online through the EBB (see [entry 1.4](#)). Two types of files are included: Historical files contain data from 1945 (or the first year available) to the present; current files contain data for the last 4 calendar years (plus data for earlier years if revised). (An additional file, available only through the EBB, contains data for the last 2 calendar years and is updated weekly.) Diskettes are available from BEA as a one-time order or on a 12-month subscription basis:

Diskette (3½" HD), single copy—Accession No. 52-94-40-405, price \$20.00.

Diskette (3½" HD), 12-month subscription—Accession No. 52-94-41-404, price \$200.00 per year.

National—
Continued

6.4 **Business Cycle Indicators Current Data** (printout). Data for the last 4 calendar years (plus data for earlier years if revised) for all series in the Business Cycle Indicators section (C-pages) of the SURVEY OF CURRENT BUSINESS. Includes data for about 270 series; most are monthly series. Updated monthly. Available from BEA on a 12-month subscription basis: Accession No. 52-88-21-201, price \$200.00 per year.

6.5 **Business Cycle Indicators Historical Data for User-Selected Series** (fax, printout). Historical data for any series in the Business Cycle Indicators section (C-pages) of the SURVEY OF CURRENT BUSINESS. Data are from 1945 (or the first year available) through the most recent period available when the order is processed. User selects the series desired; price is based on multiples of seven series. Available from BEA:

Facsimile (up to seven series)—Accession No. 52-92-50-501, price \$10.00.

(Transmission within the United States only. Please provide fax number.)

Printout (up to seven series)—Accession No. 52-92-20-502, price \$10.00.

BEA's regional economics program provides estimates, analyses, and projections by region, State, metropolitan area, and county.

7.1 BEA Reports: Regional Reports (EBB, STAT-USA/FAX, news release). Reports (usually six a year) with summary estimates of State personal income (quarterly and annual) and of county and metropolitan area personal income (annual). Reports are available online through the EBB (see [entry 1.4](#)). (The EBB carries, in addition to the news release, estimates of personal income by State and by county and earnings and wages by industry and by State; see [entry 8.3](#).) The news releases are also available by fax through STAT-USA/FAX (see [entry 1.5](#)). The printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see [entry 1.3](#).) These printed regional reports are available from BEA on a subscription basis: Accession No. 53-91-11-017, price \$12.00 per year.

8.0 Current quarterly State personal income estimates are reported in the January, April, July, and October issues of the SURVEY OF CURRENT BUSINESS. The annual estimates of State and local area personal income for a given year are subject to successive refinement. Preliminary annual State estimates, based on the current quarterly series, are released 4 months after the close of the reference year and published in the April SURVEY. Revised annual estimates based on more reliable source data are published in the August SURVEY. These estimates are subsequently revised to incorporate newly available information used to prepare the current local area estimates. The revised State estimates, together with the current local area estimates, are published in the following April SURVEY. The annual estimates emerging from this process are subject to further revision for several succeeding years (the State estimates in April and August and the local area estimates in April), as additional data become available. These routine revisions are completed 3 years after the preliminary State estimates were prepared and 2 years after the local area estimates were prepared. The State and local area estimates are normally revised again only to incorporate a comprehensive revision in the national income and product accounts, which takes place approximately every 5 years, or to make important improvements to the estimates through the use of additional or more current State and local area data.

Estimates of personal income and employment by State, metropolitan area, and county are available through the Regional Economic Information System (REIS). The system includes an information retrieval service that provides a variety of analytical tabulations for counties and combinations of counties. All of the tabulations are available in several media.

BEA also makes its regional estimates available through the BEA User Group, members of which include State agencies, universities, and Census Bureau Primary State Data Centers. BEA provides its estimates of income and employment for all States and counties to these organizations with the understanding that they will make the estimates readily available.

For further information, write to the Regional Economic Measurement Division, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-5360.

8.1 Regional Economic Information System (REIS) CD-ROM, 1969-92 (CD-ROM). Estimates of annual personal income by major source, per capita personal income, earnings by two-digit SIC industry, full- and part-time employment by one-digit SIC industry, regional economic profiles, transfer payments by major program, and farm income and expenses for States, metropolitan areas, and counties. The CD-ROM contains over 450 megabytes of data and documentation. All the estimates are stored as ASCII files that can be accessed in either sequential or random mode. The CD-ROM includes a REIS program that allows the user to display, print, or copy one or more of the standard tables from the historical personal income series.

