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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, 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. The information in news releases is available to the general public in a variety of forms: On recorded telephone messages, online through the Economic Bulletin Board[®] (EBB), by fax through STAT-USA/FAX, on the Internet through STAT-USA Internet[®], 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, including BEA's home page on the Internet, 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 BEA's 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. For information about STAT-USA's services, call (202) 482-1986.

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 the past year were "Mid-Decade Strategic Review of BEA's Economic Accounts: Maintaining and Improving Their Performance," "Improved Estimates of the National Income and Product Accounts for 1959-95: Results of the Comprehensive Revision," "An Ownership-Based Disaggregation of the U.S. Current Account, 1982-93," and "Regional and State Projections of Economic

What's New?

- SURVEY OF CURRENT BUSINESS on CD-ROM (see [entry 1.2](#));
- Summary BEA data now available on BEA's Internet site (see [entry 1.5](#));
- Change in SURVEY cover dates (see the box on [page 92](#));
- Transfer of business cycle indicators to The Conference Board (see [entry 6.0](#));
- *State Personal Income, 1929-93* (see [entry 8.2](#));
- *BEA Regional Projections to 2045: Volume 1, States* (see [entry 9.3](#));
- *Foreign Direct Investment in the United States: 1992 Benchmark Survey, Final Results* (see [entry 12.2](#)).

General—
Continued

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 electronically from STAT-USA (see [entries 1.6–1.9](#)).

Activity and Population to the Year 2005.” Current estimates of the national income and product accounts (see program [description 2.0](#)) appear every month.

The SURVEY is available from the U.S. Government Printing Office (GPO): List ID SCUB, price \$49.00 per year (domestic second-class mail), \$61.25 (foreign second-class mail), or \$90.00 (domestic first-class mail); single copy price, \$11.00 (domestic) and \$13.75 (foreign). Foreign airmail delivery rates are available upon request from GPO.

1.2 SURVEY OF CURRENT BUSINESS (CD-ROM). All of the issues of 1994 and selected articles from 1987–93 with the look and feel of the printed version. A Windows version of Acrobat Exchange LE software is included on the CD-ROM, enabling searches across the entire set of files for 1987–94. In addition, a “Copy Table to Clipboard” plug-in allow Windows users to easily extract statistical material from the SURVEY into spreadsheet format. The SURVEY files on the CD-ROM are in portable document format (PDF), a graphically oriented format that preserves document fidelity across all major computer platforms and printers. Available from BEA: Accession No. 53-95-30-001, price \$35.00. To order, contact BEA’s Public Information Office at (202) 606-9900.

NOTE.—The availability of a CD-ROM containing all the issues of the SURVEY for 1995 and selected articles for 1987–94 will be announced in the SURVEY.

1.3 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:

Gross Domestic Product (8:30 AM)	(202) 606-5306
Personal Income and Outlays (8:30 AM)	-5303
U.S. International Transactions (10:00 AM)	-5362

1.4 BEA Reports (EBB, STAT-USA/FAX, Internet, news release). Four 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; and international reports. The reports contain summary estimates. All reports are available online through the EBB (see [entry 1.6](#)), by fax through STAT-USA/FAX (see [entry 1.7](#)), and on the Internet through STAT-USA Internet (see [entry 1.9](#)). 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 four sets. Order information for the four 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](#); regional reports, [entry 7.1](#); and international reports, [entry 10.1](#).

All Four Sets. Usually a total of 37 printed reports. Available from BEA: Accession No. 53-91-11-019, price \$74.00 per year.

1.5 BEA's Home Page on the Internet. Summary data—including the latest figures on GDP, personal income, and balance of payments—are available free of charge on BEA's Internet site. The "User's Guide to BEA Information," a telephone contact list, the news release schedule, and other information are also available. Go to <http://www.bea.doc.gov>. For more detailed economic data and BEA's news releases, subscribe to STAT-USA at <http://www.stat-usa.gov> (see [entry 1.9](#)).

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

*Available through
STAT-USA*

1.6 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 national, regional, and international estimates and articles from the SURVEY OF CURRENT BUSINESS 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. 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.

1.7 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.

1.8 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 150 information programs from over 30 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 \$59.00, and an annual subscription (12 monthly issues) is \$575.00. The NTDB is also available for public use at over 1,100 Federal Depository Libraries throughout the Nation.

