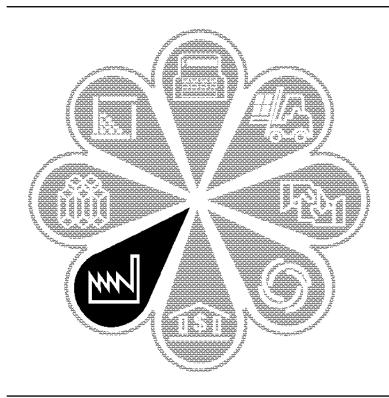
1992 Census of Manufactures

MC92-I-27A

INDUSTRY SERIES

Newspapers, Periodicals, Books, and Miscellaneous Publishing

Industries 2711, 2721, 2731, 2732, and 2741



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Economics and Statistics Administration Everett M. Ehrlich, Under Secretary for Economic Affairs

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Manufacturing and Construction Division prepared this report. **David W. Cartwright**, Assistant Chief for Census and Related Programs, was responsible for the overall planning, management, and coordination of the census of manufactures. Planning and implementation were under the direction of **Michael Zampogna**, Chief, Wood and Chemical Products Branch, assisted by **Allen Foreman**, Section Chief, with primary staff assistance by **Susan Sundermann**.

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If you have any questions concerning the statistics in this report, call 301-457-4810.



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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product, input/ output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions.

Policymaking agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.

State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.

Trade associations study trends in their own and competing industries and keep their members informed of market changes.

Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

AUTHORITY AND SCOPE

Title 13 of the United States Code (sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7. The 1992 Economic Census consists of the following eight censuses:

- · Census of Retail Trade
- · Census of Wholesale Trade
- · Census of Service Industries
- Census of Financial, Insurance, and Real Estate
 Industries
- · Census of Transportation, Communications, and Utilities
- · Census of Manufactures
- Census of Mineral Industries
- Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1992 Census of Agriculture and 1992 Census of Governments are conducted separately.) The next economic census is scheduled to be taken in 1998 covering the year 1997.

AVAILABILITY OF THE DATA

The results of the economic census are available in printed reports for sale by the U.S. Government Printing Office and on compact discs for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Bureau of the Census, Washington, DC 20233-8300. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State data centers in every State as well as business and industry data centers in many States also supply economic census statistics.

WHAT'S NEW IN 1992

The 1992 Economic Census covers more of the economy than any previous census. New for 1992 are data on communications, utilities, financial, insurance, and real estate, as well as coverage of more transportation industries. The economic, agriculture, and governments censuses now collectively cover nearly 98 percent of all economic activity.

Among other changes, new 1992 definitions affect the boundaries of about a third of all metropolitan areas. Also, the Survey of Women-Owned Businesses has now been expanded to include all corporations.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1963, 1958, and 1954. Prior to that time, the individual subcomponents of the economic census were taken separately at varying intervals. The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 Manufactures Census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade and construction industries, but it was broadened in 1933 to include some of the service trades.

The 1954 Economic Census was the first census to be fully integrated—providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires. The Enterprise Statistics Program, which publishes combined data from the economic census, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The census of construction industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The census of transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks, but expanded in 1987 to cover business establishments in several transportation industries. For 1992, these statistics are incorporated into a broadened census of transportation, communications, and utilities. Also new for 1992 is the census of financial, insurance, and real estate industries. This is part of a gradual expansion in coverage of industries previously subjected to government regulation. The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic census in 1972 along with the Survey of Women-Owned Businesses.

An economic census has also been taken in Puerto Rico since 1909, in the Virgin Islands of the United States and Guam since 1958, and in the Commonwealth of the Northern Mariana Islands since 1982.

Statistical reports from the 1987 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census data published since 1967 are still available for sale on microfiche from the Census Bureau.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the census provides complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, with the results appearing in publication series such as Current Business Reports (retail and wholesale trade and service industries), the Annual Survey of Manufactures, Current Industrial Reports, and the Quarterly Financial Report. Most of these surveys, while providing more frequent observations, yield less kind-of-business and geographic detail than the census. The County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1992 Economic Census and Related Statistics.* More information on the methodology, procedures, and history of the census will be published in the *History of the 1992 Economic Census.* Contact Customer Services for information on availability.

Census of Manufactures

GENERAL

This report, from the 1992 Census of Manufactures, is one of a series of 83 industry reports, each of which provides statistics for individual industries or groups of related industries. Additional separate reports will be issued for each State and the District of Columbia and for special subjects such as manufacturers' shipments to the federal government and concentration ratios in manufacturing.

The industry reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, capital expenditures, product shipments, etc.

State reports present similar statistics for each State and its important metropolitan areas (MA's), counties, and places. Selected statistical totals for "all manufacturing" have been shown in the State reports for MA's with 250 employees or more and for counties and places with 500 employees or more.

The General Summary report contains industry, product class, and geographic area statistics summarized in one report. The introduction to the General Summary discusses, at greater length, many of the subjects described in this introduction. For example, the General Summary text discusses the relationship of value added by manufacture to national income by industry of origin, the changes in statistical concepts over the history of the censuses, and the valuation problems arising from intracompany transfers between manufacturing plants of a company and between manufacturing plants and sales offices and sales branches of a company.

SCOPE OF CENSUS AND DEFINITION OF MANUFACTURING

The 1992 Census of Manufactures covers all establishments with one paid employee or more primarily engaged in manufacturing as defined in the 1987 Standard Industrial Classification (SIC) Manual¹ This is the system of industrial classification developed by experts on classification in Government and private industry under the guidance of the Office of Information and Regulatory Affairs, Office of Management and Budget. This classification system is used by Government agencies as well as many organizations outside the Government.

The SIC Manual defines manufacturing as the mechanical or chemical transformation of substances or materials into new products. The assembly of component parts of products also is considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills that characteristically use powerdriven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfers to other plants of the same company, or to the order of industrial users rather than for direct sale to the household consumer. Some manufacturers in a few industries sell chiefly at retail to household consumers through the mail, through house-to-house routes, or through salespersons. Some activities of a service nature (enameling, engraving, etc.) are included in manufacturing when they are performed primarily for trade. They are considered nonmanufacturing when they are performed primarily to the order of the household consumer.

RELATIONSHIP BETWEEN ANNUAL SURVEY OF MANUFACTURES AND CENSUS OF MANUFACTURES

The Bureau of the Census conducts the annual survey of manufactures (ASM) in each of the 4 years between the censuses of manufactures. The ASM is a probability-based sample of approximately 62,000 establishments and collects the same industry statistics (employment, payroll, value of shipments, etc.) as the census of manufactures. In addition to collecting the information normally requested on the census form, the establishments in the ASM sample are requested to supply information on assets, capital expenditures, retirements, depreciation, rental payments, supplemental labor costs, costs of purchased services, and foreign content of materials consumed. Except for supplemental labor costs, the extra ASM items are collected only in census years.

ESTABLISHMENT BASIS OF REPORTING

The census of manufactures is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each

¹Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

location. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1992, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries. This report excludes information for separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company (see Auxiliaries).

MANUFACTURING UNIVERSE AND CENSUS REPORT FORMS

The 1992 Census of Manufactures universe includes approximately 380,000 establishments. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures. The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form. In the 1992 Census of Manufactures, approximately 143,000 small single-establishment companies were excused from filing reports. Selection of these small establishments was done on an industryby-industry basis and was based on annual payroll and total shipments data as well as on the industry classification codes contained in the administrative records of Federal agencies. The cutoffs were selected so that these administrative-records cases would account for no more than 3 percent of the value of shipments for all manufacturing. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms.

Information on the physical location of the establishment, as well as information on payrolls, receipts (shipments), and industry classification, was obtained from the administrative records of other Federal agencies under special arrangements, which safeguarded their confidentiality. Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these establishments but were included in the product and material "not specified by kind" (n.s.k.) categories.

The industry classification codes included in the administrative-records files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded at the fourdigit SIC level. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes these administrative-records cases were only given a two- or three-digit SIC group. For the 1992 Census of Manufactures, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the four-digit SIC level. Establishments that did not return the classification form were coded later to those four-digit SIC industries identified as "not elsewhere classified" (n.e.c.) within the given two- or three-digit industry groups.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

- 2. Establishments sent a report form. The over 237,000 establishments covered in the mail canvass were divided into three groups:
 - a. **ASM sample establishments.** This group consisted of approximately 62,000 establishments covering all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size (see Appendix B, Annual Survey of Manufactures).

In a census of manufactures year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply information on assets, capital expenditures, retirements, depreciation, rental payments, supplemental labor costs, and costs of purchased services. See appendix A, section 2, for an explanation of these items.

The census part of the report form is 1 of approximately 200 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of these many forms to canvass the 459 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to be performing. Respondents were requested to identify the products, the value of each product, and, in a large number of cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materialsconsumed inquiry, which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant material not identified on the form.

Finally, a wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

- b. Large and medium establishments (non-ASM). Approximately 112,000 establishments were included in this group. A variable cutoff, based on administrative-records payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the approximately 200 census of manufactures regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.
- c. Small single-establishment companies (non-ASM). This group consisted of approximately 63,000 establishments. For those industries where application of the variable cutoff for administrative-records cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or "short" form was used. These establishments received 1 of the approximately 80 versions of the short form, which requested summary product and

material data and totals but no details on employment, payrolls, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics; the same data were collected on the short form as on the long form. However, detailed information on materials consumed was not collected on the short form; thus its use would increase the value of the n.s.k. categories.

AUXILIARIES

In this industry report, the data on employment and payroll are limited to operating manufacturing establishments. The census report form filed for auxiliaries (ES-9200) requested a description of the activity of the establishments serviced. However, the manufacturing auxiliaries were coded only to the two-digit major group of the establishments they served; whereas, the operating establishments were coded to a four-digit manufacturing industry. Data for the approximately 11,000 separately operated auxiliaries are included in the geographic area series and in a report issued as part of the 1992 Enterprise Statistics Survey.

Auxiliaries are establishments whose employees are primarily engaged in performing supporting services for other establishments of the same company, rather than for the general public or for other business firms. They can be at different locations from the establishments served or at the same location as one of those establishments but not operating as an integral part thereof and serving two establishments or more. Where auxiliary operations are conducted at the same location as the manufacturing operation and operate as an integral part thereof, they usually are included in the report for the operating manufacturing establishment.

Included in the broad category of auxiliaries are administrative offices. Employees in administrative offices are concerned with the general management of multiestablishment companies, i.e., with the general supervision and control of two units or more, such as manufacturing plants, mines, sales branches, or stores. The functions of these employees may include the following:

- 1. Program planning, including sales research and coordination of purchasing, production, and distribution
- 2. Company purchasing, including general contracts and purchasing methods
- 3. Company financial policy and accounting
- 4. General engineering, including design of product machinery and equipment, and direction of engineering effort conducted at the individual operation locations
- 5. Company personnel matters
- 6. Legal and patent matters

Other types of auxiliaries serving the plants or central management of the company include purchasing offices, sales promotion offices, research and development organizations, etc.

INDUSTRY CLASSIFICATION OF ESTABLISH-MENTS

Each of the establishments covered in the census was classified in 1 of 459 manufacturing industries in accordance with the industry definitions in the 1987 SIC Manual. The 1987 edition of this manual represents a major revision for manufacturing industries from the 1972 edition and its 1977 supplement. Appendix A of the 1987 Manual notes the revisions in the four-digit industry levels between 1972/77 and 1987.

An industry is generally defined as a group of establishments producing the same product or a closely related group of products. The product groupings from which industry classifications are derived are based on considerations such as similarity of manufacturing processes, types of materials used, types of customers, and the like. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees. The system operates in such a way that the definitions progressively become narrower with successive additions of numerical digits. For 1992, there are 20 major groups (two-digit SIC), 139 industry groups (three-digit SIC), and 459 industries (four-digit SIC). This represents an expansion of four-digit industries from 452 in 1972/77 and a reduction of threedigit groups from 143 in 1972/77. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. There are about 11,000 products identified by a seven-digit code. The seven-digit products are considered the primary products of the industry with the same four digits.

Accordingly, an establishment is usually classified in a particular industry on the basis of its major activity during a particular year, i.e., production of the products primary to that industry exceeds, in value, production of the products primary to any other single industry. In a few instances, however, the industry classification of an establishment is not only determined by the products it makes but also by the process employed in operations. Refining of nonferrous metals from ore or rolling and drawing of nonferrous metals (processes which involve heavy capitalization in specialized equipment) would be classified according to the process used during a census year. These establishments then would be "frozen" in that industry during the following ASM years.

In either a census or ASM year, establishments included in the ASM sample with certainty weight, other than those involved with heavily capitalized activities described above, are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix. In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year (see Appendix B, Annual Survey of Manufactures). However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that, at the aggregate level, some industries comprise different mixes of establishments between survey years and establishment data for such industry statistics as employment and payroll may be tabulated in different industries between survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the four-digit SIC level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrativerecords cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

While some establishments produce only the primary products of the industry in which they are classified, all establishments of an industry rarely specialize to this extent. The industry statistics (employment, inventories, value added by manufacture, total value of shipments including resales and miscellaneous receipts, etc.) shown in tables 1a through 5a, therefore, reflect not only the primary activities of the establishments in that industry but also their secondary activities. The product statistics in table 6a represent the output of all establishments whether or not they are classified in the same industry as the product. For this reason, in relating the industry statistics, the composition of the industry's output shown in table 5b should be considered.

The extent to which industry and product statistics may be matched with each other is measured by two ratios which are computed from the figures shown in table 5b. The first of these ratios, called the primary product specialization ratio, measures the proportion of product shipments (both primary and secondary) of the establishments classified in the industry represented by the primary products of those establishments. The second ratio, called the coverage ratio, is the proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

However, establishments making products falling into the same industry category may use a variety of processes and materials to produce them. Also, the same industry classification (based on end products) may include both establishments that are highly integrated and those that put only the finishing touches on an already highly fabricated item. For example, the refrigeration equipment industry includes instances of almost complete integration (production of the compressor, condensing unit, electric motor, casting, stamping of the case, and final assembly) all carried on at one plant. On the other hand, the condensing unit, the motor, and the case may be purchased and only assembled into the finished product.

In some instances, separate industry categories have been established for integrated and nonintegrated establishments. For other industries, the census provides separate statistics on the production of intermediate commodities made and used in the producing plant. For some industries characterized by many plants of the same company, separate figures on interplant transfers of products usually are shown.

Differences in the integration of production processes, types of operations, and alternatives in types of materials used should be considered when relating the industry statistics (employment, payrolls, value added, etc.) to the product and material data.

VALUE OF SHIPMENTS FOR THE INDUSTRY COMPARED WITH VALUE OF PRODUCT SHIPMENTS

This report shows value of shipments data for industries and products. In tables 1a through 5b, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in table 6a represents the total value of all products shipped that are classified as primary to an industry.

CENSUS DISCLOSURE RULES

In accordance with Federal law governing census reports, no data are published that would disclose the data for an individual establishment or company. However, the number of establishments classified in a specific industry is not considered a disclosure, so this information may be released even though other information is withheld.

The disclosure analysis for the industry statistics in tables 1a through 5a of this report is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for new capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for new capital expenditures that can be suppressed even though value of shipments data are publishable.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1992 Census of Manufactures may be obtained on computer diskette or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief, Manufacturing and Construction Division, Bureau of the Census, Washington, DC 20233.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- Represents zero.
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (NC) Not comparable.
- (S) Withheld because estimate did not meet publication standards.
- (X) Not applicable.
- (Z) Less than half the unit shown.
- n.e.c. Not elsewhere classified.
- n.s.k. Not specified by kind.
- pt. Part.
- r Revised.
- SIC Standard Industrial Classification.

Other abbreviations, such as lb, gal, yd, doz, bbl, and s tons, are used in the customary sense.

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Import/ export publications	Foreign Trade Division	301-457-3041
Industry analysis and forecasting	International Trade Administration	202-377-4356

Users' Guide for Locating Statistics in This Report by Table Number

[For explanation of terms, see appendixes]

			Four-dig	it industry :	statistics				Five-digit product class and seven-digit product statistics				
ltem	His- torical	Oper- ating ratios	By geo- graphic area	Sum- mary and supple- mental	By employ- ment size	By industry and product class special- ization	Materials con- sumed by kind	Industry- product analysis	Product ship- ments	Product class by geo- graphic area	Historical product class		
Number of companies	1a			3a					*6a				
Number of establishments	1a		2	3a	4	5a							
Employment and payroll: Number of employees Payroll Supplemental labor costs Production workers Production-worker hours Production-worker wages	1a 1a 1a 1a 1a	1b 1b 1b 1b 1b	2 2 2 2 2	3a 3a 3a 3a 3a	4 4 4 4	5a 5a 5a 5a							
Shipments, cost of materials, and value added: Value of shipments (four-digit) Product class shipments (five-digit) Product shipments (seven-digit) Value added by manufacture Cost of materials	1a 1a 1a	1b 1b 1b	2 2 2	3a 3a 3a	4	5a 5a 5a		5b	6a 6a	6b	6c		
Fuels and electric energy Materials consumed by kind . Inventories: Total, end of year By stage of fabrication	1a			3a 3a 3a	4		7						
Capital expenditures, assets, rental payments, and purchased services: New capital expenditures Used plant and equipment expenditures Gross assets Depreciation Retirements of buildings and machinery Foreign content of materials consumed	1a		2	3b 3b 3b 3b 3b 3b 3b	4	5a							
Purchased services Ratios: Specialization Coverage	1a 1a			Зс				5b 5b					

*Number of companies with shipments of more than \$100 thousand.