Regional Economics

Regional estimates

Regional Economics— Continued

In addition, the CD-ROM includes BEA estimates of quarterly personal income by State (1969:1–1993:IV); Census Bureau data on intercounty flows for 1960, 1970, 1980, and 1990; BEA's latest gross state product estimates for 1977–90; its projections to 2040 of income and employment for States and metropolitan areas; and total commuters' income flows, 1969–92. Updated annually. (1994) Available from BEA: Accession No. 55-92-30-599, price \$35.00.

8.2 Local Area Personal Income, 1969–92 (publication). Presents the estimates of personal income and per capita personal income for 1969–92 for the United States, regions, States, counties, and metropolitan areas. Also presents the Census Bureau's estimates of population that were used in the derivation of per capita personal income. Provides information about the sources and methods used to prepare the estimates for 1987–92 and samples of all the detailed tables of personal income and employment that are available for regions, States, counties, and metropolitan areas. 784 pp. (1994) Available from GPO: Stock No. 003-010-00249-2, price \$41.00.

Special-order regional products . . .

8.3 Regional Income and Employment. The products listed in section 8.3 must be special ordered from BEA for the specific area(s) needed. Items 8.3.1 through 8.3.12 are for the United States, regions, and States. Items 8.3.13 through 8.3.24 are for the United States, States, metropolitan areas, and counties. All items are available on several media and can be purchased for a single area (a county, a metropolitan area, a State), for groups of areas (several counties, several metropolitan areas, all counties in a State, several States), or for all counties or all States in the United States. Some items are available online through the EBB (see [entry 1.4](#)). Before placing an order, write to the Regional Economic Measurement Division, REIS, BE-55, Bureau of Economic Analysis, Washington DC 20230, or call (202) 606-5360 for accession numbers, prices, and availability. Call the same number to place charge orders using MasterCard or VISA.

. . . For regions and States

8.3.1 Quarterly Personal Income, 1969–94 (EBB, printout). Total personal income by quarter for the United States, regions, and States. (1994)

8.3.2 Quarterly Personal Income by Major Source and Earnings by Industry, 1969–94 (EBB, computer tape, printout, diskette). Major sources of personal income and earnings by one-digit SIC industry by quarter for the United States, regions, and States. (1994)

8.3.3 Quarterly Wages and Salaries by Major Source and Major Industry, 1969–94 (EBB, computer tape, printout, diskette). Wage and salary disbursements by one-digit SIC industry by quarter for the United States, regions, and States. (1994)

8.3.4 Personal Income, Per Capita Personal Income, and Total Population, 1929–93 (EBB, computer tape, printout, diskette). Total and per capita personal income and population annually for the United States, regions, and States. (1994)

8.3.5 Personal Income by Major Source and Earnings by Industry, 1929–93 (EBB, computer tape, printout, diskette). Major sources of personal income and earnings by two-digit SIC industry annually for 1958–93 and by one-digit SIC industry for 1929–57 for the United States, regions, and States. (1994)

8.3.6 Wage and Salary Disbursements by Industry, 1929–93 (EBB, computer tape, printout, diskette). Wages and salaries by two-digit SIC industry annually for 1958–93 and by one-digit SIC industry annually for 1929–57 for the United States, regions, and States. (1994)

8.3.7 Full-Time and Part-Time Employment by Industry, 1969–93 (computer tape, printout, diskette). Total employment by place of work by two-digit SIC industry annually for the United States, regions, and States. (1994)

8.3.8 Full-Time and Part-Time Wage and Salary Employment by Industry, 1969–93 (computer tape, printout, diskette). Wage and salary employment by place

The items in section 7.2 must be special ordered. Refer to the text at the beginning of section 7.2 for instructions.

of work by two-digit SIC industry annually for the United States, regions, and States. (1994)

8.3.9 Transfer Payments, 1948–93 (computer tape, printout, diskette). Transfer payments by type annually for the United States, regions, and States. (1994)

8.3.10 Farm Income and Expenses, 1969–93 (computer tape, printout, diskette). Major categories of farm income and expenses and gross and net farm income aggregates annually for the United States, regions, and States. (1994)

8.3.11 Personal Tax and Nontax Payments, 1948–93 (computer tape, printout, diskette). Personal tax and nontax payments by level of government and by type of payment (includes total and per capita disposable personal income and population) annually for the United States, regions, and States. (1994)