1.9 STAT-USA Internet (Internet). BEA's economic information is available on the Internet by subscription through STAT-USA. Users can obtain BEA news releases shortly after their release, SURVEY OF CURRENT BUSINESS issues and articles, and detailed data files from BEA's national, regional, and international economic accounts, as well as a variety of information from other Federal agencies. Subscriptions start at \$50.00; to find out more, go to <http://www.stat-usa.gov>.

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.

National income and product accounts

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 real terms, GDP price measures, the goods and services that make up GDP in current and real terms, 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 real terms. 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 analytical interest—such as the role of research and development in the U.S. economy or as the interaction of the economy and the environment—can be developed.

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 was released in January 1996. Current quarterly NIPA estimates appear in a set of 54 "selected" tables each month in the SURVEY OF CURRENT BUSINESS. The full set of NIPA tables (138 tables) usually is published at the time of annual revisions and comprehensive 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, additional component detail (for example, purchases of private structures by type and 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

SURVEY OF CURRENT BUSINESS Cover Dates

Beginning in 1996, the cover date designation for the SURVEY was changed to match the month of publication. As a result, the issues in which regular quarterly and annual articles appear will have a different monthly designation than those in which the article had previously appeared. For example, in 1996 (and henceforth), the article on the annual revision of the international transactions accounts will appear in the July issue; in previous years, this article had appeared in the June issue.

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 1.3](#)). A recorded message summarizing the latest personal income and outlays estimates is available at (202) 606-5303.

2.1 BEA Reports: Gross Domestic Product (EBB, STAT-USA/FAX, Internet, news release). Monthly reports with summary NIPA estimates that feature GDP and corporate profits. Reports are available online through the EBB (see [entry 1.6](#)), by fax through STAT-USA/FAX (see [entry 1.7](#)), and on the Internet (see [entry 1.9](#)). Printed reports are mailed the day after estimates are released. (This set of reports is included in the four sets of *BEA Reports*; see [entry 1.4](#).) 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.

Current estimates

2.2 BEA Reports: Personal Income and Outlays (EBB, STAT-USA/FAX, Internet, news release). Monthly reports with summary NIPA estimates that feature personal income and outlays. Reports are available online through the EBB (see [entry 1.6](#)), by fax through STAT-USA/FAX (see [entry 1.7](#)), and on the Internet (see [entry 1.9](#)). Printed reports are mailed the day after estimates are released. (This set of reports is included in the four sets of *BEA Reports*; see [entry 1.4](#).) 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, Internet, 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 1.6](#)) and on the Internet (see [entry 1.9](#)). 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, Internet, 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 1.6](#)) and on the Internet (see [entry 1.9](#)). Annual subscriptions for the printed table are available from BEA: Accession No. 54-84-21-209, price \$25.00 per year.

2.5 National Income and Product Accounts (diskette). The full set of NIPA tables, most with estimates from 1959 to the present. *Diskettes* (3½" HD)—available from BEA: Accession No. 54-89-40-401, price \$40.00 (two diskettes).

Historical estimates

2.6 National Income and Product Accounts of the United States (forthcoming). Two volumes will present the full set of NIPA tables for 1929-92. Includes statistical conventions and the definitions and classifications underlying the NIPA's. (1996-97) *Volume 1: 1929-58* and *Volume 2: 1959-92* will be available from GPO.

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

NIPA methodology

National Economics— Continued

BUSINESS that describe annual revisions to the **NIPA's**. These tables were last published in the July 1994 issue of the **SURVEY**. The availability of updated tables will be announced in a future issue. A number of papers that provide detailed descriptions of **NIPA** concepts and methodologies have been published (see next entry).

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.

NOTE.—The methodologies described in these papers are subject to periodic improvements that are typically introduced as part of the annual and comprehensive revisions of the **NIPA's**. These improvements—which consist of definitional changes, new source data, and new estimating methods—are described in the **SURVEY** articles that cover these revisions. For example, the major improvements introduced in the most recent comprehensive revision are described in articles in the July 1995, September 1995, October 1995, and January/February 1996 issues. For more information, write or call the National Income and Wealth Division.

- 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 \$27.00.
- 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 \$27.00.
- 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 \$24.50. The summary tables of source data and methods were last updated in the July 1994 issue of the **SURVEY** (tables 7 and 8, pages 28-45); the availability of updated tables will be announced in a future issue.
- 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 \$31.50.