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MANUFACTURES-INDUSTRY SERIES

Description of Industries and Summary of Findings

This report shows 1992 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC code and title

- 2711 Newspapers
- 2721 Periodicals
- 2731 Book Publishing
- 2732 Book Printing
- 2741 Miscellaneous Publishing

The industry statistics (employment, payroll, cost of materials, value of shipments, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments but also their activities in the manufacture of secondary products as well as their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 through 5a) with product statistics (table 6) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5b, which shows the value of primary and secondary products shipped by establishments classified in the specified industry and the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

Establishment data were tabulated based on industry definitions included in the *1987 Standard Industrial Classification (SIC) Manual*¹. The 1987 edition represents a major revision for manufacturing industries from the 1972 edition and its 1977 supplement. In addition to the 1987 SIC revision, changes were made to the product class (five-digit) and product code (seven-digit) categories. The product class and product code comparability between the 1992 and 1987 censuses is shown in appendix C. This appendix presents, in tabular form, the linkage from 1992 to 1987, and 1987 to 1992.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

INDUSTRY 2711, NEWSPAPERS

This industry is made up of establishments primarily engaged in publishing newspapers, or in publishing and printing newspapers. These establishments carry on the various operations necessary for issuing newspapers, including the gathering of news and the preparation of editorials and advertisements, but may or may not perform their own printing. Commercial printing is frequently carried on by establishments engaged in publishing and printing newspapers, but, even though the commercial printing may be of major importance, such establishments are included in this industry. Establishments not engaged in publishing newspapers, but which print newspapers for publishers, are classified in industry group 275. News syndicates are classified in services, industry 7383. The term "newspaper" includes those publications issued at regular frequencies which contain news of interest to the general public whether or not they are published in the English language. Publications have been classified as periodicals (industry 2721) rather than as newspapers if their news and editorial presentations do not appear to be directed to the public at large. Among the types of publications sometimes considered newspapers, but treated in the census as periodicals, are the following: trade journals, house organs, local church or school papers, and like publications with very limited or specialized news treatment. Generally, publications issued by nonprofit organizations (educational, religious, charitable, labor, business, professional, etc.) are classified as periodicals, as are magazine and comic supplements for Sunday newspapers.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2711, Newspapers, had employment of 417.0 thousand. The employment figure was 4 percent below the 434.4 thousand reported in 1987. Compared with 1991, employment decreased 3 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were California, New York, Florida, and Pennsylvania, accounting for approximately 31 percent of the industry's employment. This represents a shift from 1987 when California, New York, Texas, and Florida accounted for approximately 33 percent of the industry's employment.

¹Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

The total receipts for establishments classified in this industry were \$34.1 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2711 shipped \$32.3 billion of products considered primary to the industry, \$1.4 billion of secondary products, and had \$492.6 million of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 96 percent (specialization ratio). In 1987, the specialization ratio was 97 percent.

Establishments in this industry also accounted for 100 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio also was 100 percent.

The products primary to industry 2711, no matter in what industry they were produced, appear in table 6a and aggregate to \$32.3 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the newspaper publishing industry amounted to \$6.9 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 5 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 13 percent of the total value of shipments.

INDUSTRY 2721, PERIODICALS

This industry is made up of establishments primarily engaged in publishing periodicals, or in publishing and printing periodicals. These establishments carry on the various operations necessary for issuing periodicals, but may or may not perform their own printing. Establishments not engaged in publishing periodicals, but which print periodicals for publishers, are classified in industry group 275. Data on the periodical publishing activities of nonprofit organizations (religious, educational, social, charitable, etc.) have been included to the extent that the employees of such organizations are covered under the Social Security system. For the distinction between newspapers and periodicals for the census of manufactures, see the foregoing statements under industry 2711.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2721, Periodicals, had employment of 116.2 thousand. The employment figure was 6 percent above the 110.0 thousand reported in 1987. Compared with 1991, employment increased 5 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were New York, Illinois, California, and Pennsylvania, accounting for approximately 53 percent of the industry's employment. These same States were the leaders in 1987 when they accounted for 56 percent of the industry's employment.

The total receipts for establishments classified in this industry were \$22.0 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2721 shipped \$19.8 billion of products considered primary to the industry, \$1.1 billion of secondary products, and had \$1.1 billion of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 95 percent (specialization ratio). In 1987, the specialization ratio also was 95 percent.

Establishments in this industry also accounted for 95 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio was 96 percent.

The products primary to industry 2721, no matter in what industry they were produced, appear in table 6a and aggregate to \$20.9 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the periodical publishing industry amounted to \$6.2 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 5 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 21 percent of the total value of shipments.

INDUSTRY 2731, BOOK PUBLISHING

This industry is made up of establishments primarily engaged in publishing or in publishing and printing books and pamphlets. Establishments primarily engaged in printing or printing and binding books and pamphlets for publishers, but not publishing themselves, are classified in industry 2732. Industry 2731 also includes data on book publishing activities obtained from nonprofit organizations whose employees are covered under the Social Security system and were able to report their book publishing operations as a separate establishment.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same. In the 1992 Census of Manufactures, Industry 2731, Book Publishing, had employment of 79.6 thousand. The employment figure was 14 percent above the 70.1 thousand reported in 1987. Compared with 1991, employment increased 3 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were New York, California, New Jersey, and Minnesota, accounting for approximately 50 percent of the industry's employment. This represents a shift from 1987 when New York, California, Illinois, and New Jersey accounted for approximately 54 percent of the industry's employment.

The total value of shipments for establishments classified in this industry was \$16.7 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2731 shipped \$14.1 billion of products considered primary to the industry, \$1.3 billion of secondary products, and had \$1.4 billion of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 92 percent (specialization ratio). In 1987, the specialization ratio also was 92 percent.

Establishments in this industry also accounted for 95 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio also was 95 percent.

The products primary to industry 2731, no matter in what industry they were produced, appear in table 6a and aggregate to \$14.8 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the book publishing industry amounted to \$5.3 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 5 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 13 percent of the total value of shipments.

INDUSTRY 2732, BOOK PRINTING

This industry is made up of establishments primarily engaged in printing or in printing and binding books and pamphlets, but not engaged in publishing. Establishments primarily engaged in publishing, or in publishing and printing books and pamphlets are classified in industry 2731. Establishments engaged in both printing and binding books, but primarily binding books printed elsewhere, are classified in industry 2789. Establishments classified in industry 2732 are similar in character to some establishments primarily engaged in commercial printing (industries 2752, 2754, and 2759). The distinction is that all the establishments classified in industry 2732 derive the greater part of their revenue from printing books and pamphlets, while such operations are secondary activities for establishments classified in industries 2752, 2754, and 2759.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2732, Book Printing, had employment of 50.9 thousand. The employment figure was 17 percent above the 43.5 thousand reported in 1987. Compared with 1991, employment increased 5 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were Pennsylvania, Indiana, and Tennessee. This represents a shift from 1987 when Pennsylvania, Tennessee, and Massachusetts were the leading States.

The total value of shipments for establishments classified in this industry was \$4.7 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2732 shipped \$4.0 billion of products considered primary to the industry, \$514.1 million of secondary products, and had \$131.3 million of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 89 percent (specialization ratio). In 1987, the specialization ratio also was 89 percent.

Establishments in this industry also accounted for 85 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio was 88 percent.

The products primary to industry 2732, no matter in what industry they were produced, appear in table 6a and aggregate to \$4.7 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the book printing industry amounted to \$1.9 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 10 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 6 percent of the total value of shipments.

INDUSTRY 2741, MISCELLANEOUS PUBLISHING

This industry is made up of establishments primarily engaged in miscellaneous publishing activities, not elsewhere classified, whether or not engaged in printing. Establishments primarily engaged in offering financial, credit, or other business services, and which may publish directories as part of this service, are classified in Division I, Services.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2741, Miscellaneous Publishing, had employment of 65.4 thousand. The employment figure was 6 percent below the 69.5 thousand reported in 1987.

The leading States in employment in 1992 were New York, California, Pennsylvania, and Illinois, accounting for approximately 38 percent of the industry's employment. This represents a shift from 1987 when New York, California, Michigan, and New Jersey accounted for approximately 38 percent of the industry's employment.

The total receipts for establishments classified in this industry were \$11.0 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2741 shipped \$10.5 billion of miscellaneous publishing products considered primary to the industry, \$269.0 million of secondary products, and had \$232.8 million of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 97 percent (specialization ratio). In 1987, the specialization ratio was 98 percent.

Establishments in this industry also accounted for 91 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio also was 91 percent.

The products primary to industry 2741, no matter in what industry they were produced, appear in table 6a and aggregate to \$11.6 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the miscellaneous publishing industry amounted to \$2.5 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 10 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 18 percent of the total value of shipments.

Table 1a. Historical Statistics for the Industry: 1992 and Earlier Years

[Excludes data for	auxiliaries.	For mean	ing of abbre	eviations an	d symbols, s	ee introduc	tory text. F	or explanation	on of terms, see	appendixes]					
		All establi	ishments ³	All emp	oloyees	Pro	duction wor	kers						Rat	ios
Year ¹	Com- panies ² (no.)	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufac- ture ⁴ (million dollars)	Cost of materials ⁵ (million dollars)	Value of shipments (million dollars)	New capital expend- itures ⁶ (million dollars)	End-of- year inven- tories ⁴ (million dollars)	Spe- ciali- zation ⁷ (per- cent)	Cover- age ⁸ (per- cent)
					1		INDUST	RY 2711,	NEWSPAPER	s				1	
1992 Census 1991 ASM 1990 ASM 1989 ASM 1987 Census 1986 ASM 1987 CAUS 1986 ASM 1986 ASM 1986 ASM 1986 ASM 1986 ASM 1985 ASM 1985 ASM 1985 ASM 1985 Census 1982 Census	6 762 (NA) (NA) (NA) (NA) 7 473 (NA) (NA) (NA) (NA) (NA) 7 520	8 679 (NA) (NA) (NA) (NA) 9 091 (NA) (NA) (NA) (NA) 8 846	2 629 (NA) (NA) (NA) (NA) 2 619 (NA) (NA) (NA) (NA) (NA) 2 554	417.0 428.4 43.4 430.9 432.4 434.4 420.0 411.0 398.6 404.1 401.5	10 506.4 10 308.7 10 407.1 9 842.3 9 348.9 9 021.7 8 380.5 7 904.7 7 366.7 7 059.1 6 554.7	135.3 145.1 149.2 147.4 146.4 148.4 151.9 151.3 148.5 150.0 147.2	235.8 251.6 253.2 253.8 262.5 262.4 270.0 265.9 264.9 263.6 259.3	3 038.8 3 086.6 3 133.0 2 999.4 2 998.1 2 985.1 2 913.0 2 829.0 2 712.1 2 600.2 2 386.6	27 247.0 26 092.7 26 559.6 25 929.7 24 891.9 24 311.3 22 168.6 20 426.3 18 871.7 17 298.2 15 275.3	6 874.0 7 606.2 8 087.2 8 218.4 8 038.3 7 533.6 7 024.5 6 584.6 6 429.3 5 991.5 6 006.4	34 124.3 33 702.1 34 641.7 34 145.8 31 850.1 29 205.9 27 014.7 25 302.2 23 259.4 21 276.3	1 667.4 1 537.8 1 885.9 1 984.5 1 631.3 1 522.7 1 296.0 1 429.7 1 086.6 991.3 1 029.2	767.4 915.4 974.7 880.5 979.1 857.1 783.6 833.7 829.0 795.4 754.9	96 (NA) (NA) (NA) (NA) 97 (NA) (NA) (NA) (NA) (NA) 96	100 (NA) (NA) (NA) 100 (NA) (NA) (NA) (NA) (NA) 100
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				I			INDUST	RY 2721,	PERIODICAL	S		1			
1992 Census 1991 ASM 1990 ASM 1980 ASM 1987 Census 1986 ASM 1987 Census 1986 ASM 1986 ASM 1987 Census 1986 ASM 1986 ASM 1986 ASM 1986 ASM 1987 Census 1988 ASM 1984 ASM 1983 ASM 1983 ASM 1984 ASM 1985 ASM	4 390 (NA) (NA) (NA) (NA) 3 759 (NA) (NA) (NA) (NA) (NA) (NA) (NA)	4 699 (NA) (NA) (NA) 4 020 (NA) (NA) (NA) (NA) (NA) 3 328 (NA) (NA)	991 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	116.2 110.6 115.2 115.9 111.4 110.0 98.1 95.8 93.5 93.4 93.5 93.4 94.0 79.9 77.8	4 074.5 3 661.0 3 658.5 3 422.8 3 152.1 2 982.7 2 710.9 2 554.5 2 231.7 2 073.7 1 986.1 1 564.0 1 427.7	20.1 20.7 21.6 20.7 19.1 18.3 14.2 16.2 16.2 16.2 17.3 17.4 14.1 13.3	39.0 35.4 35.4 32.6 33.8 32.4 24.9 28.4 28.8 31.9 31.9 24.4 22.7	522.5 467.7 463.4 405.9 405.2 288.9 272.4 250.8 272.4 250.8 263.3 243.2 183.8 163.2 163.2	15 833.0 13 794.4 13 847.7 13 248.4 12 439.6 11 452.1 10 196.0 9 678.1 8 943.9 7 868.9 6 910.9 6 910.9 6 910.9 5 599.8	6 200.9 6 459.0 6 579.6 6 581.0 5 872.7 5 558.1 5 579.8 5 117.6 4 603.6 4 668.1 3 789.7 3 374.0	22 033.9 20 345.1 20 396.7 19 787.2 18 611.8 17 329.2 15 719.4 15 246.4 14 052.6 12 436.7 11 478.0 9 843.0 8 964.6	234.4 223.0 274.8 272.2 246.1 274.1 339.7 267.4 251.7 194.8 170.9 132.6	1 066.7 1 012.2 1 117.5 1 106.9 1 056.7 899.2 783.9 817.6 803.5 774.2 723.9 585.6 552.3	95 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	95 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)
1979 ASM 1978 ASM 1977 Census	(NA) (NA) 2 863	(NA) (NA) 2 994	(NA) (NA) 525	76.3 74.8 69.9	1 253.3 1 169.8 1 019.8	14.1 12.1 10.6	20.6 22.3 20.5	143.9 132.9 115.7	4 986.7 4 430.7 3 762.7	3 055.9 2 760.9 2 289.2	8 311.3 7 160.0 6 056.5	119.5 89.8 78.9	488.6 429.2 349.6	(NA) (NA) 90	(NA) (NA) 96
						I	NDUSTRY	2731, BO	OK PUBLISH	ING					
1992 Census 1991 ASM 1990 ASM 1989 ASM 1987 Census 1987 Census 1987 Census 1987 Census 1986 ASM 1987 Census 1986 ASM 1985 ASM 1985 ASM 1985 ASM 1985 ASM 1985 ASM 1986 ASM 1982 Census 1981 ASM 1981 ASM 1979 ASM 1978 ASM 1977 Census	2 504 (NA) (NA) (NA) 2 182 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	2 644 (NA) (NA) (NA) 2 298 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	500 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	$\begin{array}{c} 79.6\\ 77.3\\ 73.5\\ 73.9\\ 70.2\\ 70.1\\ 71.6\\ 70.9\\ 69.4\\ 69.3\\ 67.1\\ 63.5\\ 64.5\\ 63.4\\ 63.5\\ 59.5\\ \end{array}$	2 675.7 2 514.1 2 299.9 2 132.3 2 009.8 1 859.8 1 775.6 1 672.1 1 600.3 1 474.9 1 327.3 1 123.3 1 123.3 1 035.4 946.6 910.5 830.2	18.6 17.1 17.3 17.1 16.5 15.9 14.4 15.6 14.9 17.1 15.2 14.3 14.4 13.3 13.5 13.3	35.5 30.0 31.2 30.2 25.6 28.6 27.2 33.0 30.8 27.4 27.1 24.6 24.5 24.9	443.3 381.6 364.5 349.1 327.1 306.1 259.4 279.8 268.3 277.9 237.1 194.3 177.1 159.8 175.8 140.1	$\begin{array}{c} 11 & 494.4 \\ 11 & 683.3 \\ 10 & 919.5 \\ 9 & 915.5 \\ 9 & 851.9 \\ 9 & 110.7 \\ 7 & 755.9 \\ 7 & 395.8 \\ 6 & 722.9 \\ 5 & 823.8 \\ 5 & 291.5 \\ 4 & 623.2 \\ 4 & 148.8 \\ 3 & 783.5 \\ 3 & 739.0 \\ 3 & 261.9 \\ \end{array}$	5 337.7 5 001.4 4 465.5 3 988.1 3 663.2 3 099.8 3 021.1 2 890.1 2 4820.0 2 165.7 1 999.9 1 858.8 1 735.1 1 544.2	16 731.1 16 596.1 15 317.9 14 074.2 13 570.7 12 619.5 10 196.2 9 459.2 8 427.4 7 740.0 6 760.4 6 114.4 5 574.2 5 398.2 4 793.9	326.7 330.5 329.1 319.1 302.4 239.7 202.8 232.1 199.4 163.6 174.1 153.0 126.3 117.4 97.4 79.8	2 944.1 2 817.8 2 769.0 2 642.6 2 318.3 2 090.9 1 982.2 1 895.1 1 713.8 1 521.1 1 379.9 1 324.8 1 223.8 1 174.4 1 062.8 992.0	92 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	95 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)
							INDUSTR	Y 2732, B	OOK PRINTIN	IG					
1992 Census 1991 ASM 1990 ASM 1989 ASM 1988 ASM 1986 ASM 1986 ASM 1985 ASM 1986 ASM 1985 ASM 1986 ASM 1985 ASM 1982 Census 1982 Census 1981 ASM 1982 CASM 1981 ASM 1981 ASM 1987 ASM 1979 ASM 1977 Census 1977 Census	575 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	623 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	293 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	50.9 48.5 48.7 47.3 45.5 43.5 43.5 43.4 42.2 43.6 44.7 50.1 48.2 46.2 49.1 46.9	1 360.7 1 185.8 1 162.7 1 077.5 1 108.6 961.4 930.4 886.7 848.7 812.1 762.5 800.0 695.4 617.2 614.8 548.2	38.8 37.9 37.5 37.7 36.2 34.4 34.0 33.9 32.7 33.3 34.5 39.6 37.7 37.1 39.5 37.6	76.2 72.6 74.7 73.0 68.7 68.2 66.5 64.8 64.8 64.8 64.7 75.9 71.9 72.0 77.0 72.6	923.9 819.1 797.2 753.9 778.3 675.6 648.6 648.6 618.1 594.1 557.4 542.6 576.5 549.3 453.5 444.3 404.1	2 833.6 2 388.0 2 400.9 2 212.7 2 026.6 1 996.5 1 883.3 1 765.3 1 671.2 1 535.5 1 429.9 1 526.4 1 346.2 1 214.9 1 163.2 1 029.2	1 868.4 1 752.8 1 740.8 1 624.8 1 555.8 1 234.5 1 174.9 1 169.6 1 029.7 948.1 1 030.8 903.6 808.3 757.1 662.6	4 687.9 4 140.0 3 838.8 3 565.9 3 256.3 3 102.4 2 828.2 2 572.3 2 392.4 2 556.1 2 244.8 2 024.0 1 923.8 1 691.8	198.2 163.5 211.7 179.8 170.0 154.4 181.3 202.1 113.3 100.3 98.6 103.7 94.4 80.9 102.8 54.3	419.1 375.6 378.5 342.0 335.1 297.0 300.3 273.4 277.6 250.3 243.6 245.5 233.7 220.3 209.7 194.0	89 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	85 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)
			I	I		INDUS	TRY 2741	, MISCELL	ANEOUS PUI	BLISHING					
1992 Census 1991 ASM 1990 ASM 1898 ASM 1988 ASM 1986 ASM 1986 ASM 1986 ASM 1986 ASM 1985 ASM 1986 ASM 1985 ASM 1984 ASM 1985 ASM 1984 ASM 1982 Census 1981 ASM 1981 ASM 1983 ASM 1983 ASM 1983 ASM	3 159 (NA) (NA) (NA) 2 129 (NA) (NA) (NA) (NA) 1 952 (NA) (NA) (NA)	3 390 (NA) (NA) (NA) 2 369 (NA) (NA) (NA) (NA) 2 057 (NA) (NA) (NA) (NA)	570 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	65.4 65.0 65.2 62.4 68.2 69.5 53.1 52.0 42.0 44.8 45.3 41.7 47.4 46.4	1 732.9 1 779.7 1 770.8 1 594.2 1 553.4 1 513.1 1 129.1 1 047.4 775.9 712.2 705.9 666.2 643.6 568.7	23.7 22.6 22.3 22.1 24.5 23.8 18.4 17.1 16.6 18.4 17.9 20.3 22.2 21.4	43.3 43.4 40.2 43.0 43.3 31.3 29.5 28.2 29.9 29.9 29.2 36.8 39.2 38.1	467.8 416.7 377.9 371.5 376.0 359.6 275.3 239.2 210.9 211.6 206.2 232.1 211.2 211.2 194.7	8 524.9 7 353.6 6 656.2 6 060.0 6 248.1 6 023.0 3 631.5 3 264.6 2 321.9 2 105.4 1 958.2 1 891.7 1 792.9 1 535.0	2 476.7 2 469.8 2 266.7 2 056.3 1 953.8 1 791.0 1 246.9 1 199.5 949.4 943.4 909.6 788.6 732.6 624.3	10 977.1 9 762.0 8 874.7 8 021.2 8 154.4 7 809.5 4 887.4 4 437.0 3 222.9 3 011.7 2 871.3 2 674.5 2 505.4 2 142.0	190.4 165.5 178.6 144.0 162.0 133.0 102.6 109.7 69.1 82.5 67.1 60.0 58.7 55.1	902.4 721.1 676.0 623.9 597.1 467.9 347.5 307.5 298.3 244.4 230.9 219.3 180.6	97 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	91 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)
	otes at end	. ,	(11/3)	1 ד.07	500.7 1	21.4		134.1		024.31	2 142.0	55.11	100.0		(11/1)