8.3.12 Disposable Personal Income, Per Capita Disposable Personal Income, and Total Population, 1948–93 (EBB, printout, diskette). Total and per capita disposable personal income and population annually for the United States, regions, and States. (1994)

8.3.13 Personal Income, Per Capita Personal Income, and Total Population, 1969–92 (EBB, computer tape, printout, diskette). Total and per capita personal income and population annually for the United States, States, metropolitan areas, and counties. (1994)

8.3.14 Per Capita Personal Income Ranking, 1992 (printout). Ranking in the United States and in regions (highest and lowest 250 counties). (1994) Available from BEA:

Printout—Accession No. 55-92-20-541, price \$20.00. Rankings among all counties.

Printout—Accession No. 55-92-20-542, price \$20.00. Rankings among counties with total personal incomes greater than \$50 million.

8.3.15 Personal Income by Major Source and Earnings by Major Industry, 1969–92 (computer tape, printout, diskette). Major sources of personal income and earnings by one-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (1994)

8.3.16 Personal Income by Major Source and Earnings by Industry, 1969–92 (computer tape, printout). Major sources of personal income and earnings by two-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (1994)

8.3.17 Full-Time and Part-Time Employment by Major Industry, 1969–92 (computer tape, printout, diskette). Total employment by one-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (1994)

8.3.18 Regional Economic Profile, 1969–92 (computer tape, printout, diskette). Summary of income and employment by place of work and residence annually for the United States, States, metropolitan areas, and counties. (1994)

8.3.19 Total Wages and Salaries, Total Wage and Salary Employment, and Average Wage Per Job, 1969–93 (computer tape, printout, diskette). Annually for the United States, States, metropolitan areas, and counties. (1995)

8.3.20 Transfer Payments, 1969–92 (computer tape, printout, diskette). Transfer payments by type annually for the United States, States, metropolitan areas, and counties. (1994)

8.3.21 Farm Income and Expenses, 1969–92 (computer tape, printout, diskette). Major categories of farm income and expenses and gross and net farm aggregates annually for the United States, States, and counties. (1994)

8.3.22 BEARFACTS, 1991–92 or 1982–92 (printout, diskette). One-page computer-generated narrative. Describes an area's personal income using current estimates,

. . . For States, metropolitan areas, and counties

<p>The items in section 8.3 must be special ordered. Refer to the text at the beginning of section 8.3 for instructions.</p>
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Regional Economics—

Continued

growth rates, and a breakdown of the sources of personal income for that area for States, metropolitan areas, and counties. (1994)

8.3.23 **Journey-To-Work, 1960, 1970, 1980, 1990** (computer tape, printout, diskette). Data on commuting flows to and from counties from decennial census—by place of work or by place of residence. (1990)

8.3.24 **Total Commuters' Income Flows, 1969–92** (computer tape, printout, diskette). Total gross commuters' income flows (inflows and outflows) annually for all counties. (1994)

Regional analyses and projections

9.0 BEA prepares analyses to identify and measure factors that determine area differences in total and per capita personal income and in industry employment and output. Long-term projections of personal income, employment, and earnings by industry are prepared for all States and metropolitan areas every 5 years and for selected States and areas in other years. BEA maintains midterm regional econometric models to forecast annual changes in economic activity and to analyze the impacts of projects and programs. In conjunction with the projections work, BEA has developed estimates of gross state product. These estimates, prepared by industry, supplement the estimates of personal income described in program description 8.0. For further information, write to the Regional Economic Analysis Division, BE-61, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-3700. For specific questions, the following telephone numbers may be used:

Long-term regional projections	(202) 606-5341
Midterm regional projections	-5342
Regional input-output multipliers	-5343
Gross state product by industry	-5340

9.1 **Revised Gross State Product, Annual Estimates, 1977–91** (EBB, diskette, CD-ROM). These estimates are the State equivalent of GDP and provide the most comprehensive measure of State production now available. Gross state product (GSP) is measured in current dollars as the sum of four components for each industry: Compensation of employees; proprietors' income with inventory valuation adjustment and capital consumption allowances; indirect business tax and nontax liability; and other, mainly capital-related, charges. The estimates are for the 50 States, eight BEA regions, and the United States and for 61 industries. Estimates are in current and constant (1987) dollars. Summary estimates were published in the August 1994 SURVEY OF CURRENT BUSINESS. (1994) Available online through the EBB (see [entry 1.4](#)) and on CD-ROM (see [entry 8.1](#)). Diskette (3½" HD) available from BEA: Accession No. 61-94-40-421, for GSP with DOS, or 61-94-40-423 for GSP with Windows, price \$20.00.