NOTE.—Major changes in methodology have occurred since the publication of this methodology paper. These changes include the recognition of government investment, treatment of Federal retirement programs, enterprise definition changes, treatment of Commodity Credit Corporation loans, and deposit insurance changes. See “[The Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes](#),” SURVEY 71 (December 1991) and “[Preview of the Comprehensive Revision of the National Income and Product Accounts: Recognition of Government Investment and Incorporation of a New Methodology for Calculating Depreciation](#),” SURVEY 75 (September 1995).

- 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 \$27.00.

Gross product originating (GPO) by industry is the contribution of each industry—including government—to GDP. GPO, also known as GDP by industry or value added, equals an industry's gross output less intermediate goods and services purchased from other industries or imported. Annual estimates are expressed in both current dollars (1947-93) and in real terms (1977-93). These estimates, published in the April 1995 (1991-93) and November 1993 (1947-90) issues of the SURVEY OF CURRENT BUSINESS, are provided at approximately the two-digit Standard Industrial Classification (SIC) level. Industry classifications are based on the 1987 SIC for 1988-93, on the 1972 SIC for 1947-86, and on both the 1972 and 1987 SIC's for 1987. For further information, write to the Industry Economics Division, BE-51, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-5307.

*GDP by industry
estimates*

NOTE.—Revised estimates consistent with the recently released comprehensive revision of the NIPA's will be released in June, for 1987-94, and in July, for 1959-86.

2.13 **Gross Product by Industry.** Current-dollar estimates are provided for 1947-93. Constant-dollar estimates, which are calculated with benchmark-years and fixed 1987 weights, are provided for 1977-93. Includes the components of gross domestic income that define current-dollar GPO for each industry. Includes estimates of gross output and intermediate inputs for double-deflated industries.

Diskette (3½" HD)—Accession No. 51-91-40-406, price \$20.00.

Printout—Accession No. 51-91-20-206, price \$20.00.

2.14 **Gross Output by Detailed Industry.** Annual estimates (1977-93) of gross output in current and constant dollars (fixed 1987 weights) for double-deflated industries that were used to prepare the estimates of GPO. 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 [entry numbers 2.15 and 2.16](#) for more detailed data for manufacturing.

Diskette (3½" HD)—Accession No. 51-91-40-410, price \$20.00.

Printout—Accession No. 51-91-20-210, price \$20.00.

National Economics— Continued

2.15 Manufacturing Establishment Shipments. Annual estimates (1977–93) in current and constant dollars (fixed 1987 weights) of manufacturing establishment shipments by four-digit SIC. These estimates were used to prepare the estimates of gross output that underlie the GPO estimates for manufacturing industries.

Diskette (3½" HD)—Accession No. 51-91-40-407, price \$20.00.

Printout—Accession No. 51-91-20-207, price \$35.00.

2.16 Manufacturing Product Shipments. Annual estimates (1977–92) in current and constant dollars (fixed 1987 weights) of manufacturing product shipments by five-digit Census Bureau product class defined on a wherever made basis. Estimates for 1993 are not available. 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. 51-91-40-408, price \$20.00.

Printout—Accession No. 51-91-20-208, 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, June, and July 1984 issues of the SURVEY OF CURRENT BUSINESS. (1984) Available upon request from BEA's Public Information Office.

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 upon request from BEA's Public Information Office. (For recent information about BEA's improved chain-type measures of real output and prices, see ["Improved Estimates of the National Income and Product Accounts: Results of the Comprehensive Revision,"](#) SURVEY 76 (January/February 1996): 1-31.)

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 upon request from BEA's Public Information Office. (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. For most series, summary tables include data for 1953-92. (For a description of the R&D accounts, see "A Satellite Account for Research and Development," SURVEY 74 (November 1994): 37-71.) 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.

These estimates are being updated to reflect the results of the recently released comprehensive revision of the NIPA's. The data products that follow will become available when the updating of the estimates is completed; their availability will be announced in the SURVEY OF CURRENT BUSINESS:

2.24 Fixed Reproducible Tangible Wealth in the United States, 1925-92 (publication). Annual estimates of net stocks, depreciation, and average ages of net stock for fixed nonresidential and private capital and residential capital, for government-owned fixed capital, and for durable goods owned by consumers.

2.25 Wealth (diskette). Annual estimates of net stocks and depreciation for fixed nonresidential private and residential capital, for government-owned fixed capital, and for durable goods owned by consumers.

2.26 Detailed Investment by Industry (diskette). Annual estimates of investment purchased by industry for each detailed NIPA type of equipment and structure.