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

See footnotes at end of table.

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-7

TIPS UPF [APS_PSB,C_BROOKS] 6/15/95 15:49:58 EPCV23 TLP:27A.BTI;59 6/12/95 18:17:44 DATA:NONE UPF:92MFFL_PUBS:27ADAT.UPF PAGE: 1 TSF:27A_92.DAT;1 6/12/95 18:18:09 UTF:27A_93.DAT;3 6/15/95 15:41:01 META:TIPS96-15483659.DAT;1 6/15/95 15:49:30

Table 1a. Historical Statistics for the Industry: 1992 and Earlier Years-Con.

-			-												
		All establ	ishments ³	All em	ployees	Pro	duction wo	rkers						Rat	tios
Year ¹	Com- panies ² (no.)	Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufac- ture ⁴ (million dollars)	Cost of materials ⁵ (million dollars)	Value of shipments (million dollars)	New capital expend- itures ⁶ (million dollars)	End-of- year inven- tories ⁴ (million dollars)	Spe- ciali- zation ⁷ (per- cent)	Cover- age ⁸ (per- cent)
					I	NDUSTR	Y 2741, M	ISCELLAN	EOUS PUBL	ISHING—Cor	۱.				
1978 ASM 1977 Census	(NA) 2 277	(NA) 2 352	(NA) 335	42.4 42.1	525.4 503.0	16.4 15.4	27.7 27.1	162.8 150.3	1 310.9 1 290.7	565.2 569.9	1 894.6 1 850.9	65.8 39.1	139.9 139.1	(NA) 95	(NA) 89
1									als of satable						

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1977, see 1977 Census of Manufactures, vol. II, table 1 of the industry chapter.

chapter. ²For the Census, a company is defined as a business organization consisting of one establishment or more under common ownership or control. ³Includes establishments with payroll at any time during the year. ⁴Beginning in 1982, all respondents were requested to report their inventories at cost or market prior to adjustment to LIFO cost. This is a change from prior years when respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1982 data for inventories and value added by manufacture are not comparable to prior-year data. ⁵Cost of materials is the sum of five components: the cost of (1) parts used in the manufacture of finished goods (materials, parts, containers, and supplies incorporated into prior-year data. ⁵Cost of materials is the sum of five components: the cost of (1) parts used in the manufacture of finished goods (materials, parts, containers, and supplies incorporated into products or otherwise directly consumed in the process); (2) purchased items later resold without further manufacture; (3) fuels; (4) electricity; and (5) commissions or fees to outside parties for contract manufacturing. A separate cost for each of the five components is shown in table 3a. Detailed data on materials consumed by type, are shown in table 7. ⁶Detailed data on new machinery and equipment expenditures are provided in table 3c. ⁷Represents ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for establishments, classified in the industry. ⁸Represents ratio of primary products shipped by establishments classified in industry to total shipments of such products by all manufacturing establishments, wherever classified.

Table 1b. Selected Operating Ratios for the Industry: 1992 and Earlier Years

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

	J		,,						
Year	Payroll per employee (dollars)	Production workers as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
				INDUST	RY 2711, NEW	SPAPERS			
1992 Census 1991 ASM 1990 ASM 1989 ASM 1988 ASM	25 195 24 063 23 471 22 841 21 621	32 34 34 34 34	1 743 1 734 1 697 1 722 1 793	12.89 12.27 12.37 11.82 11.42	20 23 23 24 24	51 53 53 53 53 53	65 341 60 907 59 900 60 176 57 567	39 40 39 38 38	115.55 103.71 104.90 102.17 94.83
1987 Census 1986 ASM 1985 ASM 1984 ASM 1983 ASM	20 768 19 954 19 233 18 481 17 469	34 36 37 37 37	1 768 1 777 1 757 1 784 1 757	11.38 10.79 10.64 10.24 9.86	24 24 24 25 26	52 53 54 55 55 56	55 965 52 782 49 699 47 345 42 807	37 38 39 39 41	92.65 82.11 76.82 71.24 65.62
1982 Census 1981 ASM 1980 ASM 1979 ASM 1978 ASM 1977 Census	16 326 15 009 13 917 13 159 13 123 12 306	37 39 39 40 42 42	1 762 1 743 1 713 1 732 1 724 1 715	9.20 8.41 8.11 7.63 7.49 7.15	28 29 29 28 28 28 27	59 60 61 60 61 60	38 046 34 028 30 941 29 353 28 789 27 205	43 44 45 45 46 46	58.91 49.70 45.88 42.60 40.24 37.70
				INDUST	RY 2721, PERI	ODICALS			
1992 Census 1991 ASM 1990 ASM 1989 ASM 1988 ASM	35 065 33 101 31 758 29 532 28 295	17 19 19 18 17	1 940 1 710 1 639 1 575 1 770	13.40 13.21 13.09 12.45 11.99	28 32 32 33 33	47 50 50 51 50	136 256 124 723 120 206 114 309 111 666	26 27 26 26 25	405.97 389.67 391.18 406.39 368.04
1987 Census 1986 ASM 1985 ASM 1984 ASM 1983 ASM	27 115 27 634 26 665 23 868 22 202	17 14 17 17 17	1 770 1 754 1 753 1 778 1 844	11.06 11.60 9.59 8.71 8.03	34 35 37 36 37	51 53 53 53 52 54	104 110 103 935 101 024 95 657 84 249	26 27 26 25 26	353.46 409.48 340.78 310.55 246.67
1982 Census 1981 ASM 1980 ASM 1979 ASM 1978 ASM 1977 Census	21 129 19 574 18 351 16 426 15 639 14 589	19 18 17 18 16 15	1 833 1 730 1 707 1 461 1 843 1 934	7.62 7.53 7.19 6.99 5.96 5.64	40 39 38 37 39 38	57 54 54 52 55 55	73 520 76 036 71 977 65 356 59 234 53 830	29 26 25 25 26 27	216.64 248.99 246.69 242.07 198.69 183.55
		I	I	INDUSTRY	(2731, BOOK F	UBLISHING			
1992 Census 1991 ASM 1990 ASM 1989 ASM 1988 ASM	33 614 32 524 31 291 28 854 28 630	23 22 24 23 24	1 909 1 754 1 803 1 766 1 842	12.49 12.72 11.68 11.56 10.76	32 30 29 31 29	48 45 44 46 44	144 402 151 142 148 565 134 175 140 340	23 22 21 22 20	323.79 389.44 349.98 328.33 324.08
1987 Census 1986 ASM 1985 ASM 1984 ASM 1983 ASM	26 531 24 799 23 584 23 059 21 283	23 20 22 21 25	1 805 1 778 1 833 1 826 1 930	10.67 10.13 9.78 9.86 8.42	29 29 30 31 32	44 45 46 47 49	129 967 108 323 104 313 96 872 84 038	20 23 23 24 25	317.45 302.96 258.59 247.17 176.48
1982 Census 1981 ASM 1980 ASM 1979 ASM 1978 ASM 1977 Census	19 781 17 690 16 053 14 931 14 339 13 953	23 23 22 21 21 21 22	2 026 1 916 1 882 1 850 1 815 1 872	7.70 7.09 6.54 6.50 6.36 5.63	31 32 33 33 32 32 32	48 49 50 50 49 50	78 860 72 806 64 322 59 677 58 882 54 822	25 24 25 25 24 25	171.80 168.73 153.09 153.80 152.61 131.00
274-8 NEWS			OKS & MI	SC PUB		MAN	IFACTURE		RY SERIES

27A-8 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES—INDUSTRY SERIES

Table 1b. Selected Operating Ratios for the Industry: 1992 and Earlier Years-Con.

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

[=)						
Year	Payroll per employee (dollars)	Production workers as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
				INDUSTR	RY 2732, BOOK	PRINTING			
1992 Census	26 733	76	1 964	12.12	40	69	55 670	48	37.19
1991 ASM	24 449	78	1 916	11.28	42	71	49 237	50	32.89
1990 ASM	23 875	77	1 992	10.67	42	70	49 300	48	32.14
1989 ASM	22 780	80	1 936	10.33	42	70	46 780	49	30.31
1988 ASM	24 365	80	1 898	11.33	44	75	44 541	55	29.50
1987 Census	22 101	79	1 968	9.98	39	69	45 897	48	29.49
1986 ASM	21 389	78	2 006	9.51	40	70	43 294	49	27.61
1985 ASM	20 431	78	1 962	9.29	40	71	40 675	50	26.55
1984 ASM	20 111	77	1 982	9.17	41	71	39 602	51	25.79
1983 ASM	18 626	76	1 946	8.60	40	72	35 218	53	23.70
1982 Census 1981 ASM 1980 ASM 1979 ASM 1978 ASM 1977 Census	17 058 15 968 14 427 13 359 12 521 11 689	77 79 78 80 80 80	1 875 1 917 1 907 1 941 1 949 1 931	8.39 7.60 6.94 6.30 5.77 5.57	40 40 40 39 39	72 72 71 70 71 72	31 989 30 467 27 929 26 297 23 690 21 945	53 52 52 51 53 53	22.10 20.11 18.72 16.87 15.11 14.18
			I	NDUSTRY 2741	, MISCELLANE	OUS PUBLISHIN	G	•	
1992 Census	26 495	36	1 827	10.80	23	38	130 350	20	196.88
1991 ASM	27 380	35	1 920	9.60	25	44	113 132	24	169.44
1990 ASM	26 193	34	1 803	9.40	26	45	102 089	26	165.58
1989 ASM	25 548	35	1 819	9.24	26	46	97 115	26	150.75
1988 ASM	22 777	36	1 755	8.74	24	43	91 614	25	145.30
1987 Census	21 771	34	1 819	8.30	23	42	86 662	25	139.10
1986 ASM	21 264	35	1 701	8.80	26	49	68 390	31	116.02
1985 ASM	20 142	33	1 725	8.11	27	51	62 781	32	110.66
1984 ASM	18 474	40	1 699	7.48	29	54	55 283	33	82.34
1983 ASM	15 897	41	1 625	7.08	31	55	46 996	34	70.41
1982 Census	15 583	40	1 631	7.06	32	56	43 227	36	67.06
1981 ASM	15 976	49	1 813	6.31	29	54	45 365	35	51.40
1980 ASM	13 578	47	1 766	5.39	29	55	37 825	36	45.74
1979 ASM	12 256	46	1 780	5.11	29	56	33 082	37	40.29
1978 ASM	12 392	39	1 689	5.88	30	58	30 917	40	47.32
1977 Census	11 948	37	1 760	5.55	31	58	30 658	39	47.63

Note: For qualifications of data, see footnotes on table 1a.

Table 2. Industry Statistics for Selected States: 1992 and 1987

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

							199	2						1987		
		All estab	lishments	All em	ployees	Production workers										
Industry and geographic area	E1	Total (no.)	With 20 employ- ees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufac- ture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manufac- ture (million dollars)		
INDUSTRY 2711, NEWSPAPERS																
United States	E1	8 679	2 629	417.0	10 506.4	135.3	235.8	3 038.8	27 247.0	6 874.0	34 124.3	1 667.4	434.4	24 311.3		
Alabama Alaska Arizona Arkansas California	E5 E1 E1 E1	132 37 110 117 692	33 10 34 43 249	4.1 1.2 6.3 3.5 52.3	92.6 22.7 163.2 58.3 1 395.5	1.6 .3 2.1 1.4 14.5	3.2 .5 3.9 2.5 25.6	28.6 5.7 47.2 20.2 331.0	248.0 42.2 479.6 146.3 3 555.9	54.4 12.4 112.7 42.4 887.0	302.5 55.4 592.3 188.7 4 443.4	6.6 2.2 (D) 7.0 148.7	4.2 1.2 6.7 3.7 52.1	222.6 45.8 403.8 118.0 3 066.9		
Colorado Connecticut Delaware District of Columbia Florida	_	150 91 18 33 329	42 35 6 11 89	6.8 7.2 .9 H 22.8	159.1 186.0 22.6 (D) 605.0	2.2 1.7 .3 (D) 7.6	3.6 2.7 .5 (D) 13.0	47.7 38.7 5.7 (D) 162.6	365.3 437.3 75.8 (D) 1 757.0	116.7 88.4 19.0 (D) 431.8	482.0 525.7 94.8 (D) 2 189.3	70.4 13.4 (D) 10.0 49.3	7.2 8.2 F (NA) 25.2	322.3 455.8 (D) (D) 1 524.7		
Georgia Hawaii Idaho Illinois Indiana	– E1 E2	233 23 60 430 208	56 8 16 125 84	10.2 1.5 1.7 19.7 10.3	234.2 49.6 29.7 492.7 217.1	3.1 .7 .6 6.4 3.6	5.8 1.2 1.0 11.0 6.2	59.6 20.7 10.1 145.8 73.2	550.8 232.0 80.2 1 443.8 502.1	144.6 30.3 17.1 344.9 118.9	695.6 261.4 97.3 1 788.3 621.1	49.3 5.0 2.2 66.7 30.7	8.9 G 1.7 19.4 9.7	505.9 (D) 63.5 1 187.3 419.4		
lowa Kansas Kentucky Louisiana Maine	E1 E1 -	241 184 156 107 68	59 46 44 38 18	6.1 4.1 4.4 4.3 2.4	105.3 76.2 99.8 100.2 56.2	2.2 1.5 1.4 1.5 .9	3.5 2.4 2.6 2.7 1.4	35.2 24.4 27.3 31.7 17.3	299.7 182.7 258.0 261.0 115.2	76.2 37.7 62.7 81.4 25.7	375.9 220.7 320.9 342.5 140.9	10.6 4.8 9.9 12.8 3.4	5.9 (NA) 4.5 4.7 2.6	255.6 (D) 223.4 258.1 113.6		
Maryland Massachusetts Michigan Minnesota Mississippi	_	86 188 230 287 105	30 69 88 63 28	4.9 14.8 14.1 8.5 2.6	148.3 441.0 361.5 209.1 47.5	1.7 4.4 4.3 2.8 .9	2.6 7.7 7.7 4.6 1.8	41.4 114.1 109.9 63.8 16.0	405.1 978.8 790.0 483.9 128.2	81.4 211.4 235.0 112.8 37.5	486.6 1 191.2 1 025.4 596.6 165.7	13.1 32.6 52.8 15.1 5.0	6.1 16.1 13.1 8.2 (NA)	372.4 1 030.6 668.5 432.5 (D)		

See footnotes at end of table.