9.2 **Experimental Estimates of Gross State Product by Industry** (BEA Staff Paper No. 42). A description of the issues and methodology for preparing estimates of gross state product—the State equivalent of GDP. The estimates are consistent with BEA's State personal income and with GNP by industry. (The estimates and parts of the methodology published in this paper have been superseded; see [entry 9.1](#).) (1985) Available from NTIS: Accession No. PB 85-240885, price \$27.00.

9.3 **Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II), Second Edition** (publication). Presents updated tables of regional input-output (I-O) multipliers by industry, for output, earnings, and employment, for all States and the District of Columbia. Multipliers are shown on a direct-effect and a final-demand basis. Explains how to obtain multipliers for over 500 industries for any geographic area composed of one or more U.S. counties or county equivalents. Includes case studies. (1992) Available from GPO: Stock No. 003-010-00227-1, price \$13.00.

9.4 **BEA Regional Projections to 2040** (publication, diskette, CD-ROM). Estimates for 1973, 1979, 1983, and 1988 and projections for 1995, 2000, 2005, 2010, 2020, and 2040 for total personal income, population, per capita personal income, and employment and earnings by industry for the United States, BEA regions, States, metropolitan statistical areas, and BEA economic areas. Available on CD-ROM (see [entry 8.1](#)). (1990) Available in other media as follows:

Volume 1. States.

Publication—Available from NTIS: Accession No. PB 90-264532, price \$27.00.

Diskette (5¼")—Available from BEA: Accession No. 61-90-40-201, price \$40.00 (two diskettes).

Volume 2. Metropolitan Statistical Areas.

Publication—Available from GPO: Stock No. 003-010-00211-5, price \$17.00.

Diskette (5¼")—Available from BEA: Accession No. 61-90-40-202, price \$40.00 (two diskettes).

Volume 3. BEA Economic Areas.

Publication—Available from GPO: Stock No. 003-010-00212-3, price \$10.00.

Diskette (5¼")—Available from BEA: Accession No. 61-90-40-203, price \$40.00 (two diskettes).

9.5 **County Projections to 2040** (diskette). Estimates for 1973, 1979, 1983, and 1988 and projections for 1995, 2000, 2005, 2010, 2020, and 2040 for total personal income, population, per capita personal income, and employment and earnings by industry for States and counties. (1990) Complete set of 13 diskettes (3½" HD) available from BEA: Accession No. 61-92-40-352, price \$260.00. [Data are also available for user-selected States at \$20.00 per diskette. For information, call (202) 606-5341.]

International Economics

BEA's international economics program encompasses the international transactions accounts (balance of payments), including related estimates of the U.S. international investment position, and the direct investment estimates. The international transactions accounts, which measure U.S. transactions with foreign countries, include merchandise trade, trade in services, the current-account balance, and capital transactions. The direct investment estimates cover estimates of U.S. direct investment abroad and foreign direct investment in the United States, income and other flows associated with these investments, and other aspects of the operations of multinational enterprises.

10.1 BEA Reports: International Reports (EBB, STAT-USA/FAX, news release). Reports (usually seven a year) with summary estimates of international transactions (quarterly); international investment position (annual); direct investment (annual); and related topics. Reports are available online through the EBB (see [entry 1.4](#)) and by fax through STAT-USA/FAX (see [entry 1.5](#)). Printed reports are mailed the day after estimates are released. (This set of reports is included in the five sets of *BEA Reports*; see [entry 1.3](#).) The printed international reports are available from BEA on a subscription basis: Accession No. 53-91-11-018, price \$14.00 per year.

U.S. international transactions

11.0 The international transactions accounts provide a detailed and comprehensive view of economic transactions between the United States and foreign countries. The accounts include estimates of merchandise exports and imports; travel, transportation, and other services; foreign aid; and private and official capital flows, including direct investment. (Information about direct investment and international services is provided in program description 12.0.) Current estimates are reported in the March, June, September, and December issues of the SURVEY OF CURRENT BUSINESS. Estimates include detail for the current and capital accounts, classified by type of transaction and by area. Each June, estimates for the last 4 years are revised. Estimates of the international investment position of the United States appear in June. For further information, write to the Balance of Payments Division, BE-58, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-9545. For specific questions, the following telephone numbers may be used:

Current-account estimates	606-9577
Merchandise trade	-3384
Capital-account transactions	-9579
Government transactions	-9574

A recorded telephone message summarizing key estimates of U.S. international transactions is available at (202) 606-5362 (see [entry 1.2](#)).