2.27 Detailed Wealth by Industry (diskette). Annual estimates of net stocks, depreciation, and discards for fixed nonresidential capital by industry for each detailed NIPA type of equipment and structure.

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, shortly after the release of the budget, about Federal fiscal programs for the next fiscal year, and for detailed tables in the NIPA annual revision 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

Wealth and related estimates

Government transactions

National
Economics—
Continued

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 \$31.50.

NOTE.—Major changes in methodology have occurred since the publication of this methodology paper. These changes include the recognition of government investment, treatment of Federal retirement programs, enterprise definition changes, treatment of Commodity Credit Corporation loans, and deposit insurance changes. See “The Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes,” SURVEY 71 (December 1991) and “Preview of the Comprehensive Revision of the National Income and Product Accounts: Recognition of Government Investment and Incorporation of a New Methodology for Calculating Depreciation,” SURVEY 75 (September 1995).

3.2 **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.) The translation package will include the annual article on the Federal budget after it is published this summer in the SURVEY OF CURRENT BUSINESS. Available from BEA: Accession No. 57-91-20-101, price \$12.00.

Input-output
accounts

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. The preparation of annual tables was suspended after the 1987 annual table; the preparation of annual tables will resume after publication of the 1992 benchmark table. For benchmark years, associated benchmark tables showing capital flows from producing to using industries are also prepared. Diskettes are available at the summary level (95 industries) and detailed level (480 industries), listed below. For further information, write to the Industry Economics Division, BE-51, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606-5585.

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 summary and detailed I-O industry levels. Includes discussion of concepts and of analytical and statistical uses of estimates, 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 1-o Tables** (diskettes). Estimates from the 1987 benchmark 1-o accounts at the summary and the detailed levels. Each product includes information on the mathematical derivation of the coefficients tables. Available from BEA:

- 1987 **Benchmark Detailed 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 Detailed, Industry-By-Commodity Total Requirements**. Accession No. 51-94-40-002, price \$40.00.
- 1987 **Benchmark Detailed, Commodity-By-Commodity Total Requirements**. Accession No. 51-94-40-003, price \$40.00.
- 1987 **Benchmark Summary, 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 at the Detailed Level**. Accession No. 51-94-40-005, price \$20.00.
- 1987 **Benchmark PCE and PDE By NIPA Category**. Contains the detailed 1-o commodity composition of NIPA personal consumption expenditures and producers' durable equipment expenditures. Accession No. 51-94-40-006, price \$20.00.

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 (3½" HD)*—Available from BEA: Accession No. 51-91-40-008, price \$20.00.

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 type of pollution abatement and control (PAC) activity (air PAC, water PAC, and solid waste management). The most recent SURVEY OF CURRENT BUSINESS article reporting the total expenditures (including capital and operating spending) appeared in May 1995. 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.

Environmental estimates

5.1 **BEA Reports: Pollution Abatement and Control Expenditures** (EBB, Internet, news release). News release on annual pollution abatement and control expenditures. Available online through the EBB (see [entry 1.6](#)) and on the Internet (see [entry 1.9](#)). 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 life-times by media for pollution abatement plant and equipment. Available from BEA: Accession No. 62-82-20-001, price \$35.00.

***Business cycle
indicators***

6.0 Effective in late 1995, responsibility for the preparation and dissemination of the composite indexes of leading, coincident, and lagging indicators was transferred to The Conference Board. The Conference Board is now producing these indexes and is maintaining and publishing a set of data similar to that previously available in the “Business Cycle Indicators” section of the SURVEY OF CURRENT BUSINESS. For more information, call The Conference Board at (212) 339-0345. In addition, many of the business cycle indicator series are available on the Economic Bulletin Board (see [entry 1.6](#)).

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

Regional Economics

7.1 BEA Reports: Regional Reports (EBB, STAT-USA/FAX, Internet, 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 1.6](#)). (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 8.4](#).) The news releases are also available by fax through STAT-USA/FAX (see [entry 1.7](#)) and on the Internet (see [entry 1.9](#)). The printed reports are mailed the day after estimates are released. (This set of reports is included in the four sets of *BEA Reports*; see [entry 1.4](#).) 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 released in January, April, July, and October. The annual estimates of State and local area personal income for a given year are subject to successive improvement. Preliminary annual State estimates, based on the current quarterly series, are released 4 months after the close of the reference year. Revised annual estimates based on more reliable source data are released in August. 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 released the following April. 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 of 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.