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-9

Table 2. Industry Statistics for Selected States: 1992 and 1987–Con.

1992 1987 All establishments All employees Production workers New Industry and geographic area With 20 Value added Value added capital by manufacemploy-ees or by manufac Cost of Value of expend-itures All employ-ees² (1,000) materials (million dollars) shipments (million dollars) Payroll (million Wages (million ture (million) ture (million Number² Hours Total Number (million more E¹ (no.) (no.) (1,000)dollars) (1,000) (millions) dollars) dollars) dollars) dollars) INDUSTRY 2711, NEWSPAPERS-Con. 8.2 1.5 3.2 1.6 292 76 139 37 190.3 26.2 56.6 37.0 4.5 .9 1.8 1.5 1.0 520.8 78.8 155.0 665.3 94.9 194.2 20.6 2.3 5.1 2.3 8.2 1.5 3.2 Missouri E1 68 2.7 55.8 144.4 441.9 16.2 39.3 35.7 66.5 122.9 94.7 Montana _____ Nebraska_____ .6 1.0 14 29 10 17 Ē1 15.6 Nevada _____ New Hampshire _____ .8 .7 18.6 163.6 199.3 1.6 E1 55 2.1 44.4 12.5 97.7 20.5 118.4 2.6 2.2 107.3 186 57 504 54 22 167 879.2 105.3 2 659.0 New Jersey E1 E1 E1 11.9 329.4 3.2 5.1 87.6 872.7 261.9 1 134.6 67.7 14. .7 10.0 3.5 .6 New Mexico _____ New York _____ North Carolina _____ North Dakota _____ 39.9 111.5 214.2 26.0 702.4 132.5 14.5 5.3 187.3 17.2 1.6 140.3 3 341.4 1.3 18.7 114.3 1.8 31.6 2 639.4 343.0 38.8 215 9.9 1.5 6.0 1.1 67.6 10.1 671.9 85.2 (NA) G (D) (D) 83 14 539.9 E3 70.7 26.1 6.1 1.6 1.6 7.5 .8 1 091.3 123.6 Ohio E1 286 113 16.6 422.6 11.1 140.2 272.4 1 364.0 17.4 970.3 -----45 40 126 2.8 2.7 12.1 62.9 82.6 342.5 Oklahoma _____ 175 100.1 32.1 337 1 49 229.8 Oragon _____ Pennsylvania _____ 4.7 4.8 21.9 2.3 121 306 113.8 572.9 36.9 179.7 288.3 334.4 370.8 1 677.1 24.0 273.4 4.6 22.7 219.7 1 163.7 E1 E1 1 Rhode Island 22 11 72.9 1.2 21.3 124.9 37.6 162.4 (D) 2.6 128.4 2.4 .9 3.7 14.4 60.1 16.0 84.5 480.3 11.3 2.4 11.1 201.8 51.0 393.3 1 335.8 South Carolina _____ South Dakota _____ E1 E1 105 91 30 16 53 131 13 4.5 1.6 92.5 24.0 1.4 .6 2.1 7.5 .8 23.1 249.4 309.7 81.5 4.3 1.5 65.4 404.4 kota _____ 7.3 7.8 25.5 1.3 Tennessee _____ Texas _____ 167 136.0 489.0 E1 634 20.8 482.8 148.8 1 458.0 1 938.4 32.7 3.2 Utah _____ 58 2.8 48.9 1.6 13.8 131.7 32.0 163.6 19.9 E1 (D) 19.2 Vermont_____ 21.2 55.3 12.6 67.9 52.8 53 174 15 .5 3.3 3.7 1.3 3.3 (D) .7 5.4 6.2 2.4 5.6 (D) 7.0 55.3 95.2 23.7 668.5 493.7 106.7 Virginia Washington West Virginia 11.3 10.4 2.9 10.9 236.9 130.3 29.8 127.8 1 065.6 720.1 151.6 624.8 10.9 9.5 2.6 11.2 63 57 21 79 283.5 828.5 186 80 235 589.7 121.8 497.1 36.8 255.8 47.3 E2 E2 199.7 Wisconsin 60.5 16.8 420.7 E2 Wyoming _____ 42 (D) (D) (D) (D) (D) (D) .8 27.0 INDUSTRY 2721, PERIODICALS United States _____ E2 4 699 991 116.2 4 074.5 20.1 39.0 522.5 15 833.0 6 200.9 22 033.9 234.4 110.0 11 452.1 Alabama _____ 12 1.0 30.2 162.3 49.7 212.0 .9 E 9.0 128.2 42 .2 .3 .3 2.5 15.7 (D) 374.1 2.3 (D) 49.3 20.5 (D) 512.0 (D) (D) 17.3 (D) (D) Arizona _____ Arkansas _____ F2 72 9 39.2 59 .3 (D) 4.6 (D) 2.3 (D) 1 923.9 (D) 1 411.0 3 144 15 11.1 888.8 California _____ E2 646 Colorado E1 99 1.1 34.1 .2 5.0 103.3 37.1 140.9 2.0 .6 61.1 108 84 281 127.2 246.3 117.3 2.6 4.6 93.0 194.6 14.2 336.7 722.1 Connecticut_____ District of Columbia _____ E1 27 26 .5 .4 .6 .9 1.1 463.5 46 2.1 5.0 213.5 563.6 182.9 15.6 .8 1.3 11.8 956.0 Florida _____ Georgia _____ Hawaii _____ E1 31 3.4 87.1 12.7 250.8 368.7 4.2 3.0 1.6 108 2.4 E3 23 716 19.7 227 7 91.4 319.5 41 16 115.3 6.2 (Z) 20.3 (D) (NA) (D) .c 7.9 28.1 ldaho Illinois Indiana Iowa Kansas (D) 877.1 .2 4.2 29.8 .1 2.2 .3 21.1 .3 16.3 1.1 .3 11.9 2.7 56.0 8.2 414.8 E 12.0 E2 66 13 9 249 340.5 1 451.1 1 036.6 65 40 35 1.1 G .5 29.2 (D) 14.8 .6 (D) 6.0 (D) .6 90.5 90.5 (D) 82.0 40.7 (D) (D) (D) (D) E4 131.3 (D) 1.8 (D) (Z) (D) (NA) F 29.5 6 (D) .6 .0 10.2 12.1 45 36 23 (D) 4.3 (D) (Z) (Z) (D) 10.3 (D) 5.0 7.9 (D) 15.3 24.3 E .3 .2 1.9 (D) 14.5 14.4 E2 8 3 E .2 (D) Kentucky _____ .7 .1 Louisiana .1 .7 1.0 Maine _____ Maryland _____ Massachusetts _____ 16.9 E3 E1 6.9 .3 4.4 103 1.6 15 45 50.7 .3 .5 158.4 58.9 222.1 136.1 Ē4 183 3.6 131.1 178.6 634 6.3 3.6 350.4 461.1 1.4 2.7 2.4 Michigan _____ E1 106 19 1.9 49.3 .7 5. 1.2 .2 8.2 134.1 47.2 181.6 2.4 (D) 2.8 (D) (D) 88.4 .4 .3 .6 .1 Minnesota Missouri Nebraska 1.6 233.5 61.1 109 77 41.0 5.3 12.3 294.2 195.1 19 15 2 1 E2 57 2 1317 46.3 176.6 123.0 26 18 11.0 2.4 34 7 14.7 3.4 49.4 13.5 (NA) (NA) (D) (NA) .4 .1 E2 10.1 Nevada 3.1 20.4 154.2 27.8 182.5 88.1 285.5 New Hampshire 33 195 10 44 .6 4.0 1.2 20.0 104.1 131.9 .1 .9 (Z) 4.0 .3 .1 1.7 (Z) 7.8 .6 .6 9.2 E1 New Jersey_____ New Mexico _____ 496. 683.4 3.4 28 622 77 (NA) 33.3 F (NA) 5 012.2 (D) 3.1 537.0 40 11.9 199 18 34.0 1.1 2 706.6 44.7 9 618.1 133.1 97.8 1.9 New York ______ North Carolina _____ E1 E3 169.6 6 912.0 28.5 6.6 88.7 120 33 46 Ohio _____ 38 3.5 99.3 .7 (Z) .2 1.4 14.9 362.1 113.0 476.2 6.2 (D) 3.5 278.1 Oklahoma Oregon Pennsylvania E8 29 9.8 .1 .3 .9 .1 76.9 48.1 16.8 21.6 93.8 .8 59.9 3.5 11.3 .5 11.7 69.0 21.8 6.8 (NA) .5 (Z) 427.5 4.4 795.9 (NA) 159 34 2 4.7 .2 151 762. 1 192.4 6.3 (D) Pennsylvania _____ Rhode Island _____ E1 21.3 16.9 13 5.5 .8 .2 2.4 .5 8.9 (D) (D) (D) (NA) South Carolina E6 35 3.2 (Z) .5 .1 .8 1.7 .2 9.7 5.0 14.6 (NA) Tennessee _____ Texas _____ 166.8 29.3) (D) 170.3 68 11 66.8 196.4 .8 .1 .1 F2 204 26 3.1 80.2 147 2217 85.7 301.2 2.5 2.0 1.3 36.8 44.3 (NA) .2 (D) 14.8 23 20 36 .3 .3 26.7 10.5 E4 E1 ------.1 30.0 Vermont_____ 8.0 14.2 .7 .4 1.0 24 14 17 46.2 20.9 75.3 67.5 38.0 90.5 133 102 1.8 1.1 Virginia 1.8 53.8 .4 .2 .5 7.1 148.1 194.7 1.0 Washington E3 Wisconsin E1 6.2 8.7 .6 1.3 .9 2.0 26.2 47.2 52.3 221.3 76.4 97 296.3 6.3

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

See footnotes at end of table.

27A-10 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES—INDUSTRY SERIES

Industry Statistics for Selected States: 1992 and 1987-Con. Table 2.

1992 1987 All establishments All employees Production workers New Industry and geographic area With 20 Value added Value added capital by manufacemploy-ees or by manufac Cost of Value of expend-itures All employ-ees² (1,000) shipments (million dollars) Payroll (million Wages (million ture (million) materials (millior ture (million Number² Total Number Hours (million more E¹ dollars (no.) (no.) (1,000)dollars) (1,000) (millions) dollars) dollars) dollars) dollars) **INDUSTRY 2731, BOOK** PUBLISHING United States _____ E1 2 675.7 35.5 443.3 5 337.7 16 731.1 70.1 9 110.7 2 644 500 79.6 18.6 11 494.4 326.7 Alabama (D (D (D (D) (D) (D) (D) (D) (D) (D) (D) (D) (NA) (NA) (D) (D) (D) (D) (D) (D) (D (D (D (D) (D) (D) 1.6 .6 Arizona _____ Arkansas _____ California _____ Colorado E5 (D) (D) 10 405 215.0 35.3 2.9 1.0 35.7 14.9 879 329.1 17.3 1 194.9 137.0 19.0 3.5 6.2 1.0 E3 70 6 6.8 1.3 537 5 E1 121.5 83.0 Colorado _____ .2 .4 .1 .9 (D) .4 .7 .2 1.7 (D) 63 90 34.8 42.3 6.6 170.6 74.3 241.5 (D) 1.6 2.3 99.2 Connecticut_____ 14 11 1.3 Florida _____ Georgia _____ 82 177 8 42 5 226 2 9 74.9 30 157 24.6 698.7 .6 6.1 E5 2.5 70 51 7 Illinois_____ 40 .3 5.5 F 19.9 319.3 9.2 (D) 893.9 Ē1 200.6 1 028.2 Indiana_____ 36 6 (D) (D) (D) (D) (D) F (D) (D) (NA) (D) (NA) F (D) 1.9 lowa ___ -----18 3 2 7 (D) (Z) (D) (Z) .5 .1 (D) (D) (D) (D) 9.0 (D) (D) Е Kansas. (NA) (NA) E6 25 20 15 14 .1 .9 4.8 .5 .7 E4 E3 47.9 18.7 66.9 10.7 Kentucky _____ .6 (Z) (Z) (D) (D) ÌNA Louisiana 2 2 .1 .1 6.6 2.4 8.4 Maine_____ E3 3.2 12.4 3.7 15.9 (NA) (D) Maryland _____ Massachusetts _____ .4 1.2 45.8 F4 64 10 8 23.5 .2 .6 3.8 66.5 33.8 99.3 27 .8 Ē1 103 27 16 4.8 1.5 172.6 40.0 15.3 734.6 231.7 416.1 77.0 133.4 295.3 11.5 4 647.6 72.6 1 Michigan _____ 58 48 .4 2.9 8.8 3.7 1.0 .7 Minnesota _____ Missouri _____ E1 11 6.2 184.4 65.7 518.7 318.0 833.9 (D) (NA) (D) Ē1 53 11 G (D) (D) (D) (D) (D) (D) (D) 6.5 1.3 105.3 (D) 21. 50 (D) 4.2 325.0 (D) (D) 18.7 3 3 36 (D) 17.0 1 017.8 Nebraska_____ New Hampshire _____ E1 E1 11 ç (D) (D) (Z) (D) (D) (NA) (NA) (D) 545.0 (NA) .2 6.3 22.7 1.6 (D) 6.0 206.8 1 350.9 New Jersey 116 E4 (D) 3.1 (NA) 21.0 C 20.4 (D) 75.8 (D) 4 244.0 (D) 2 089.7 (D) 96.1 (NA) 195.2 New Mexico 24 3 (D (D) New York 838.4 383 95 6 272.3 4 13.4 134.7 .2 1.8 (Z) 35.6 94.7 106.3 495.6 (D) (D) (NA) 18.3 North Carolina E2 46 8 .3 3.8 2.1 72.0 1.0 Е Ohio _____Oklahoma _____Oregon _____ Pennsylvania _____ 397.8 14.7 32.8 10 3.8 64.4 (NA) (NA) 64 22 53 78 (D) (D) E2 E1 .1 2. 1.1 8.1 23.1 56.8 10.3 2.4 17.5 .4 3.3 23.2 7.4 20 115.0 .6 610.7 232.9 835.8 1.8 134.6 (D) 3.6 8.1 (NA) 2.5 South Carolina F7 21 (Z) 1 8 5.9 1.0 77 (NA)19 130.7 381.0 90.7 124.6 191.9 171.7 67 15 20 1.5 3.2 .6 .9 6.4 7.2 222.6 Tennessee _____ 39. 1.5 517.4 Texas E2 E5 116 85.5 Utah _ -----28 2.5 (Z) (D) (Z) (D) 47 120 31.1 1 4 .1 E Vermont_____ (D) F6 25 (D) (D) (D) (D) (D) (NA) (NA) (D) (D) 33.5 (D) (D) 1.4 (D) (D) 23.0 (D) (D) 193.3 (D) (D) 211.9 158.0 14.1 110.6 52 61 3 7 G (D) (D) (D) (D) 28.5 (D) (D) 2.5 1.0 Virginia_____ Washington_____ E4 .3 1.3 39 1.1 Wisconsin _____ 6 **INDUSTRY 2732, BOOK** PRINTING United States _____ 623 293 50.9 1 360.7 38.8 76.2 923.9 2 833.6 1 868.4 4 687.9 198.2 43.5 1 996.5 3.5 1.0 .6 California _____ E1 79 31 2.8 87. 1.7 44.0 197.9 92.8 284.3 2.0 99.9 9.7 9.6 7.4 31.6 22.0 21.8 14.0 53.0 35.8 12.8 Colorado _____ Florida _____ 13 26 .5 E1 E4 Georgia _____ .3 1.3 14 49 .3 2.0 9.6 .5 2.8 7.0 19.6 15.7 35.3 1.5 4.6 .4 1.8 15.2 86.5 20 61.4 33.6 110.7 76.5 186.9 (D) (D) (D) (D) 69.1 (D) (D) (D) 27.2 7 (D) (D) (D) (D) (D) (D) (D) (D) (D) 2.0 2.7 (D) (D) (D) (D) (D) (D) (D) 3.4 (NA) Indiana_____ 12 (D) H G G Iowa _____ Kansas_____ 10 63 (D (D (D (D ĞG 3 Kentucky _____ Maryland _____ 4Ò.2 49.Ć 128.7 1.4 1.0 1.2 F1 25 15 53 1 32.1 78.9 92.4 171 1 47 1.6 147.0 92.7 (D) 82.5 3.1 2.9 2.4 2.1 4.9 4.1 3.3 2.2 Massachusetts _____ E1 29 23 18 92.7 67.0 168.5 114.6 285.8 10.8 90.9 5.7 (D) (D) Michigan _____ Minnesota _____ 26 45.0 242. 5.2 (D) E2 3.2 (D) (D) 8 12 4 6 15.9 .3 G C .4 (D) (D) 21. .2 (D) (D) E 1.7 Missouri _____ Nebraska _____ (D) (D) (D) (D) (D) (D) à.' E1 (D) (NA) (NA) 28.7 95.1 33.0 66.7 24 53 14 19 .5 2.5 1.1 63.7 172.4 61.2 82.5 277.3 98.1 New Jersey E1 .7 1.0 14.9 19.0 3.0 .7 2.7 G G 34.1 10 17 5 7 4 4.6 2.2 4.0 107.8 37.1 97.0 114.5 (D) 3.2 1.4 68.6 22.5 10.0 New York _____ North Carolina _____ ____ 1.6 (D) 4.5 Ohio _____ Oregon _____ 2.4 2.0 50.6 159.7 256.5 6 .3 9.3 .2 5.1 29.0 14.4 43.3 (NA) (NA) Pennsylvania ______ South Carolina ______ 2276 33 21 128 4 4.2 8.3 289.8 156.4 5.0 5.2 96.1 444.3 23.5 .1 3.2 1.5 0.3 .3 6.4 3.0 1.2 3.4 74.4 2.8 16.1 323.8 (NA) 3.5 (NA) 157.7 5 13.8 3.9 ... 3.9 Tennessee _____ Texas_____Utah_____ 10.9 27 11 7 2.2 56.0 35.3 93.2 72.9 167.0 1.8 81.0 10 .8 15.8 6 10.3 38.1 397 79.3 48 4 16.0 (D) 82.6 (NA) (NA) 142.7 3 11 4 (D) 12.6 Vermont_____ E7 F (D) (D) (D) (D) F (D) (D) (D) (D) Ē1 13 GEE Virginia_____ Washington_____ 8 2 (NA) (D) 3.7 West Virginia _____ Wisconsin _____ (D) 1 8 (NA) 18 24 76.5 142.4 154.5 298.3

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

See footnotes at end of table.