11.1 U.S. Merchandise Trade Data (printout, diskette). Seasonally adjusted and unadjusted exports and imports for the end-use categories used by BEA to derive trade totals on a Census basis. Series begin in 1978. Updated monthly or quarterly. Available from BEA on a subscription basis:

U.S. Merchandise Trade Data, Monthly.

Printout—Accession No. 58-86-21-201, price \$100.00 per year.

Diskette (5¼")—Accession No. 58-86-41-401, price \$200.00 per year.

U.S. Merchandise Trade Data, Quarterly. Also includes, on a balance of payments basis, exports of agricultural products, nonagricultural products, and nonmonetary gold and imports of petroleum and products, nonpetroleum products, and nonmonetary gold.

Printout—Accession No. 58-86-21-202, price \$40.00 per year.

Diskette (5¼")—Accession No. 58-86-41-402, price \$80.00 per year.

11.2 U.S. Merchandise Trade: Exports and Imports by End-Use Category, Monthly (printout). Monthly end-use detail (not seasonally adjusted) on a Census basis for exports and imports for 70 countries and areas. Series begin in 1978. Available from BEA:

U.S. Merchandise Exports, Monthly. Accession No. 58-86-20-001, price \$880.00.

U.S. Merchandise Imports, Monthly. Accession No. 58-86-20-002, price \$880.00.

11.3 U.S. Merchandise Trade: Exports and Imports by End-Use Category, Quarterly (printout). Quarterly end-use detail (not seasonally adjusted) on a Census basis for exports and imports for 70 countries and areas. Series begin in 1978. Available from BEA:

U.S. Merchandise Exports, Quarterly. Accession No. 58-86-20-003, price \$275.00.

U.S. Merchandise Imports, Quarterly. Accession No. 58-86-20-004, price \$275.00.

11.4 U.S. Merchandise Trade: Exports and Imports by End-Use Category, Annually (printout). Annual end-use detail on a Census basis for exports and imports for 70 countries and areas. Series begin in 1978. Available from BEA:

U.S. Merchandise Exports, Annually.

Printout—Accession No. 58-86-20-005, price \$110.00.

U.S. Merchandise Imports, Annually.

Printout—Accession No. 58-86-20-006, price \$110.00.

11.5 An Analysis of the Use of Time-Series Models to Improve Estimates of International Transactions (BEA Working Paper No. 7). An investigation to see whether the use of time-series models could improve the accuracy and decrease the bias of the initial estimates of international transactions data in both the national income and product accounts and the international transactions accounts. Currently, these estimates require a considerable degree of judgment in lieu of complete source data. (1993) Available from BEA: Accession No. 53-93-10-002, price \$5.00.

11.6 The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures (publication). Describes in detail the methodology used in constructing the U.S. balance of payments (U.S. international transactions) estimates and the international investment position of the United States. Explains underlying principles and describes the presentation of the estimates. Includes a comprehensive list of data sources. (1990) Available from NTIS: Accession No. PB 90-268715, price \$27.00.

NOTE.—For a discussion of the relationship between foreign transactions estimates in the balance of payments accounts and those in the national income and product accounts, see [entry 2.9](#).

11.7 Current and Historical Data for U.S. International Transactions (diskettes). In March, September, and December, a current-period diskette with data for the most recent 1-2 years will be available 3 working days after the U.S. international transactions news release. In June, a current-period diskette with data for the most recent 3 years will be available 5-6 working days after the news release. In late June, a historical data diskette will be available; this diskette will include data that begins with the earliest period available for individual tables and that ends with the fourth quarter of the previous year. (1995) For order information, call (202) 606-9545. Available as follows:

Subscription—Accession No. 58-94-41-001, price \$80.00 per year.

Current-period diskette—Accession No. 58-94-40-001, price \$20.00.

Historical diskette—Accession No. 58-94-40-002, price \$20.00.