Regional estimates

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, 1969-94 (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 (both DOS- and Windows-based) that allows the user to dis-

Regional
Economics—
Continued

play, print, or copy one or more of the standard tables from the historical personal income series.

In addition, the CD-ROM includes BEA estimates of quarterly personal income by State (1969:I–1995:IV); Census Bureau data on intercounty flows for 1960, 1970, 1980, and 1990; BEA’s latest gross state product estimates for 1977–92; its projections to 2045 of income and employment for States and metropolitan areas; and total commuters’ income flows, 1969–94. Updated annually. (June 1996) Available from BEA: Accession No. 55–94–30–599, price \$35.00.

8.2 State Personal Income, 1929–93 (publication). Presents detailed annual estimates for States and regions of personal income for 1929–93, including estimates of per capita personal income, personal income by major source, and earnings by industry. Also presents annual estimates for States and regions of disposable personal income and per capita disposable personal income for 1969–93. Provides information about the sources and methods used to prepare the estimates for 1987–93 and samples of all the detailed tables of personal income and employment that are available for regions, States, counties, and metropolitan areas. (1995) Available from GPO: Stock No. 003–010–00257–3, price \$27.00.

8.3 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. (1994) Available from GPO: Stock No. 003–010–00249–2, price \$41.00.

Special-order regional
products . . .

8.4 Regional Income and Employment. The products listed in section 8.4 must be special ordered from BEA for the specific area(s) needed. Items 8.4.1 through 8.4.12 are for the United States, regions, and States. Items 8.4.13 through 8.4.24 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 1.6](#)). 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

8.4.1 Quarterly Personal Income, 1969–95 (EBB, Internet, printout). Total personal income by quarter for the United States, regions, and States. (1996)

8.4.2 Quarterly Personal Income by Major Source and Earnings by Industry, 1969–95 (EBB, Internet, 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. (1996)

8.4.3 Quarterly Wages and Salaries by Major Source and Major Industry, 1969–95 (EBB, Internet, computer tape, printout, diskette). Wage and salary disbursements by one-digit SIC industry by quarter for the United States, regions, and States. (1996)

8.4.4 Personal Income, Per Capita Personal Income, and Total Population, 1929–95 (EBB, Internet, computer tape, printout, diskette). Total and per capita per-

The items in section 8.4 must be special ordered. Refer to the text at the beginning of section 8.4 for instructions.

sonal income and population annually for the United States, regions, and States. (1996)

8.4.5 Personal Income by Major Source and Earnings by Industry, 1929–94 (EBB, Internet, computer tape, printout, diskette). Major sources of personal income and earnings by two-digit SIC industry annually for 1958–94 and by one-digit SIC industry annually for 1929–57 for the United States, regions, and States. (1995)

8.4.6 Wage and Salary Disbursements by Industry, 1929–94 (EBB, Internet, computer tape, printout, diskette). Wages and salaries by two-digit SIC industry annually for 1958–94 and by one-digit SIC industry annually for 1929–57 for the United States, regions, and States. (1995)

8.4.7 Full-Time and Part-Time Employment by Industry, 1969–94 (computer tape, printout, diskette). Total employment by place of work by two-digit SIC industry annually for the United States, regions, and States. (1995)

8.4.8 Full-Time and Part-Time Wage and Salary Employment by Industry, 1969–94 (computer tape, printout, diskette). Wage and salary employment by place of work by two-digit SIC industry annually for the United States, regions, and States. (1995)

8.4.9 Transfer Payments, 1948–94 (computer tape, printout, diskette). Transfer payments by type annually for the United States, regions, and States. (1995)

8.4.10 Farm Income and Expenses, 1969–94 (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. (1995)

8.4.11 Personal Tax and Nontax Payments, 1948–94 (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. (1995)

8.4.12 Disposable Personal Income, Per Capita Disposable Personal Income, and Total Population, 1948–95 (EBB, Internet, printout, diskette). Total and per capita disposable personal income and population annually for the United States, regions, and States. (1996)

8.4.13 Personal Income, Per Capita Personal Income, and Total Population, 1969–94 (EBB, Internet, computer tape, printout, diskette). Total and per capita personal income and population annually for the United States, States, metropolitan areas, and counties. (June 1996)

. . . For States, metropolitan areas, and counties

8.4.14 Per Capita Personal Income Ranking, 1994 (printout). Ranking in the United States and in regions (highest and lowest 250 counties). (June 1996) Available from BEA:

Printout—Accession No. 55-94-20-541, price \$20.00. Rankings among all counties.