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A–11

Table 2. Industry Statistics for Selected States: 1992 and 1987-Con.

	1992													1987
		All establishments All employe			ployees	Pro	duction wo	rkers						
Industry and geographic area	E1	Total (no.)	With 20 employ- ees or more (no.)	Number ² (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufac- ture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expend- itures (million dollars)	All employ- ees ² (1,000)	Value added by manufac- ture (million dollars)
INDUSTRY 2741, MISCELLANEOUS PUBLISHING														
United States	E1	3 390	570	65.4	1 732.9	23.7	43.3	467.8	8 524.9	2 476.7	10 977.1	190.4	69.5	6 023.0
Alabama Arizona Arkansas California Colorado		25 41 18 473 79	3 6 2 69 18	.4 F C 8.5 3.4	7.6 (D) (D) 240.4 95.9	.2 (D) (D) 3.2 1.7	.5 (D) (D) 5.9 3.3	3.9 (D) (D) 63.4 39.3	22.5 (D) (D) 1 640.3 440.9	8.2 (D) (D) 355.7 92.8	30.3 (D) (D) 1 965.2 533.4	.9 (D) (D) 37.6 20.6	E E .8 8.4 3.6	(D) (D) 29.7 1 170.3 313.0
Connecticut District of Columbia Florida Georgia Hawaii	E4 E5	60 26 199 65 12	10 5 25 9 3	1.1 .3 2.9 E .2	30.3 11.5 59.0 (D) 8.8	.5 .1 1.0 (D) .1	.8 .1 1.8 (D) .2	8.7 1.2 16.2 (D) 2.2	84.5 27.8 171.1 (D) 29.7	27.8 5.7 54.5 (D) 12.0	112.6 33.4 225.6 (D) 41.7	1.7 .6 4.4 (D) .6	1.9 .4 3.2 G (NA)	104.2 36.3 120.5 (D) (D)
Idaho Illinois Indiana Iowa Kansas		20 136 44 51 43	5 26 6 11 12	.2 3.5 .6 1.0 2.0	3.5 109.9 12.5 17.4 51.0	.1 1.2 .2 .3 .5	.1 2.1 .4 .6 1.1	.8 34.4 4.1 4.5 10.9	11.5 388.7 41.6 57.6 386.6	2.7 352.2 13.0 15.5 57.1	14.1 741.5 54.8 73.2 443.3	.3 5.3 (D) .6 4.1	(NA) 3.5 1.5 .7 1.4	(NA) 368.9 79.3 27.4 277.0
Kentucky Louisiana Maine Maryland Massachusetts	_ E4 E1 E4 _	33 31 19 77 96	6 4 1 15 14	.8 .2 .2 1.7 2.5	19.1 3.5 4.9 51.3 76.4	.4 .1 .4 .5	.7 .1 .1 .7 1.0	6.4 .9 1.0 7.0 11.1	107.9 11.5 15.8 173.6 768.9	13.2 4.0 2.5 41.8 248.5	122.6 15.5 18.7 215.3 1 018.1	.6 (D) .4 3.1 (D)	F .2 (NA) 1.5 3.4	(D) 29.2 (NA) 84.0 632.0
Michigan Minnesota Missouri Montana Nebraska	- E6 E3 -	100 75 46 13 13	19 14 9 2 2	3.1 1.0 F .1 E	95.2 26.1 (D) 1.6 (D)	1.1 .5 (D) (Z) (D)	2.1 .8 (D) .1 (D)	26.0 8.6 (D) .4 (D)	993.3 129.2 (D) 6.0 (D)	121.6 39.0 (D) 1.6 (D)	1 112.8 167.8 (D) 7.7 (D)	10.4 (D) (D) (D)	5.1 1.5 .9 (NA) G	297.6 107.6 46.2 (NA) (D)
New Hampshire New Jersey New Mexico New York North Carolina	E4 E3	23 118 14 382 47	3 16 3 75 10	.2 2.5 .1 9.0 F	3.6 86.7 1.3 258.3 (D)	.1 .7 .1 2.6 (D)	.1 1.2 .1 4.3 (D)	1.0 17.2 .4 57.6 (D)	10.8 200.2 3.1 832.4 (D)	4.1 54.9 1.0 296.5 (D)	14.9 255.5 4.1 1 127.7 (D)	.3 3.7 (D) 15.1 (D)	(NA) 3.9 (NA) 9.4 F	(NA) 183.1 (NA) 882.0 (D)
North Dakota Ohio Oklahoma Oregon Pennsylvania		5 103 26 51 116	1 20 6 4 34	C 1.8 .3 .7 3.9	(D) 37.9 6.3 18.3 94.1	(D) .7 .3 2.1	(D) 1.2 .2 .5 4.3	(D) 10.4 1.0 6.9 38.3	(D) 128.6 24.0 105.5 589.6	(D) 36.0 9.0 18.6 189.8	(D) 163.3 33.1 127.9 779.7	(D) (D) .2 1.9 9.8	(NA) 2.6 .2 .6 2.5	(NA) 138.6 6.4 66.3 171.8
South Carolina Tennessee Texas Utah Vermont	E3 E4	33 106 196 20 16	1 10 29 5 2	.2 1.3 2.4 1.6 .3	5.0 29.5 63.9 38.8 5.6	.1 .8 .7 .4	.1 1.8 1.3 .9 .4	1.7 16.8 12.8 6.4 3.1	14.2 85.1 223.3 98.8 8.3	4.6 57.3 79.9 53.4 1.9	18.1 143.8 307.5 147.3 10.3	.2 1.9 2.9 (D) (D)	(NA) .8 2.4 .3 .3	(NA) 38.7 119.4 16.0 7.8
Virginia Washington Wisconsin	E2 E1 E1	86 88 92	16 9 26	1.0 1.0 1.6	28.2 25.7 23.0	.4 .4 .6	.7 .7 .8	6.5 7.5 7.0	84.8 136.8 53.1	24.0 42.7 21.1	109.1 186.0 73.8	1.3 1.4 1.4	1.1 .4 1.2	71.3 102.4 35.6

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Note: For qualifications of data, see footnotes on table 1a.

¹Payroll and sales data for some small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other Government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown for those States where estimated value of shipments data based on administrative-record data account for 10 percent or more of figure shown. E1-10 to 19 percent; E2-20 to 29 percent; E3-30 to 39 percent; E4-40 to 49 percent; E5-50 to 59 percent; E6-60 to 69 percent; E7-70 to 79 percent; E8-80 to 89 percent; E9-90 percent or more. ²Statistics for some producing States have been withheld to avoid disclosing data for individual companies. However, for States with 100 employees more, number of establishments is shown and employment-size range is indicated by one of the following symbols: C-100 to 249 employees; E-250 to 499 employees; E-500 to 999 employees; G-1,000 to 2,499 employees; H-2,500 to 4,999 employees; L-50,000 to 99,999 employees; M-100,000 employees or more.

Table 3a. Summary Statistics for the Industry: 1992

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

		Newspapers (SIC 2711)		Periodicals (SIC 2721)				
Item	Total	Daily (SIC 2711– 11)	Weekly and others (SIC 2711– 13)	Total	Publishing only (SIC 2721– 11)	Publishing and printing (SIC 2721– 13)		
Companiesnumber	6 762	573	6 350	4 390	4 062	340		
All establishmentsnumber	8 679 6 050 1 863 766	1 526 135 749 642	7 153 5 915 1 114 124	4 699 3 708 790 201	4 336 3 504 673 159	363 204 117 42		
Employment and labor costs: Employees	417.0 12 938.0 10 506.4 2 431.6 1 009.2 1 422.4	317.2 10 742.8 8 683.6 2 059.3 844.8 1 214.5	99.8 2 1952.8 1 825.8 372.3 164.4 207.9	116.2 4 860.3 4 074.5 785.8 316.4 469.5	94.4 4 066.2 3 418.6 647.6 267.3 380.3	21.8 794.1 655.9 138.2 49.1 89.1		

See footnotes at end of table.

27A-12 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

TIPS UPF [APS_PSB_C_BROOKS] 6/15/95 15:49:58 EPCV23 TLP:27A.BTI;59 6/12/95 18:17:44 DATA:NONE UPF:92MFFL_PUBS:27ADAT.UPF PAGE: 6 TSF:27A_92.DAT;1 6/12/95 18:18:09 UTF:27A_93.DAT;3 6/15/95 15:41:01 META:TIPS96-15483659.DAT;1 6/15/95 15:49:30

Table 3a. Summary Statistics for the Industry: 1992-Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

[For meaning of abbreviations and symbols, see introductory text. For explanation of	terms, see appene	-					
		Newspaper (SIC 2711				Periodicals (SIC 2721)	
Item	Tota	(SIC 27	Daily	kly and others 2711– 13)	Total	Publishing only (SIC 2721– 11)	Publishing and printing (SIC 2721– 13)
Production workers:	405.0			05.4	001	40.4	7.0
Average for year1,000	135.3 136.1	1 10	00.2 00.1	35.1 36.0	20.1 20.4	13.1 13.4	7.0 7.0
May1,000 August1,000	135.9		00.3 00.2	35.6 35.4	20.1 20.2	13.2 13.2	6.9 7.0
November1,000	134.1	10	00.3	33.8	19.8	12.9	7.0
Hours millions	235.8		75.5	60.3	39.0	25.5	13.5
Wagesmil dol	3 038.8	3 2 50	00.7	538.1	522.5	324.1	198.3
Cost of materials ¹ mil dolmil	6 874.0 5 850.3			418.7 027.5	6 200.9 2 417.1	5 620.0 2 076.2	580.9 341.0
Resalesmil dolmil dol	96.4 51.3	1 4	43.6 40.5	52.9 10.8	168.3 10.4	134.4	33.9 1.9
Purchased electricitymil dol	244.9	20	07.8	37.1	33.7	23.9	9.7
Contract workmil dol	631.1	34	40.6	290.5	3 571.3	3 377.0	194.4
Quantity of electric energy used for heat and power: mil kWh Purchased mil kWh Generated less sold mil kWh	3 652.5			573.8	423.9	291.6	132.3
	(D)		(D)	(D)	-	-	-
Total value of shipmentsmil dol	34 124.3	3 28 2	12.2	5 912.1	22 033.9	19 477.0	2 556.9
Value addedmil dol	27 247.0	22 75	54.6	492.3	15 833.0	13 845.6	1 987.4
Inventories by stage of fabrication: Beginning of 1992mil dol	819.7	6	34.9	184.7	1 071.4	877.4	194.0
Finished goodsmil dol	24.4	1 '	12.4 4.7	12.0	445.3 187.7	358.1 143.0	87.1 44.7
Work in processmil dolmil dol	786.5		17.9	168.7	438.4	376.3	62.1
End of 1992mil dol	767.4		92.7	174.7	1 066.7	861.1	205.6
Finished goodsmil dol Work in processmil dol	22.3	5	11.5 3.2	10.8 4.3	431.6 201.3	344.1 145.6	87.5 55.7
Materials and suppliesmil dolmil dol	737.7	57	78.0	159.6	433.8	371.4	62.3
	В	ook publishing (SIC 2731)				Miscellaneous pub (SIC 2741)	lishing
Item		Publishing	Publishing			Publishing	Publishing and
	Total	only (SIC 2731– 11)	and printing (SIC 2731– 13)	Book printin (SIC 2732	g 2) T	only (SIC 2741- Total 11	y printing - (SIC 2741–
Companiesnumber	2 504	2 335	178	57	5 3	159 3 011	1 161
All establishmentsnumber	2 644	2 464	180	62		390 3 219	
With 1 to 19 employeesnumber	2 144 364	2 032 322	112 42	33		820 2 749 437 375	
With 100 employees or morenumber	136	110	26	10	2	133 95	
Employment and labor costs: Employees1,000	79.6	60.9	18.6	50.	a	65.4 52.2	2 13.2
Compensation, totalmil dol	3 245.4	2 541.5	703.8	1 670.	5 20	74.7 1 672.5	5 402.2
Annual payrollmil dol Fringe benefitsmil dol	2 675.7 569.6	2 086.6 454.9	589.2 114.7	1 360. 309.	8 3	32.9 1 401.7 41.8 270.8	3 71.0
Social Security and other legally required paymentsmil dol Employer voluntary paymentsmil dol	223.0 346.6	176.9 278.1	46.2 68.5	137. 171.		35.7 104.4 06.2 166.5	
Production workers:							
Average for year1,0001,	18.6 18.7	10.1 10.1	8.6 8.6	38. 39.		23.7 17.4 23.7 17.5	
May1,000	18.9	10.3 9.9	8.6	39.	2	24.0 17.7	7 6.3
August1,0001,0001,000	18.6 18.4	10.0	8.6 8.4	38. 38.	0	24.1 17.5 23.2 17.0	
Hours millions	35.5	18.2	17.3	76.	2	43.3 31.4	11.8
Wagesmil dol	443.3	215.8	227.6	923.	9 4	67.8 343.0	124.8
Cost of materials1mil dol	5 337.7	4 562.5	775.2	1 868.	4 24	76.7 2 143.5	5 333.2
Cost of materials ¹ mil dolmil d	1 613.7 270.7	1 124.0 235.6	489.6 35.1	1 587. 18		08.6 474.7 83.7 71.2	7 233.9
Fuelsmil dolmil dol	8.9 29.9	7.1 18.4	1.8 11.5	13.	0	6.8 4.7 23.9 16.4	7 2.1
Contract workmil dol	3 414.5	3 177.4	237.1	199.		53.7 1 576.5	
Quantity of electric energy used for heat and power: Purchasedmil kWhmil kWh	418.6	226.7	191.9	886.	1 3	46.5 221.8	3 124.8
Total value of shipmentsmil dol	16 731.1	14 550.8	2 180.3	4 687.	9 10 9	77.1 9 471.8	1 505.2
Value addedmil dolmil dolmil dolmil dolmil dolmil dolmil dolmil dol	11 494.4	14 550.8	1 410.0	2 833.		24.9 7 355.3	
Inventories by stage of fabrication:							
Beginning of 1992mil dolmil dol	2 840.4 2 262.3	2 522.9 2 067.5	317.5 194.8	405. 52.		74.7 785.3 08.9 477.1	
Work in processmil dol	363.9	285.8	78.1	174.		22.8 205.5	
Work in processmil dol Materials and suppliesmil dol	363.9 214.3	285.8 169.6	44.7	178.	1 1	43.0 102.7	40.3
Work in processmil dol	363.9	285.8			1 1 1 9 8 5		7 40.3 7 83.7 4 35.5

Note: For qualifications of data, see footnotes on table 1a.

¹Data on purchased services for the repair of buildings and machinery and for communication services are not included in cost of materials, etc., but are shown in table 3c. ²Data on materials consumed by type are shown in table 7. Data on amount purchased or transferred from foreign sources are shown in table 3c.