Direct investment and international services

12.0 BEA conducts quarterly, annual, and benchmark surveys of U.S. direct investment abroad and of foreign direct investment in the United States. The information collected relates to the direct investment position and flows of capital, income, royalties and license fees, and other service charges between parent companies and affiliates; the financial structure and operations of U.S. parent companies and their foreign affiliates; the financial structure and operations of U.S. affiliates of foreign companies; and U.S. business enterprises acquired or established by foreign direct investors. Summary information on the quarterly and annual surveys usually appears in the SURVEY OF CURRENT BUSINESS on the following schedule:

Foreign direct investment in the United States:

- The position and balance of payments flows, in June, with additional detail in August. (In 1993, the additional detail was published in July.)
- Operations of U.S. affiliates of foreign companies, in May (or subsequent months).
- U.S. business enterprises acquired or established by foreign direct investors, in May.

U.S. direct investment abroad:

- The position and balance of payments flows, in June, with additional detail in August. (In 1993, the additional detail was published in July.)
- Operations of U.S. parent companies and their foreign affiliates, in June (or subsequent months).

BEA's data on direct investment are collected and published at the enterprise (company) level. In 1992, highly detailed establishment (plant) level data on foreign direct investment in the United States, which complement BEA's enterprise data, became available for the first time as a result of a joint project between BEA and the Bureau of the Census. A volume containing data on the number, employment, payroll, and shipments or sales of foreign-owned U.S. establishments was published in June 1992 (see [entry 12.4](#)), and an article analyzing the data appeared in the October 1992 SURVEY OF CURRENT BUSINESS. Expanded information for 1988–91 for manufacturing establishments, including most of the items covered by the Census Bureau's annual survey of manufactures, was subsequently published. An article in the January 1994 SURVEY analyzed the results for 1989–90.

The information BEA provides on U.S. international sales and purchases of services covers cross-border (balance of payments) services transactions, sales of services abroad by nonbank majority-owned foreign affiliates of U.S. companies, and sales of services in the United States by nonbank majority-owned U.S. affiliates of foreign companies. The information on cross-border services transactions is derived from a variety of sources, including BEA surveys, surveys by other Government agencies, and non-Government sources. The information on sales of services by affiliates is obtained from BEA's benchmark and annual direct investment surveys. Since 1990, the data on international services have been published in a detailed and unified format in the September issue of the SURVEY.

For further information on direct investment and international services, write to the International Investment Division, BE-50, Bureau of Economic Analysis, U.S.

Department of Commerce, Washington, DC 20230, or call (202) 606-9800. For specific questions, the following telephone numbers may be used:

Foreign direct investment in the United States	(202) 606-9804
Operations of U.S. affiliates of foreign companies	-9893
Establishment-level data on foreign direct investment in the United States	-9898
U.S. direct investment abroad	-9867
Operations of U.S. parent companies and their foreign affiliates	-9867
International services.....	-9804

12.1 Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies (publication, diskette). The most detailed results of BEA's annual survey of foreign direct investment in the United States (only summary information appears in articles in the SURVEY OF CURRENT BUSINESS). Contains information on the financial structure and operations of nonbank U.S. affiliates of foreign direct investors. Data are classified by industry of U.S. affiliate, by country and industry of ultimate beneficial owner, and, for selected data, by industry of sales and by State. Estimates from annual surveys are first released on a preliminary basis; revised estimates are released 1 year later. Available as follows:

Foreign direct investment in the United States

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Revised 1991 Estimates. (1994)

Publication—Available from GPO: Stock No. 003-010-00246-8, price \$6.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-94-40-401, price \$20.00.

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Revised 1990 Estimates. (1993)

Publication—Available from GPO: Stock No. 003-010-00239-5, price \$6.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-93-40-401, price \$20.00.

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Revised 1989 Estimates. (1992)

Publication—Available from GPO: Stock No. 003-010-00232-8, price \$5.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-92-40-401, price \$20.00.

NOTE.—For 1987 and 1992, benchmark surveys were conducted instead of annual surveys (see [entry 12.2](#)).

12.2 Foreign Direct Investment in the United States, Benchmark Survey Results (publication, diskette). The results of BEA's benchmark survey of foreign direct investment in the United States. Benchmark surveys are BEA's most comprehensive surveys, both in terms of companies covered and information gathered. Contains information on the financial structure and operations of the U.S. affiliates of foreign direct investors. Data are classified by industry of U.S. affiliate, by country and industry of foreign parent or ultimate beneficial owner, and, for selected data, by industry of sales and by State. Results from benchmark surveys are first released on a preliminary basis; final results are released 1 year later.