Printout—Accession No. 55-94-20-542, price \$20.00. Rankings among counties with total personal incomes greater than \$50 million.

8.4.15 Personal Income by Major Source and Earnings by Major Industry, 1969–94 (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. (June 1996)

8.4.16 Personal Income by Major Source and Earnings by Industry, 1969–94 (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. (June 1996)

The items in section 8.4 must be special ordered. Refer to the text at the beginning of section 8.4 for instructions.

**Regional
Economics—
Continued**

- 8.4.17 **Full-Time and Part-Time Employment by Major Industry, 1969–94** (computer tape, printout, diskette). Total employment by one-digit SIC industry annually for the United States, States, metropolitan areas, and counties. (June 1996)
- 8.4.18 **Regional Economic Profile, 1969–94** (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. (June 1996)
- 8.4.19 **Total Wages and Salaries, Total Wage and Salary Employment, and Average Wage Per Job, 1969–94** (computer tape, printout, diskette). Annually for the United States, States, metropolitan areas, and counties. (1995)
- 8.4.20 **Transfer Payments, 1969–94** (computer tape, printout, diskette). Transfer payments by type annually for the United States, States, metropolitan areas, and counties. (June 1996)
- 8.4.21 **Farm Income and Expenses, 1969–94** (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. (June 1996)
- 8.4.22 **BEARFACTS, 1993–94 or 1984–94** (printout, diskette). One-page computer-generated narrative. Describes an area’s personal income using current estimates, growth rates, and a breakdown of the sources of personal income for that area for States, metropolitan areas, and counties. (June 1996)
- 8.4.23 **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)
- 8.4.24 **Total Commuters’ Income Flows, 1969–94** (computer tape, printout, diskette). Total gross commuters’ income flows (inflows and outflows) annually for all counties. (June 1996)

***Regional analyses
and projections***

9.0 BEA prepares analyses to identify and measure factors that determine area differences in levels and growth rates of total and per capita personal income and of industrially detailed earnings, employment, and gross state product. Annual estimates of gross state product—the market value of the goods and services produced by the labor and property located in a State—are prepared by component and industry 8 months after the release of national GDP by industry. Special tabulations from the Regional Input-Output Modeling System (RIMS II) of regional economic multipliers for any combination of counties are prepared on a reimbursable basis for use in analyzing the economic effects of events, such as the conversion of military bases and the expansion of airports. Long-term and midterm projections of personal income and gross state product, employment, and earnings by industry for States, as well as long-term projections of employment and earnings for metropolitan areas and BEA economic areas are prepared for use by planners and marketing analysts. The segmentation of the Nation into 172 BEA economic areas facilitates regional economic analysis for businesses that want to assess potential plant locations and sales territories and for public-sector and university groups that want to conduct small-area, geographically exhaustive regional economic studies. 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:

Gross state product by industry	(202) 606-5340
Regional input-output multipliers	-5343
Long-term regional projections	-5341
Midterm regional projections	-5342
BEA economic areas	-9219

9.1 **Revised Gross State Product, Annual Estimates, 1977–92** (EBB, Internet, 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; indirect business tax and nontax liability; and other, mainly capital-related, charges. A statement of sources and methods for the estimates was published in the December 1993 SURVEY OF CURRENT BUSINESS. 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. Available online through the EBB (see [entry 1.6](#)), on CD-ROM (see [entry 8.1](#)), and on the Internet (see [entry 1.9](#)). Diskette (3½" HD) available from BEA: Accession No. 61-95-40-421 for GSP with DOS, price \$20.00 (one diskette) or 61-95-40-423 for GSP with Windows, price \$40.00 (two diskettes).

9.2 Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II), Second Edition (publication). Presents tables of regional input-output 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 NTIS: Accession No. PB 92-204-262, price \$27.00.

9.3 BEA Regional Projections to 2045 (publication, EBB, Internet, diskette, CD-ROM). Estimates for 1978, 1983, and 1993 and projections for 2000, 2005, 2010, 2015, 2025, and 2045 for total personal income, population, per capita personal income, and gross state product, employment, and earnings by industry for the United States, BEA regions, and States. These estimates and projections, as well as estimates and projections of employment and earnings for metropolitan areas and BEA economic areas, will be available online through the EBB (see [entry 1.6](#)) on the Internet (see [entry 1.9](#)), and on CD-ROM (see [entry 8.1](#)) in June 1996 and in other media as follows:

Volume 1. States.