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TIPS UPF [APS_PSB,C_BROOKS] 6/15/95 15:49:58 EPCV23 TLP:27A.BTI;59 6/12/95 18:17:44 DATA:NONE UPF:92MFFL_PUBS:27ADAT.UPF PAGE: 7 TSF:27A_92.DAT;1 6/12/95 18:18:09 UTF:27A_93.DAT;3 6/15/95 15:41:01 META:TIPS96-15483659.DAT;1 6/15/95 15:49:30

Table 3b. Gross Book Value of Depreciable Assets, Capital Expenditures, Retirements, **Depreciation, and Rental Payments: 1992**

[Million dollars. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Newspapers (SIC 2711)	Periodicals (SIC 2721)	Book publishing (SIC 2731)	Book printing (SIC 2732)	Miscellaneous publishing (SIC 2741)
Gross book value of depreciable assets: Total:					
Beginning of year New capital expenditures ¹	18 824.9 1 667.4 71.1	2 621.7 234.4 20.6	2 228.9 326.7 9.6	2 194.6 198.2 24.8	1 083.8 190.4 10.5
Used capital expenditures Retirements End of year	521.5 20 041.9	20.6 107.8 2 768.8	9.6 163.0 2 402.2	24.8 82.0 2 335.7	10.5 58.2 1 226.5
Buildings and other structures: Beginning of year New capital expenditures Used capital expenditures Retirements	5 609.7 399.5 19.8 59.1	989.7 38.9 9.6 21.7	755.6 77.0 3.5 50.1	455.1 18.6 7.2 14.6	230.2 51.3 2.3 5.7
End of year Machinery and equipment:	5 969.8	1 016.4	785.9	466.3	278.1
Beginning of year New capital expenditures ¹ Used capital expenditures Retirements End of year	13 215.2 1 267.9 51.4 462.4 14 072.0	1 632.0 195.5 11.0 86.0 1 752.5	1 473.3 249.7 6.1 112.9 1 616.3	1 739.5 179.6 17.6 67.4 1 869.4	853.6 139.1 8.2 52.5 948.5
Depreciation charges during 1992: Total Buildings and other structures Machinery and equipment	1 214.3 226.0 988.3	245.1 51.6 193.5	225.7 42.1 183.5	158.6 19.5 139.2	115.7 14.2 101.4
Rental payments: Total	344.4 239.2 105.2	485.1 393.3 91.8	240.3 177.9 62.4	53.7 29.2 24.5	155.6 106.6 49.1

¹Data on new machinery and equipment expenditures by type are provided in table 3c.

Table 3c. Supplemental Industry Statistics Based on Sample Estimates: 1992

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

	News (SIC	oapers 2711)	Perio (SIC 2		Book pu (SIC 2	blishing 2731)	Book p (SIC 2	orinting 2732)		us publishing 2741)
Item	Amount (million dollars)	Relative standard error of estimate ¹ (percent)	Amount (million dollars)	Relative standard error of estimate ¹ (percent)	Amount (million dollars)	Relative standard error of estimate ¹ (percent)	Amount (million dollars)	Relative standard error of estimate ¹ (percent)	Amount (million dollars)	Relative standard error of estimate ¹ (percent)
Purchased services: Cost of purchased services for the repair of– Buildings and other structures Response coverage ratio (percent) ² Machinery Response coverage ratio (percent) ² Other purchased services:	83.8 85.7 178.8 86.0	(X) (X) (X)	17.0 71.6 28.7 70.3	(X) (X) (X) (X)	10.7 66.8 24.0 66.5	(X) (X) (X) (X)	11.7 88.6 52.2 90.5	(X) (X) (X) (X)	9.7 74.0 25.2 74.9	8888
Commications	204.0 84.7 78.1 46.0 83.6 191.0 85.2 59.6 83.9 17.2 84.5	888888888888888888888888888888888888888	99.3 69.9 46.0 71.1 64.5 595.3 70.1 39.4 69.6 1.3 67.9	888888888888	81.5 64.1 19.9 67.5 315.9 70.5 34.1 64.8 2.3 65.3	SSSSSSSSSSS	13.1 86.8 7.1 90.2 4.3 90.5 7.2 84.5 3.8 86.1 5.5 89.5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	40.7 72.2 19.5 74.7 8.0 73.6 163.8 74.7 22.1 74.1 74.1 1.4 71.5	888888888888888888888888888888888888888
New machinery and equipment expenditures Automobiles, trucks, etc., for highway use Computers and peripheral data processing equipment All other Adjustment ratio ³	1 267.9 58.1 271.9 938.0 1.1	(X) 5 3 1 (X)	195.5 5.7 106.2 83.5 1.4	(X) 28 4 5 (X)	249.7 4.5 134.0 111.3 1.1	(X) 25 2 3 (X)	179.6 3.7 16.7 159.2 1.4	(X) 47 7 2 (X)	139.1 3.1 50.0 86.1 1.1	(X) 52 11 8 (X)
Cost of materials, components, parts, etc., used Materials purchased or transferred from foreign sources4 Materials purchased or transferred from domestic sources Adjustment ratio3	5 850.3 1 271.3 4 579.0 1.4	(X) 4 1 (X)	2 417.1 12.5 2 404.6 1.6	(X) 18 1 (X)	1 613.7 58.5 1 555.1 1.3	(X) 52 3 (X)	1 587.6 26.6 1 561.0 1.8	(X) 20 1 (X)	708.6 (S) (S) (S)	XXXX

Note: The amounts shown for purchased services reflect only those services that establishments purchase from other companies. Amounts purchased by separate central administrative offices and services provided to establishments by central administrative offices are excluded.

¹For description of relative standard error of estimate, see Qualifications of the Data in appendixes. ²A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight, see appendix B) for those ASM establishments that reported to the weighted total employment for all ASM establishments classified in the industry. ³Detail has been adjusted upwards to account for nonresponse. Inverse of the ratio shown represents a measure of the response of the inquiry. (See appendixes for further explanation.) ⁴Data may understate the true cost of imported parts, components, and supplies since some respondents do not know the origin of these materials. Includes cases from foreign suppliers and importers by domestic manufacturing establishments are believed to be reported accurately.

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MANUFACTURES-INDUSTRY SERIES

Table 4. Industry Statistics by Employment Size of Establishment: 1992

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

[For meaning of abbreviations and symbols, see int	roduct	ory text. F				-	liere					
		All	All em	ployees	Pro	oduction wor	kers	Value added by			New capital	End-of- year
Industry and employment size class	E1	estab- lish- ments (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	manufac- ture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	expend- itures (million dollars)	inven- tories (million dollars)
INDUSTRY 2711, NEWSPAPERS												
Total	E1	8 679	417.0	10 506.4	135.3	235.8	3 038.8	27 247.0	6 874.0	34 124.3	1 667.4	767.4
Establishments with an average of-												
1 to 4 employees	E8 E6	2 952 1 752	5.3 11.8	91.5 181.7	1.6 4.1	3.3 6.7	26.4 54.1	295.6 471.4	87.2 136.6	382.8 608.0	21.7 28.5	9.5 16.1
5 to 9 employees 10 to 19 employees	E2	1 346	18.5	299.2	6.9	12.2	98.2	696.2	200.7	896.8	29.8	27.1
20 to 49 employees	E1	1 280	39.7 40.0	697.9 725.6	14.3	24.8 23.1	213.0	1 735.3 2 162.1	440.3	2 175.8 2 650.2	59.9 72.3	58.9 75.0
50 to 99 employees 100 to 249 employees	1 E1	583 464	71.7	1 528.8	13.4 23.7	41.2	211.8 438.8	3 946.9	487.4 1 022.5	2 650.2 4 970.3	156.5	116.1
250 to 499 employees	E1	164 75	56.1	1 316.9	16.8	28.4	358.8	3 093.1	722.5	3 816.8	146.6	96.9
500 to 999 employees 1,000 to 2,499 employees		75 51	52.1 75.9	1 435.7 2 594.8	18.5 23.9	32.2 42.3	451.8 737.2	3 996.5 6 840.0	1 022.3 1 763.8	5 019.8 8 603.6	173.3 352.1	103.5 159.1
2,500 employees or more	-	12	45.7	1 634.4	12.0	21.7	448.7	4 009.9	990.9	5 000.3	626.7	105.1
Covered by administrative records ²	E9	4 313	18.0	240.5	6.0	10.3	69.7	652.4	190.4	842.8	49.7	21.0
INDUSTRY 2721, PERIODICALS												
Total	E2	4 699	116.2	4 074.5	20.1	39.0	522.5	15 833.0	6 200.9	22 033.9	234.4	1 066.7
Establishments with an average of – 1 to 4 employees	E6	2 178	3.8	98.1	.7	2.0	20.7	382.2	180.7	564.6	5.2	26.8
5 to 9 employees	E3	866	5.7	143.9	1.5	2.9	28.5	459.8	196.5	657.1	5.8	31.7
10 to 19 employees20 to 49 employees	E2 E2	664 586	9.0 18.1	259.7 561.4	2.3 3.8	4.3 6.9	48.3 85.0	824.6 1 873.7	335.6 739.1	1 159.6 2 603.5	9.6 26.3	57.8 124.8
50 to 99 employees	E2	204	14.0	442.9	3.2	6.3	72.0	1 560.3	584.2	2 145.6	28.0	90.0
100 to 249 employees 250 to 499 employees	E2 E1	134 40	20.9 13.2	741.1 492.8	3.9 2.6	7.1 5.6	94.9 70.3	2 806.9 2 133.2	1 106.9 868.5	3 927.0 3 001.4	37.8 35.1	215.1 140.6
500 to 999 employees	E4	16 9	11.3	486.4	.8	1.4	73.8	2 046.2	790.8	2 837.7	31.1	114.3
1,000 to 2,499 employees 2,500 employees or more	_	2	20.2 (D)	848.2 (D)	1.2 (D)	2.4 (D)	28.9 (D)	<u>3 746.1</u> (D)	1 398.6 (D)	5 137.4 (D)	55.5 (D)	265.7 (D)
Covered by administrative records ²		2 062	4.8	83.9	1.1	2.4	17.8	292.9	139.1	432.0	4.5	23.7
INDUSTRY 2731, BOOK PUBLISHING												
Total	E1	2 644	79.6	2 675.7	18.6	35.5	443.3	11 494.4	5 337.7	16 731.1	326.7	2 944.1
Establishments with an average of -												
1 to 4 employees5 to 9 employees	E7 E5	1 442 445	2.4 2.9	54.5 62.3	.6 .8	1.3 1.5	11.2 12.1	270.0 255.4	119.6 115.3	385.9 368.5	4.9 4.2	89.8 74.7
10 to 19 employees	E2	257	3.5	90.8	.9	1.6	15.8	310.2	147.2	452.7	6.4	106.9
20 to 49 employees 50 to 99 employees	E2 E2	246 118	7.5 8.3	202.8 258.3	1.9 1.7	3.5 3.4	35.7 40.9	730.3 990.8	348.4 417.1	1 070.4 1 389.9	11.8 15.9	225.0 306.2
100 to 249 employees	E1	74	11.1	375.4	2.5	4.7	59.3	2 130.1	837.5	2 913.9	38.4	627.2
250 to 499 employees 500 to 999 employees	E1	32 16	11.4	416.5 363.1	1.5 2.7	2.7 4.7	40.2 63.4	2 131.7 1 339.4	929.5 828.3	3 096.8 2 150.9	36.0 31.9	479.4 369.4
1,000 to 2,499 employees		13	21.9	852.0	5.9	12.0	164.7	3 336.7	1 594.8	<u>4 901.9</u>	177.3	665.4
2,500 employees or more	-	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records ²	E9	1 507	3.7	64.8	1.1	2.1	14.6	259.7	109.1	368.8	5.1	67.8
INDUSTRY 2732, BOOK PRINTING												
Total	-	623	50.9	1 360.7	38.8	76.2	923.9	2 833.6	1 868.4	4 687.9	198.2	419.1
Establishments with an average of – 1 to 4 employees	E8	127	2	5.1	2	.4	3.6	11.1	8.1	19.2	1.1	1.8
5 to 9 employees	E6	100	.2	15.0	.2 .5	1.0	10.1	32.1	23.2	54.9	2.7	6.8
10 to 19 employees 20 to 49 employees	E3	103 128	1.4 4.1	36.3 114.4	1.0 2.9	2.1 6.1	22.0 67.8	70.3 246.2	44.4 132.8	116.4 378.2	5.1 13.6	9.5 26.1
50 to 99 employees		63	4.6	137.5	3.2	6.7	83.9	284.4	186.2	469.2	15.9	33.4
100 to 249 employees 250 to 499 employees	E1	48 33	7.5	211.4 314.6	5.5 9.0	11.2 17.5	134.7 222.3	420.4 656.1	325.7 519.4	746.9 1 170.6	27.8 52.0	56.0 120.8
500 to 999 employees		15	10.0	253.9	7.7	14.8	172.5	560.0	276.0	831.5	80.1	76.9
1,000 to 2,499 employees 2,500 employees or more	_	5 1	<u>10.5</u> (D)	272.5 (D)	8.7 (D)	<u>16.3</u> (D)	207.0 (D)	553.0 (D)	352.8 (D)	900.9 (D)	(D) (D)	87.8 (D)
Covered by administrative records ²		218	1.1	21.1	.9	1.7	14.9	38.6	30.1	68.7	4.0	6.3
INDUSTRY 2741, MISCELLANEOUS												
PUBLISHING												
Total	E1	3 390	65.4	1 732.9	23.7	43.3	467.8	8 524.9	2 476.7	10 977.1	190.4	902.4
Establishments with an average of – 1 to 4 employees	E7	1 829	3.0	67.1	.9	1.9	17.1	248.7	88.9	337.1	5.1	27.6
5 to 9 employees	E3	584	3.9	85.4	1.4	2.4	21.8	242.0	86.3	328.7	4.5	26.0
10 to 19 employees 10 to 19 employees 20 to 49 employees	E2 E2	407 317	5.5 9.6	126.7 212.1	2.0 3.1	3.4 4.9	31.9 46.6	381.4 602.6	146.4 210.8	524.0 812.7	7.3 12.4	51.9 71.5
50 to 99 employees	1 E3	120	7.9	207.6	2.6	4.9	45.7	646.7	218.0	864.1	14.2	62.4
100 to 249 employees 250 to 499 employees 500 to 999 employees	E2 E1	87 32	13.3 11.0	357.8 321.0	5.3 4.5	9.7 8.5	105.8 114.1	1 564.4 1 973.9	676.1 373.0	2 248.8 2 351.7	24.0 26.2	114.0 97.5
to +00 omployees	1 - 1	12	11.0	355.2	4.5 <u>3.8</u> (D)	7.6	84.8	2 865.2	677.3	3 510.0	96.7	<u>451.6</u>
500 to 999 employees	-											
500 to 999 employees 1,000 to 2,499 employees Covered by administrative records ²	-	2 1 664	(D) 3.7	(D) 63.6	(D) 1.2	(D) 2.1	(D) 15.0	(D) 224.2	(D) 78.9	(D) 303.1	(D) 5.0	(D) 23.0

See footnotes at end of table.

MANUFACTURES—INDUSTRY SERIES

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Table 4. Industry Statistics by Employment Size of Establishment: 1992–Con.

Note: For qualifications of data, see footnotes on table 1a. Data shown as (D) are included in underscored figures above.

¹Payroll and sales data for some small single-establishment manufacturing companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other Government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown for these small establishments. This classes where estimated data based on administrative-record data account for 10 percent or more of figures shown: E1–10 to 19 percent; E2–20 to 29 percent; E3–30 to 39 percent; E4–40 to 49 percent; E5–50 to 59 percent; E6–60 to 69 percent; E7–70 to 79 percent; E8–80 to 89 percent; E9–90 percent or more. ?Report forms were not mailed to small single-establishment companies with up to 20 employees (cutoff varied by industry). Payroll and sales data for 1992 were obtained from administrative records supplied by other agencies of the Federal Government. Those data were then used in conjunction with industry averages to estimate the items shown. Data are also

included in respective employment-size classes shown.