Foreign Direct Investment in the United States, 1992 Benchmark Survey, Preliminary Results. (1994)

Publication—Available from GPO: Stock No. 003-010-00248-4, price \$7.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-94-40-402, price \$20.00.

Foreign Direct Investment in the United States, 1987 Benchmark Survey, Final Results. (1990)

Publication—Available from NTIS: Accession No. PB 91-108316, price \$31.00

International— Continued

Diskette (3½" HD)—Available from BEA: Accession No. 50-90-40-401, price \$20.00.

12.3 Foreign Direct Investment in the United States: Establishment Data for Manufacturing (publication, diskette). Presents detailed data from an annual series on the manufacturing establishments of U.S. affiliates of foreign companies. The data were obtained by linking BEA enterprise, or company, data on foreign direct investment in the United States with Census Bureau establishment, or plant, data for all U.S. companies. Data for the foreign-owned manufacturing establishments were extracted from the Census Bureau's annual survey of manufactures (ASM) and cover most of the ASM items, including value added, shipments, employment, total employee compensation, employee benefits, hourly wage rates of production workers, cost of materials and energy used, inventories by stage of fabrication, and expenditures for new plant and equipment. The data are presented by detailed manufacturing industry (they are classified into the 459 Standard Industrial Classification four-digit industries), by country of the ultimate beneficial owner of the establishment, and by State. Available as follows:

Foreign Direct Investment in the United States: Establishment Data for Manufacturing, 1991. (1994)

Publication—Available from GPO: Stock No. 003-010-00250-6, price \$14.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-94-40-791, price \$20.00.

Foreign Direct Investment in the United States: Establishment Data for Manufacturing, 1990. (1993)

Publication—Available from GPO: Stock No. 003-010-00242-5, price \$14.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-93-40-790, price \$20.00.

Foreign Direct Investment in the United States: Establishment Data for Manufacturing, 1989. (1993)

Publication—Available from GPO: Stock No. 003-010-00243-3, price \$13.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-93-40-789, price \$20.00.

Foreign Direct Investment in the United States: Establishment Data for Manufacturing, 1988. (1994)

Publication—Available from GPO: Stock No. 003-010-00244-1, price \$13.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-94-40-788, price \$20.00.

12.4 Foreign Direct Investment in the United States: Establishment Data for 1987 (publication, diskette). This is the first publication in an annual series that presents detailed results from linking BEA's data for foreign-owned U.S. business enterprises to the Census Bureau's data for the establishments (or plants) of those enterprises. Detailed estimates of the number, employment, payroll, and shipments or sales of foreign-owned U.S. establishments and, for comparative purposes, of all U.S. establishments are presented. Data are classified by detailed industry (four-digit SIC), by country of the ultimate beneficial owner of the investment, and by State. (1992) Available as follows:

Publication—Available from BEA: Accession No. 50-92-10-777, price \$36.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-92-40-777, price \$20.00.

12.5 Foreign Direct Investment in the United States: Balance of Payments and Direct Investment Position Estimates, 1980-86 (publication). Contains estimates of the foreign direct investment position in the United States and balance of payments transactions between foreign parent groups and their U.S. affiliates for 1980-86. Includes estimates by country of foreign parent and industry of U.S. affiliate. Note

that the data in this publication do not incorporate methodological changes made in June 1992 to the data for 1982 forward. (1990) Available from BEA: Accession No. 50-90-10-109, price \$5.00.

12.6 Foreign Direct Investment in the United States: Direct Investment Position and Related Capital and Income Flows (diskette). Annual estimates of the foreign direct investment position in the United States and selected capital and income flows between U.S. affiliates and their foreign parent companies. In June 1992, a number of methodological changes were made to the data on capital and income flows for 1982 forward. To the extent they could be carried to the detailed country and industry level presented, these changes have been incorporated in this item. Diskettes (3½" HD) available from BEA:

1987-93: Accession No. 50-94-40-606, price \$20.00.

1980-86: Accession No. 50-91-40-605, price \$20.00.