Publication—Available from GPO: Stock No. 003-010-00256-5, price \$13.00.

Diskette (3½" HD)—Available from BEA: Accession No. 61-95-40-201, price \$40.00 (two diskettes).

Metropolitan Statistical Areas.

Diskette (3½" HD)—Available in June 1996 from BEA: Accession No. 61-96-40-202, price \$40.00 (two diskettes).

BEA Economic Areas.

Diskette (3½" HD)—Available in June 1996 from BEA: Accession No. 61-96-40-203, price \$40.00 (two diskettes).

9.4 BEA Economic Areas, 1995 (EBB, Internet, diskette, CD-ROM). This segmentation of the Nation on an economic basis has 172 economic areas, and it replaces the 183-area segmentation that BEA first drafted in 1977 and then revised slightly in 1983. Each economic area consists of one or more centers of economic activity and the surrounding counties that are economically related to the centers. Economic data assembled by economic area can be used to analyze local area economic activity, local interindustry economic relationships, and interarea population movements. The codes, names, and numbers of the counties in each economic area are available online through the EBB (see [entry 1.6](#)), on the Internet (see [entry 1.9](#)), and on CD-ROM (see [entry 8.1](#)). *Diskette (3½" HD)*—Available from BEA: Accession No. 61-95-40-101, price \$20.00.

A 26" by 40" map of the economic areas is also available from BEA: Accession No. 61-95-10-500, price \$15.00.

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, Internet, news release). Reports (usually seven a year) with summary estimates of international transactions (quarterly); international investment position (annual); and related topics. Reports are available online through the EBB (see entry 1.6), by fax through STAT-USA/FAX (see entry 1.7), and on the Internet (see entry 1.9). Printed reports are mailed the day after estimates are released. (This set of reports is included in the four sets of *BEA Reports*; see entry 1.4.) 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 January, April, July, and October issues of the SURVEY OF CURRENT BUSINESS. (Prior to 1996, the current estimates appeared in the March, June, September, and December issues; see the box on page 92.) Estimates include detail for the current and capital accounts, classified by type of transaction and by area. Each July, estimates for the last 4 years are revised. Estimates of the international investment position of the United States appear in July. 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	(202) 606-9573
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 1.3).

NOTE.—Monthly estimates of U.S. international trade in goods and services are released jointly by the Bureau of the Census and BEA. For information on goods, contact the Bureau of the Census at (301) 457-2311; for information on services, contact BEA at (202) 606-9545. For information about the availability of the news releases, contact the Bureau of the Census at (301) 457-4100.

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 Bureau 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 Bureau basis for exports and imports for 70 countries and areas. Series begin in 1978. Available by subscription from BEA:

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

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

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 Bureau basis for exports and imports for 70 countries and areas. Series begin in 1978. Available by subscription from BEA:

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

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

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

U.S. Merchandise Exports, Annually. Accession No. 58-86-20-005, price \$110.00.

U.S. Merchandise Imports, Annually. 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 \$39.00.

NOTE.—The methodologies described in this paper are subject to periodic improvements that are typically introduced as part of the annual revisions of the international transactions accounts. These improvements are described in the SURVEY articles that cover the annual revisions, most recently in "U.S. International Transactions, Revised Estimates for 1983-94," SURVEY 75 (June 1995): 69-75.

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 begin with

International Economics— Continued

the earliest period available for individual tables and that end 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.

11.8 U.S. International Sales and Purchases of Private Services (diskette). The diskette contains data on cross-border transactions for 1986-94 and on sales by majority-owned affiliates for 1989-93. The estimates cover transactions by type of service, by area, and by industry. Available from BEA: Accession No. 58-93-40-501, 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 July, with additional detail in September. (Prior to 1996, these estimates were published in June and August, respectively. In 1993, the additional detail was published in July.)
- Operations of U.S. affiliates of foreign companies, in June (or subsequent months). (Prior to 1996, these estimates were published in May or subsequent months.)
- U.S. business enterprises acquired or established by foreign direct investors, in June. (Prior to 1996, these estimates were published in May.)