Table 5a. Industry Statistics by Industry and Primary Product Class Specialization: 1992

[Table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. Measures of plant specialization shown are (1) industry specialization: ratio of primary product shipments to total product shipments (primary plus secondary, excluding miscellaneous receipts) for the establishment; and (2) product class specialization: ratio of largest primary product class shipments to total product shipments (primary plus secondary, excluding miscellaneous receipts) for the establishment; and (2) product class specialization: ratio of largest primary product class shipments to total product shipments (primary plus secondary, excluding miscellaneous receipts) for the establishment. See appendix for method of computing ratios. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

	For meaning of abbreviations and symbols, see introductory		-								
Indus- try or		All	All em	ployees	Pro	oduction work	ers	Value added by			New capital
prod- uct class code	Industry or primary product class	estab- lish- ments (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	manufac- ture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	expend- itures (million dollars)
2711	Newspapers: All establishments in industry	8 679	417.0	10 506.4	135.3	235.8	3 038.8	27 247.0	6 874.0	34 124.3	1 667.4
27111	Establishments with this product class primary: Daily and Sunday newspapers: receipts from subscriptions and sales	49	7.9	237.7	2.0	3.4	43.2	495.1	227.2	723.4	13.5
27112	Daily and Sunday newspapers: receipts from				97.5						
27113	advertising Weekly and other newspapers: receipts from	1 440	306.4	8 335.5		170.5	2 435.3	22 210.7	5 202.5	27 415.6	1 444.7
27114	subscriptions and sales Weekly and other newspapers: receipts from advertising	99 1 670	2.3 46.9	60.1 890.3	.7 17.5	1.3 29.9	12.0 266.0	280.8 1 907.9	89.8 620.1	371.3 2 527.8	3.6 48.8
2721	Periodicals: All establishments in industry	4 699	116.2	4 074.5	20.1	39.0	522.5	15 833.0	6 200.9	22 033.9	234.4
27211	Establishments with this product class primary: Farm periodicals: receipts from subscriptions, sales, _and advertising	54	1.3	38.3	.4	.8	7.4	127.8	45.2	172.8	1.7
27213	Specialized business and professional periodicals: receipts from subscriptions and single copy sales	285	16.2	599.2		.0	76.6	1 775.4	497.6	2 271.6	42.3
27214	Specialized business and professional periodicals:	637	25.8	931.5	3.5	6.9	127.8	3 168.3	1 035.2	4 207.3	39.3
2721A	receipts from advertising General and consumer periodicals: receipts from	163	10.4	314.2	5.5 1.4	2.7	41.5	1 745.3	726.5	4 207.3 2 452.4	39.3
2721B	subscriptions General and consumer periodicals: receipts from	91	4.5	170.9		2.7	33.7	691.4	399.9	1 089.2	8.4
2721C	single copy sales General and consumer periodicals: receipts from	370			1.2						
2721D	advertising	370 159	25.2 8.4	1 129.7 226.4	3.0 2.1	5.7 4.1	85.8 43.2	5 444.8 578.5	2 167.5 194.4	7 627.5 776.8	63.5 11.5
2731	Book publishing: All establishments in industry	2 644	79.6	2 675.7	18.6	35.5	443.3	11 494.4	5 337.7	16 731.1	326.7
27311 27313 27314 2731A 2731B 2731C 2731C 2731C 2731E 2731F 2731G 2731H	Establishments with this product class primary: Textbooks, including teachers' editions Technical, scientific, and professional books Mass market paperbound books, rack-size Book club books Mail order books Adult trade and juvenile books General reference books Other books, excluding pamphlets Pamphlets (5 through 48 pages) Audio books (books recorded on audio cassettes), publishing	130 156 63 12 6 34 134 28 87 19 3	18.0 18.8 4.7 2.9 (D) 4.7 9.2 2.6 3.4 1.0	647.1 636.1 114.7 121.9 (D) 213.9 350.0 98.5 96.2 28.4 (D)	2.7 7.5 1.4 (Z) (D) .4 1.3 .2 .6 .2 (D)	5.3 14.9 2.1 (D) .7 2.2 .4 1.2 .4 (D)	72.7 204.1 23.1 1.0 (D) 7.1 31.4 6.8 14.1 4.6 (D)	2 966.0 2 129.7 438.8 786.0 (D) 1 266.7 1 620.8 264.8 311.4 79.1 (D)	1 349.5 673.9 278.5 457.6 (D) 628.0 820.8 168.1 130.6 24.0 (D)	4 338.7 2 769.5 731.6 1 245.4 (D) 1 887.7 2 379.4 439.5 439.5 432.2 102.5 (D)	51.9 147.6 8.0 12.0 (D) 28.3 7.5 5.7 1.9 (D)
2732	Book printing: All establishments in industry	623	50.9	1 360.7	38.8	76.2	923.9	2 833.6	1 868.4	4 687.9	198.2
27323 27324	Establishments with this product class primary: Textbooks, printing and binding Technical, scientific, and professional books, printing	41	4.9	143.0 335.3	3.9 9.7	7.8	100.6 231.5	313.1 686.5	273.2	582.7 1 198.0	22.3
27325 27326 2732A 2732B 2732C	and binding	69 14 47 40 21 51	12.0 1.0 14.8 7.8 1.2 1.7	335.3 26.9 386.2 200.6 33.0 51.2	9.7 .6 12.1 5.8 .9 1.2	19.1 1.2 23.6 11.0 1.8 2.4	231.3 15.2 295.4 124.3 20.6 30.1	48.5 819.5 436.6 73.9 95.0	312.0 34.2 518.1 220.3 39.8 58.0	1 198.0 84.0 1 336.5 650.9 114.3 152.9	69.5 2.9 41.7 28.1 3.5 4.2
2741	Miscellaneous publishing: All establishments in industry	3 390	65.4	1 732.9	23.7	43.3	467.8	8 524.9	2 476.7	10 977.1	190.4
27416 27417	Establishments with this product class primary: Telephone directories, publishing Catalogs and directories, except telephone	143	11.4	370.9	2.3	4.4	55.2	3 853.2	993.2	4 826.3	69.9
27418 27419 2741A 2741B	directories, publishing Business service publications, publishing Patterns, including clothing patterns Shopping news, publishing Other miscellaneous publishing	125 167 14 350 246	4.5 5.7 1.3 12.9 14.0	149.7 193.5 34.2 224.3 383.5	1.4 1.8 .8 5.0 7.0	2.5 3.5 1.5 7.6 14.3	29.1 61.3 19.6 66.3 148.4	388.4 492.9 192.4 550.0 1 675.5	149.2 90.2 34.0 180.8 557.5	537.4 584.5 226.0 732.3 2 232.3	9.6 9.1 (D) 12.2 57.8

Note: For qualifications of data, see footnotes on table 1a.

27A-16 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

Table 5b. Industry–Product Analysis–Value of Industry and Primary Product Shipments; Specialization and Coverage Ratios: 1992 and Earlier Census Years

[Million dollars. An establishment is assigned to an industry based on shipment values of products representing largest amount considered primary to an industry. Frequently, establishment shipments comprise mixtures of products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as merchandising or contract work (total miscellaneous receipts). Subtotals for total value of shipments show this product pattern for an industry. Primary products specialization ratio is the primary products value of shipments divided by the sum of primary products value of shipments value of shipments. The extent of which an industry's primary products are shipped by establishments classified both in and out of an industry is the coverage ratio and is calculated by dividing the primary products value of shipments by the value of primary products shipments made in all industries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

meaning of abbreviations and symbols, see introductory text. Tor explanation			
Industry	1992	1987	1982
INDUSTRY 2711, NEWSPAPERS			
Total value of shipments	34 124.3	31 850.1	21 276.3
Primary products value of shipments Secondary products value of shipments	32 261.5 1 370.3	30 494.7 1 037.0	20 313.7 798.4
Total miscellaneous receipts	492.6	318.4	164.2
Value of resales	109.4	61.4	27.4
Contract receipts	(1)	(D)	4.9
Other miscellaneous receipts	383.1 18.7	(D) (NA)	131.9
Sales of scrap and refuse Other miscellaneous receipts	^{1354.4}	(NA) (NA)	14.4 105.0
Other miscellaneous receipts, n.s.k.	10.1	(NA)	12.5
Primary products specialization ratio	96	97	96
Value of primary products shipments made in all industries	32 261.5	30 494.7	20 313.7
Value of primary products shipments made in this industry	32 261.5	30 494.7	20 313.7
Value of primary products shipments made in other industries	-	-	-
	400	400	100
Coverage ratio	100	100	100
INDUSTRY 2721, PERIODICALS			
Total value of shipments	22 033.9	17 329.2	11 478.0
Primary products value of shipments	19 821.5	15 793.1	10 278.6
Secondary products value of shipments	1 115.1	769.2	786.4
Total miscellaneous receipts	1 097.4	766.8 196.4	413.0
Value of resales Contract receipts	326.8	51.6	186.6 29.1
Other miscellaneous receipts	770.6	518.8	197.3
Receipts for publishing prepackaged computer software	3.9	(NA)	(NA)
Other miscellaneous receipts	¹ 673.0	(NA)	194.4
Other miscellaneous receipts, n.s.k.	93.8	(NA)	2.9
Primary products specialization ratio	95	95	93
Value of primary products shipments made in all industries	20 890.3	16 492.1	10 625.8
Value of primary products shipments made in an industries	19 821.5	15 793.1	10 025.8
Value of primary products shipments made in other industries	1 068.9	698.9	347.1
			-
Coverage ratio	95	96	97
INDUSTRY 2731, BOOK PUBLISHING			
Total value of shipments	16 731.1	12 619.5	7 740.0
Primary products value of shipments Secondary products value of shipments	14 097.0 1 281.5	11 010.8 1 011.6	7 077.4 443.5
Total miscellaneous receipts	1 352.6	597.2	219.0
Value of resales	605.3	277.2	70.9
Contract receipts	(1)	17.2	53.9
Other miscellaneous receipts	747.3	302.8	94.2
Receipts for publishing prepackaged computer software Other miscellaneous receipts	21.8 1649.0	(NA) (NA)	(NA) 92.5
Other miscellaneous receipts, n.s.k.	76.6	(NA)	1.7
Brimany products aposialization ratio	92	92	94
Primary products specialization ratio	92	92	54
Value of primary products shipments made in all industries	14 785.6	11 629.9	7 812.6
Value of primary products shipments made in this industry	14 097.0	11 010.8	7 077.4
Value of primary products shipments made in other industries	688.7	619.2	735.2
Coverage ratio	95	95	91
INDUSTRY 2732, BOOK PRINTING			
Total value of shipments	4 687.9 4 042.6	3 256.3 2 866.8	2 392.4 2 092.3
Primary products value of shipments Secondary products value of shipments	514.1	354.0	2 092.3 256.5
Total miscellaneous receipts	131.3	35.5	43.6
Value of resales	34.7	21.5	10.0
Contract receipts	(1)	(D) (D)	2.3
Other miscellaneous receipts Receipts for photocopying and duplicating	96.6 10.8	(D) (NA)	31.3 (NA)
Sales of scrap and refuse	17.7	(NA)	7.2
Receipts for services as print broker	.9	(NA)	(NA)
Other miscellaneous receipts	¹ 66.5	(NA)	23.8
Other miscellaneous receipts, n.s.k.	.8	(NA)	.3
Primary products specialization ratio	89	89	89
Value of primary products shipments made in all industries	4 736.1	3 240.9	2 501.9
Value of primary products shipments made in this industry Value of primary products shipments made in other industries	4 042.6 693.5	2 866.8 374.1	2 092.3 409.5
	093.3	374.1	409.0
Coverage ratio	85	88	84
	. 85	. 80	. 04

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-17

Table 5b. Industry–Product Analysis–Value of Industry and Primary Product Shipments; Specialization and Coverage Ratios: 1992 and Earlier Census Years–Con.

[Million dollars. An establishment is assigned to an industry based on shipment values of products representing largest amount considered primary to an industry. Frequently, establishment shipments comprise mixtures of products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as merchandising or contract work (total miscellaneous receipts). Subtotals for total value of shipments show this product pattern for an industry. Primary products specialization ratio is the primary products value of shipments divided by the sum of primary products value of shipments plus secondary products value of shipments. The extent of which an industry's primary products are shipped by establishments classified both in and out of an industry is the coverage ratio and is calculated by dividing the primary products value of shipments by the value of primary products shipments made in all industries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry	1992	1987	1982
INDUSTRY 2741, MISCELLANEOUS PUBLISHING			
Total value of shipments Primary products value of shipments Secondary products value of shipments Total miscellaneous receipts Value of resales Contract receipts Other miscellaneous receipts Receipts for publishing prepackaged computer software Other miscellaneous receipts Other miscellaneous receipts Other miscellaneous receipts	10 977.1 10 475.3 269.0 232.8 135.3 (¹) 97.4 97.4 97.4 178.0 10.1	7 809.5 7 419.0 147.3 243.3 54.7 1.8 186.9 (NA) (NA) (NA)	2 871.3 2 662.9 127.9 80.5 57.8 3.9 18.8 (NA) 18.0 .8
Primary products specialization ratio	97	98	95
Value of primary products shipments made in all industries Value of primary products shipments made in this industry Value of primary products shipments made in other industries	11 567.1 10 475.3 1 091.8	8 176.6 7 419.0 757.6	3 096.6 2 662.9 433.7
Coverage ratio	91	91	86

Note: For qualifications of data, see footnotes on table 1a.

¹For 1992, contract receipts are included in "other miscellaneous receipts."

Table 6a. Product and Product Classes—Quantity Sold and Value of Receipts of All Producers: 1992 and 1987

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendixes. For meaning of abbreviations and symbols, see introductory text]

			1992			1987	
Product code	Product	Number of companies with receipts of \$100,000 or more	Aggregate average circulation per issue ^{1 2 3} (1,000)	Total receipts ¹ (million dollars)	Number of companies with receipts of \$100,000 or more	Aggregate average circulation per issue ^{1 2 3} (1,000)	Total receipts ¹ (million dollars)
2711	NEWSPAPERS						
	Total	(NA)	(X)	32 261.5	(NA)	(X)	30 494.7
27111 27111 01 27111 11 27111 12 27111 24 27111 24 27111 34 27111 34 27111 34 27111 44 27111 46 27111 42 27111 46 27111 56 27111 56 27111 56 27111 00	Daily and Sunday newspapers: receipts from subscriptions and sales Morning (no Sunday editions)	(NA) 121 212 143 (NA) 130 (NA) (NA) (NA) (NA) 46 (NA) (NA) (NA)	(X) * 5 047.6 (S) (X) 36 508.4 42 065.3 (X) 6 557.4 7 370.0 (X) 277.4 177.4 (X) 6 651.1 4 021.2 12 619.7	6 541.6 462.4 278.1 3 533.5 (X) (X) (X) (X) 1 091.1 (X) (X) (X) (X)	(NA) 87 117 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	(X) 8 330.5 *7 729.5 (X) 25 464.1 31 761.6 (X) 7 543.9 9 492.3 (X) *1 065.2 *948.7 (X) 8 574.0 5 556.2 13 638.2	5 212.0 511.0 2 105.0 (X) 474.5 (X) 91.0 (X) (X) (X) (X) (X) (X) (X) (X) (X) (X)
2/111 00	n.s.k.	(NA)	(X)	605.1	(NA)	(X)	438.2
27112 27112 01 27112 11 27112 22 27112 32 27112 42 27112 52 27112 00	Daily and Sunday newspapers: receipts from advertising Morning (no Sunday editions) Evening (no Sunday editions) Morning and Sunday combinations Evening and Sunday combinations (no Sunday editions) Morning and evening combinations (no Sunday editions) Morning, evening, and Sunday combinations Daily and Sunday newspapers: receipts from advertising, n.s.k	(NA) 140 219 145 129 15 47 (NA)	(X) (X) (X) (X) (X) (X) (X) (X)	20 123.8 907.9 792.5 11 845.7 1 585.8 35.1 3 462.6 1 494.1	(NA) 110 261 119 137 23 77 (NA)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	20 176.2 1 044.2 9 404.2 1 929.5 199.6 5 004.0 1 265.6
27113 27113 62 27113 98	Weekly and other newspapers: receipts from subscriptions and sales Weekly newspapers, including those issued on Sunday only Other newspapers (those issued 2 or 3 times a week or less than	(NA) 410	(X) *55 388.6	645.5 512.1	(NA) 315	(X) *46 257.4	573.0 474.0
27113 90	once a week)	196	**10 139.1	114.3	128	(S)	74.3
	n.s.k.	(NA)	(X)	19.1	(NA)	(X)	24.8
27114 27114 62 27114 98	Weekly and other newspapers: receipts from advertising Weekly newspapers, including those issued on Sunday only Other newspapers (those issued 2 or 3 times a week or less than once a week)	(NA) 977 367	(X) (X) (X)	2 108.3 1 496.4 462.3	(NA) 824 293	(X) (X) (X)	1 687.5 1 114.8 449.8
27114 00	Weekly and other newspapers: receipts from advertising, n.s.k	(NA)	(X) (X)	149.7	(NA)	(X)	122.9
27110 27110 00 27110 02	Newspapers, n.s.k	(NA) (NA) (NA)	(X) (X) (X)	2 842.4 1 999.5 842.8	(NA) (NA) (NA)	(X) (X) (X)	2 845.9 1 969.4 876.5

See footnotes at end of table.