12.7 U.S. Business Enterprises Acquired or Established by Foreign Direct Investors, Supplementary Tables (printed tables, diskette). The results of BEA's survey of new foreign direct investments in the United States. Summary tables appeared in the May 1994 SURVEY OF CURRENT BUSINESS article. This set of supplementary tables contains additional detail for 1987-93 on the number of investments and investors, investment outlays, and selected operating data of the U.S. business enterprises acquired or established. (1994) Comparable tables for 1980-86 are also available. Available from BEA:

1987-92:

Printed tables—Accession No. 50-94-20-105, price \$18.00.

Diskette (3½" HD)—Accession No. 50-94-40-405, price \$20.00.

1980-86:

Printed tables—Accession No. 50-89-20-106, price \$18.00.

Diskette (3½" HD)—Accession No. 50-89-40-406, price \$20.00.

12.8 Foreign Direct Investment in the United States: Gross Product of Nonbank U.S. Affiliates, 1977-87 (printed tables). Presents estimates of U.S. affiliates' gross product by industry of U.S. affiliate and by country of ultimate beneficial owner. Note that the data for 1987 have since been revised (see "[Gross Product of U.S. Affiliates of Foreign Direct Investors, 1987-90](#)" in the November 1992 SURVEY OF CURRENT BUSINESS). (1989) Available from BEA: Accession No. 50-89-20-107, price \$10.00.

12.9 A Guide to BEA Statistics on Foreign Direct Investment in the United States (reprint). Explains the types of data on foreign direct investment in the United States that are collected and published by BEA and clarifies the differences between those data sets. This article appeared in the February 1990 SURVEY OF CURRENT BUSINESS. (1990) Available upon request from the International Investment Division.

12.10 U.S. Direct Investment Abroad: 1989 Benchmark Survey, Final Results (publication, diskette). Final results of BEA's 1989 benchmark survey of U.S. direct investment abroad. Benchmark surveys are BEA's most comprehensive surveys, both in terms of companies covered and information gathered. Presents a detailed account of U.S. direct investment abroad in 1989, including data on balance sheets; income statements; employment; employee compensation; U.S. merchandise trade; sales of goods and services; research and development expenditures; property, plant, and equipment; and taxes. Data are classified by country and industry of affiliate and industry of U.S. parent. (1992) Available as follows:

Publication—Available from GPO: Stock No. 003-010-00234-4, price \$25.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-92-40-403, price \$20.00.

U.S. direct investment abroad

International— Continued

12.11 U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates (publication, diskette). The most detailed results of BEA's annual survey of the worldwide operations of U.S. multinational companies (only summary information appears in the SURVEY OF CURRENT BUSINESS). Contains information on the financial structure and operations of both U.S. parent companies and their foreign affiliates. Data are classified by country and industry of foreign affiliate and by industry of U.S. parent. Estimates from annual surveys are first released on a preliminary basis; revised estimates are released 1 year later. Available as follows:

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Preliminary 1992 Estimates. (1994)

Publication—Available from GPO: Stock No. 003-010-00245-0, price \$6.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-94-40-404, price \$20.00.

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Revised 1991 Estimates. (1994)

Publication—Available from GPO: Stock No. 003-010-00247-6, price \$6.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-94-40-403, price \$20.00.

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Revised 1990 Estimates. (1993)

Publication—Available from GPO: Stock No. 003-010-00241-7, price \$6.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-93-40-403, price \$20.00.

NOTE.—For 1989, a benchmark survey was conducted instead of an annual survey (see [entry 12.10](#)).

12.12 U.S. Direct Investment Abroad: Direct Investment Position and Related Capital and Income Flows (printed tables, diskette). Annual estimates of the U.S. direct investment position abroad and selected capital and income flows between U.S. parent companies and their foreign affiliates. Available from BEA:


1982-88:

Printed tables—Accession No. 50-94-20-577, price \$10.00 for each year.

1989-93:

Diskette (3½" HD)—Accession No. 50-94-40-577, price \$20.00.

International services

12.13 U.S. International Sales and Purchases of Services (reprint). Presents information on services in a detailed and unified format. Includes data on cross-border transactions in services (for 1990-93) and on sales of services by majority-owned foreign affiliates of U.S. companies and by majority-owned U.S. affiliates of foreign companies (for 1991-92). This article appeared in the September 1994 SURVEY OF CURRENT BUSINESS; data are updated annually. (1994) Available upon request from the International Investment Division. 

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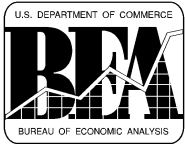
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