U.S. direct investment abroad:

- The position and balance of payments flows, in July, with additional detail in September. (Prior to 1996, these estimates were published in June and August, respectively. In 1993, the additional detail was published in July.)
- Operations of U.S. parent companies and their foreign affiliates, in July (or subsequent months). (Prior to 1996, these estimates were published 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 for 1987 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. Articles in the January 1994 and March 1996 issues of the SURVEY analyzed the results.

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. From 1990 to 1995, the data on international services were published in a detailed and unified format in the September issue of the SURVEY. Beginning with 1996, these data will appear in the October 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
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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, Preliminary 1993 Estimates. (1995)

Publication—Available from GPO: Stock No. 003-010-00255-7, price \$6.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-95-40-402, price \$20.00.

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

Publication—Available from BEA: Accession No. 50-94-10-101, 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 NTIS: Accession No. PB 93-216224, price \$19.50.

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

NOTE.—For 1992, a benchmark survey was conducted instead of an annual survey (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,

International Economics— Continued

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, Final Results. (1995)

Publication—Available from GPO: Stock No. 003-010-00259-0, price \$20.00.

Diskette (3½" HD)—Available from BEA: Accession No. 50-95-40-401, 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 \$48.00

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 annual data for 1988-91 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 BEA: Accession No. 50-93-10-790, 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 BEA: Accession No. 50-93-10-789, 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 BEA: Accession No. 50-94-10-788, 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). 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 (printed tables, 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. Available from BEA:

1987-94:

Printed tables—Accession No. 50-96-20-606, price \$10.00 for each year.

Diskettes (3½" HD)—Accession No. 50-95-40-606, price \$20.00.

1980-86:

Diskettes (3½" HD)—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 1995 SURVEY OF CURRENT BUSINESS article. This set of supplementary tables contains additional detail for 1992-94 on the number of investments and investors, investment outlays, and selected operating data of the U.S. business enterprises acquired or established. (1995) Comparable tables for 1980-86 are also available. Available from BEA:

Printed tables:

1992-94—Accession No. 50-95-20-105, price \$10.00.

1987-91—Accession No. 50-95-20-106, price \$18.00.

1980-86—Accession No. 50-89-20-106, price \$18.00.

Diskettes (3½" HD):

1992-94—Accession No. 50-95-40-405, price \$20.00.

1980-91—Accession No. 50-96-40-406, price \$20.00.

12.8 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.

U.S. direct investment abroad

12.9 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 1993 Estimates. (1995)

Publication—Available from GPO: Stock No. 003-010-00254-9, price \$6.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-95-40-404, price \$20.00.

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Revised 1992 Estimates. (1995)

Publication—Available from GPO: Stock No. 003-010-00253-1, price \$6.50.

Diskette (3½" HD)—Available from BEA: Accession No. 50-95-40-403, 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 NTIS: Accession No. PB 94-196425, price \$19.50.

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

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 NTIS: Accession No. PB 93-127702, price \$57.00.

Diskette—Available from BEA: Accession No. 50-92-40-403, price \$20.00.

12.11 U.S. Direct Investment Abroad: Balance of Payments and Direct Investment Position Estimates, 1982-88 (publication). Contains estimates of the U.S. direct investment position abroad and balance of payments transactions between U.S. parent companies and their foreign affiliates for 1982-88. The data are presented by country and industry of affiliate. (1995) Available from GPO: Stock No. 003-010-00258-1, price \$6.50.

12.12 U.S. Direct Investment Abroad: Direct Investment Position and Related Capital and Income Flows (printed tables, diskette). (These data, together with additional data, are also available on diskette (see [entry 11.8](#)).) 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:

1989-94:


Printed tables—Accession No. 50-96-20-577, price \$10.00 for each year.

1982-94:

Diskette (3½" HD)—Accession No. 50-95-40-577, price \$20.00.

12.13 A Guide to BEA Statistics on U.S. Multinational Companies (reprint). Explains the types of data on U.S. multinational companies that are collected and published by BEA and clarifies the differences between those data sets. This article

appeared in the March 1995 SURVEY OF CURRENT BUSINESS. (1995) Available upon request from the International Investment Division.

12.14 **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 1991–94) 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 1992–93). (These data, together with additional data, are also available on diskette (see [entry 11.8](#)).) This article appeared in the September 1995 SURVEY OF CURRENT BUSINESS; data are updated annually. (1995) (Beginning with 1996, the article will appear in the October issue of the SURVEY.) Available upon request from the International Investment Division. 

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