27A-18 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendixes. For meaning of abbreviations and symbols, see introductory text]

onprients		1			
		19	92	19	987
		Number of		Number of	
Product	Product	companies with	Value of	companies with	Value of
code		shipments	product	shipments	product
		of \$100,000	shipments ¹ (million	of \$100,000	shipments ¹ (million
		or more	dollars)	or more	dollars)
2721	PERIODICAL PUBLISHING				
	Total	(NA)	20 890.3	(NA)	16 492.1
27211 27211 12	Farm periodicals: receipts from subscriptions, sales, and advertising Subscriptions and single copy sales	(NA) 37	199.9 54.6	(NA)	183.5
27211 14	Advertising	57	145.3	(NA)	170.7
27211 00	Farm periodicals: receipts from subscriptions, sales, and advertising, n.s.k.	(NA)	(Z)	(NA)	12.8
27213	Specialized business and professional periodicals: receipts from				
	subscriptions and single copy sales Business publications:	(NA)	2 527.3	(NA)	1 427.1
27213 24	Paid circulation, single copy and subscriptions: Manufacturing (excluding electronics)	16	31.0	11	65.8
27213 25	Wholesale and retail trade, including merchandising	30	59.6	18	25.3
27213 27 27213 28	Medical and health careElectronics/ data management	52 23	247.4 66.8	33 13	119.0 68.9
27213 30	Services (excluding data management)	29	416.4	20	29.5
27213 32	Business publications, n.e.cControlled circulation, single copy and subscriptions:	198	894.2	114	530.1
27213 34 27213 35	Manufacturing (excluding electronics) Wholesale and retail trade, including merchandising	12	28.3 6.1	6 7	2.8 9.3
27213 37	Medical and health care	23	40.6	20	27.8
27213 38 27213 40	Electronics/ data managementServices (excluding data management)	777	5.5	10 5	16.2 3.5
27213 42	Business publications, n.e.c.	48	54.0	29	38.4
27213 44	Professional journals, subscriptions and single copy sales: Scholarly journals	67	183.6	36	110.2
27213 46 27213 00	Other professional journals Specialized business and professional periodicals: receipts from	57	336.5	54	141.1
2.2.0 00	subscriptions and single copy sales, n.s.k.	(NA)	150.3	(NA)	239.3
27214	Specialized business and professional periodicals: receipts from advertising	(NA)	3 717.4	(NA)	2 614.5
	Business publications:		5717.4		2 014.5
27214 24	Paid circulation, advertising: Manufacturing (excluding electronics)	13	16.9	13	64.4
27214 25 27214 27	Wholesale and retail trade, including merchandising Medical and health care	40 41	159.5 104.7	25 23	138.9 163.0
27214 28	Electronics/ data management	20	187.8	7	104.7
27214 30 27214 32	Services (excluding data management) Business publications, n.e.c.	28 179	64.8 772.0	12 87	17.3 405.5
	Controlled circulation, advertising:				
27214 34 27214 35	Manufacturing (excluding electronics) Wholesale and retail trade, including merchandising	36 65	126.0 195.5	26 43	186.1 199.5
27214 37 27214 38	Medical and health careElectronics/ data management	58 27	268.0 72.7	28 18	133.6 207.6
27214 40	Services (excluding data management)	36	119.6	20	171.5
27214 42	Business publications, n.e.c Professional journals, advertising:	165	864.5	99	365.9
27214 44 27214 46	Scholarly journals Other professional journals	20 52	57.3 64.6	11 42	8.0 121.3
27214 40	Specialized business and professional periodicals: receipts from				
07044	advertising, n.s.k.	(NA)	643.3	(NA)	327.3
2721A 2721A 20	General and consumer periodicals: receipts from subscriptions Women's, home, and fashion publications, including domestic	(NA)	3 621.0	(NA)	2 749.2
2721A 50	science, child care, housekeeping, health, gardening, etc General news, including weeklies and biweeklies with news of	35	620.5	25	510.5
	interest to the general public	18	414.6	16	383.8
2721A 60	Business news, concerning business and industry, directed to a broader readership than those in business for a living	17	166.2	21	141.0
2721A 70 2721A 80	Regional, metropolitan, and city magazines Special interest publications: hobby, sports, entertainment, art,	31	73.1	36	33.5
2721A 90	photography, science, automotive, aviation, etc General interest publications: general articles, pictures, fiction,	222	1 239.3	142	769.7
	literature, geography, travel, history, humor, etc.	56	977.7	44	704.3
2721A 00	General and consumer periodicals: receipts from subscriptions, n.s.k.	(NA)	129.5	(NA)	206.4
2721B	General and consumer periodicals: receipts from single copy sales	(NA)	1 860.5	(NA)	1 365.0
2721B 10 2721B 20	Comics (subscriptions and single copy sales) Women's, home, and fashion publications, including domestic	14	213.3	5	(D)
	science, child care, housekeeping, health, gardening, etc.	32	384.8	23	342.6
2721B 50	General news, including weeklies and biweeklies with news of interest to the general public	14	122.5	13	51.6
2721B 60	Business news concerning business and industry, directed to a broader readership than those in business for a living	5	18.6	9	13.5
2721B 70 2721B 80	Regional, metropolitan, and city magazines Special interest publications: hobby, sports, entertainment, art,	14	6.8	15	(D)
	photography, science, automotive, aviation, etc	159	688.5	104	512.8
2721B 90	General interest publications: general articles, pictures, fiction, literature, geography, travel, history, humor, etc	36	316.4	35	216.7
2721B 00	General and consumer periodicals: receipts from single copy sales,				
27240	n.s.k.	(NA)	109.6	(NA)	156.3 4 298.5
2721C 2721C 10	General and consumer periodicals: receipts from advertising Comics	(NA) 6	5 133.5 7.6	(NA) 3	4 298.5
2721C 20	Women's, home, and fashion publications, including domestic science, child care, housekeeping, health, gardening, etc	48	1 472.4	33	1 110.4
2721C 50	General news, including weeklies and biweeklies with news of interest to the general public	55		38	608.5
2721C 60	Business news, concerning business and industry, directed to a		626.6		
2721C 70	broader readership than those in business for a living Regional, metropolitan, and city magazines	23	408.2 126.2	19 50	353.6 146.8
2.5	· · · · · · · · · · · · · · · · · · ·		.2012		

See footnotes at end of table.

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-19

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendixes. For meaning of abbreviations and symbols, see introductory text]

ompinienta									
			1992				19	87	
Product code	Product	cor sh \$	mber of npanies with ipments of 100,000 or more		Value of product shipments ¹ (million dollars)	co st	umber of mpanies with nipments of \$100,000 or more	Value of product shipments ¹ (million dollars)	
2721	PERIODICAL PUBLISHING-Con.								
2721C 2721C 80 2721C 90 2721C 00 2721D	General and consumer periodicals: receipts from advertising—Con. Special interest publications: hobby, sports, entertainment, art, photography, science, automotive, aviation, etc		268 70 (NA)		1 511.3 732.2 249.1		153 50 (NA)		1 034.1 617.7 425.3
	n.e.c. Religious: religion, theology, church bulletins, local church papers,		(NA)		689.1		(NA)		671.8
2721D 10 2721D 15 2721D 24	etc.: Receipts from subscriptions and single copy sales Receipts from advertising Magazine and comic supplements for Sunday newspapers: Receipts from sales and advertising		53 32 4		242.2 51.1 1.6		41 26 3		207.9 41.0 (D)
2721D 31 2721D 33 2721D 35 2721D 00	Periodicals, n.e.c., except shopping news, catalogs, or directories: Receipts from subscriptions Receipts from single copy sales Receipts from advertising Other periodicals, except shopping news, catalogs, or directories,		47 18 64		169.8 37.0 108.3		39 17 43		142.1 27.3 106.9
27210	n.e.c., n.s.k.		(NA)		79.0 3 141.8		(NA)		(D)
27210 27210 00 27210 02	Periodical publishing, n.s.k. Periodical publishing, n.s.k. ⁴ Periodical publishing, n.s.k. ⁵		(NA) (NA) (NA)		3 141.8 2 709.7 432.0		(NA) (NA) (NA)		3 182.4 2 509.2 673.2
			1992				19	87	
Product code	Product	Number of companies with shipments of	Prod	luct sh	nipments ¹ Value	Number of companies with shipments of		Product sh	pments ¹ Value
		\$100,000 or more	Quan	ntity ²	(million dollars)	\$100,000 or more	c	Quantity ²	(million dollars)
2731	BOOK PUBLISHING								
27311	Total Textbooks, including teachers' editions ⁶	(NA) (NA)		(X) (X)	14 785.6 3 873.7	(NA) (NA)		(X) (X)	11 629.9 2 953.5
27311 11 27311 12	Elementary textbooks (grades K through 8): Hardbound, including teachers' editions mil units Paperbound, including teachers' editions mil units	29 27		53.3 27.1	656.8 206.5	24 28		(S) *35.8	512.4 171.4
27311 13 27311 14	High school textbooks (grades 9 through 12): Hardbound, including teachers' editions mil units Paperbound, including teachers' editions mil units College textbooks, grade 13 and up, for post high	18 25		18.9 14.7	428.8 178.0	18 18		**19.8 (S)	318.7 55.0
27311 15 27311 16	schöol level courses: Hardbound mil units Paperbound mil units Workbooks, textbook-related objective tests, manuals,	47 56	**2	49.9 (S)	1 117.5 383.0	43 37		(S) *16.8	734.5 213.9
27311 21 27311 23 27311 25 27311 31	etc., paperbound: Elementary (grades K through 8) mil units High school (grades 9 through 12) mil units College mil units Standardized tests, including both tests and answer	38 19 23		46.9 *9.3 (S)	279.5 84.1 141.6	36 17 22		*62.7 **10.8 **6.2	231.6 63.3 44.9
27311 00	sheets, paperbound mil units mil units Textbooks, including teachers' editions, n.s.k	17 (NA)	**1	14.0 (X)	211.0 187.1	15 (NA)		(S) (X)	104.0 503.9
27313	Technical, scientific, and professional books ⁶ Law books, including supplements (designed for the profession):	(NA)		(X)	2 487.9	(NA)		(X)	1 827.5
27313 15 27313 17	Hardbound mil units Paperbound mil units Medical books, including dental subjects (designed for the profession):	36 25		14.0 10.3	837.5 269.9	21 15		*13.8 5.5	565.6 149.2
27313 25 27313 27	Hardbound mil units Paperbound mil units Business books (nonfiction for readers in the profession):	34 21	**1 **	10.8 *3.6	373.3 89.2	32 16		(S) (S)	229.6 24.7
27313 35 27313 37	Hardbound mil units_ Paperbound mil units_ Other technical, scientific, and professional books:	26 30		(S) (S)	99.6 179.1	30 24		(S) *9.2	158.0 86.4
27313 45 27313 47 27313 00	Hardbound mil units Paperbound mil units Technical, scientific, and professional books, n.s.k	68 72 (NA)		(S) (S) (X)	326.8 185.6 126.9	53 59 (NA)		(S) 40.9 (X)	233.6 162.1 218.3
27314	Religious books ⁶ Bibles and testaments:	(NA)		(X)	730.2	(NA)		(X)	492.1
27314 11 27314 13 27314 23	Hardbound, including flexible covers mil units Paperbound mil units Hymnals and devotionals, including prayer books and missals, hardbound and paperbound mil units	19 15 15		(S) *6.0 (S)	82.1 18.7 22.6	18 14 18		*8.1 10.5 (S)	62.4 34.6 21.9
	Other religious books, including subscription reference books:							x - 7	
27314 26 27314 28 27314 00	Hardbound mil units Paperbound mil units Religious books, n.s.k	36 56 (NA)	**2	23.5 (S) (X)	141.7 122.4 342.7	37 48 (NA)		(S) **44.7 (X)	198.0 107.9 67.2
2731A	Mass market paperbound books, rack-size mil units	(NA) 19		(X) (S)	916.8 916.8	(NA) 19		(X)	836.6 836.6

See footnotes at end of table.

27A-20 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendixes. For meaning of abbreviations and symbols, see introductory text]

			1992			1987	
Decident		Number of	Product s	hipments ¹	Number of	Product s	hipments ¹
Product code	Product	companies with shipments of \$100,000 or more	Quantity ²	Value (million dollars)	companies with shipments of \$100,000 or more	Quantity ²	Value (million dollars)
2731	BOOK PUBLISHING-Con.						
2731B 2731B 15 2731B 17 2731B 00	Book club books ⁶	(NA) 14 11 (NA)	(X) - (X)	745.8 745.8	(NA) (NA)	(X) (X)	650.2 650.2
2731C 2731C 73 2731C 75 2731C 00	Mail order books ⁶	(NA) 30 42 (NA)	(X) (S) **6.3 (X)	711.2 642.3 59.7 9.2	(NA) 17 25 (NA)	(X) **52.8 (S) (X)	698.1 582.6 36.8 78.7
2731D	Adult trade and juvenile books ⁶ Adult trade books whether published by trade or mass market publishers:	(NA)	(X)	2 647.3	(NA)	(X)	1 939.4
2731D 41 2731D 47	Hardbound mil units Paperbound (excluding mass market rack-size) mil units Juvenile books, fiction and nonfiction, excluding toy and coloring books:	98 104	**162.2 (S)	1 202.7 531.8	75 80	(S) (S)	866.9 466.7
2731D 51 2731D 53 2731D 00	Hardbound mil units Paperbound mil units Adult trade and juvenile books, n.s.k.	39 27 (NA)	**78.5 *46.4 (X)	369.7 108.6 434.5	25 21 (NA)	*50.7 (S) (X)	313.2 106.1 186.5
2731E 2731E 21 2731E 41 2731E 57 2731E 00	General reference books ⁶	(NA) 10 10 33 (NA)	(X) (S) **6.8 **37.0 (X)	490.9 162.3 56.9 239.2 32.5	(NA) 8 10 41 (NA)	(X) (D) 5.1 (D) (X)	510.8 (D) 53.2 (D) 20.0
2731F 2731F 13 2731F 15	Other books, excluding pamphlets ⁶ University press books: Hardbound mil units Paperbound mil units mil units	(NA) 55 45	(X) *4.4 7.6	390.4 109.5 79.7	(NA) 7 5	(X) .8 *.7	⁷ 166.8 17.4 5.7
2731F 16 2731F 17 2731F 19	Music books, hardbound and paperbound mil units Other books, n.e.c.: Hardbound mil units Paperbound mil units mil units	19 15 22	**19.6 (S) (S) (X)	94.7 58.8 35.4	19 15 29	**16.2 (S) (S)	60.8 30.0 40.9
2731F 00 2731G 2731G 43 2731G 59 2731G 00	Other books, excluding pamphlets, n.s.k Pamphlets (5 through 48 pages) ⁶ mil units Music mil units Other, including religious and text mil units Pamphlets (5 through 48 pages), n.s.k	(NA) (NA) 9 31 (NA)	(X) (X) *20.9 (S) (X)	12.3 134.8 31.3 102.6 1.0	(NA) (NA) 13 25 (NA)	(X) (X) (S) *99.4 (X)	12.0 140.7 67.0 73.7
2731H	Audio books (books recorded on audio cassettes), publishing ⁶	(NA)	(X) (X)	36.1	(NA)	(X) (X)	(8)
2731H 00 27310 27310 00	Audio books (books recorded on audio cassettes), publishingmil units Book publishing, n.s.k Book publishing n s k 4	16 (NA) (NA)	(S) (X) (X)	36.1 1 620.5 1 251.7	(NA) (NA) (NA)	(NA) (X) (X)	(⁸) 1 414.3 1 083.3
27310 02	Book publishing, n.s.k. ⁴	(NA)	(X)	368.8	(NA)	(×)	331.0
2732- —	BOOK PRINTING	(NA)	(X)	4 736.1	(NA)	(X)	3 240.9
27323	Textbooks, printing and binding Elementary and high school textbooks (grades K through 12):	(NA)	(X)	678.7	(NA)	(X)	515.7
27323 10 27323 12	Hardbound, including teachers' editions mil units Paperbound, including teachers' editions mil units College textbooks (grade 13 and up, for any post high school level courses):	21 57	(S) (S)	162.3 168.1	18 33	(NA) (NA)	123.4 123.5
27323 14 27323 16 27323 18 27323 00	Hardbound mil units Paperbound mil units Workbooks and standardized tests, all grade levels mil units Textbooks, printing and binding, n.s.k	24 62 30 (NA)	(S) (S) **131.7 (X)	140.3 150.7 47.3 10.0	27 41 24 (NA)	(NA) (NA) (NA) (X)	108.7 86.4 59.5 14.3
27324 27324 22 27324 25 27324 00	Technical, scientific, and professional books, printing and binding	(NA) 45 261 (NA)	(X) **64.7 (S) (X)	1 003.1 152.8 798.9 51.5	(NA) 50 152 (NA)	(X) (NA) (NA) (X)	589.5 192.2 376.0 21.3
27325 27325 32 27325 35 27325 00	Religious books, printing and bindingmil units Hardbound, including flexible coversmil units Paperboundmil unitsmil u	(NA) 25 69 (NA)	(X) (S) (S) (X)	207.0 76.8 89.1 41.1	(NA) 26 51 (NA)	(X) (NA) (NA) (X)	141.4 75.2 65.4 .9
27326 27326 42 27326 43	General books (trade, etc.), printing and binding Book club and mail order books: Hardbound mil units Paperbound mil units	(NA) 13 38	(X) (S) 304.8	1 126.2 128.5 81.2	(NA) 16 17	(X) (NA) (NA)	709.8 110.6 32.0
27326 44	Mass market paperbound books, rack-size, distributed predominantly to mass market outlets mil units Adult trade books, sold primarily through retail or wholesale book sellers:	28	755.5	132.2	18	(NA)	149.4
27326 45 27326 46	Hardbound mil units Paperbound mil units Juvenile books, fiction and nonfiction, including toy and coloring books:	36 62	(S) (S)	364.8 280.1	26 35	(NA) (NA)	191.1 126.8
27326 47 27326 48 27326 00	Hardbound mil units Paperbound mil units General books (trade, etc.), printing and binding, n.s.k.	(NA)	**48.8 *133.5 (X)	44.7 47.9 46.8	(NA)	(NA) (NA) (X)	45.7 40.6 13.8
Se	e footnotes at end of table.	. ,	. ,		. ,	. ,	

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-21

TIPS UPF [APS_PSB_C_BROOKS] 6/15/95 15:49:58 EPCV23 TLP:27A.BTI;59 6/12/95 18:17:44 DATA:NONE UPF:92MFFL_PUBS:27ADAT.UPF PAGE: 15 TSF:27A_92.DAT;1 6/12/95 18:18:09 UTF:27A_93.DAT;3 6/15/95 15:41:01 META:TIPS96-15483659.DAT;1 6/15/95 15:49:30

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendixes. For meaning of abbreviations and symbols, see introductory text]

Cimpinionito				-					
		1992				1987			
Product code	Product	Number of companies with shipments		hipments ¹	Number of companies with shipments		Product shipment		
		of \$100,000 or more	Q	luantity ²	Value (million dollars)	of \$100,000 or more	c	Quantity ²	Value (million dollars)
2732- —	BOOK PRINTING-Con.								
2732A 2732A 52	Other books, n.e.c., printing and binding Encyclopedias 1,000 sets Other reference books (including dictionaries, thesauruses, etc.):	(NA) 3		(X) 5.4	732.1 49.2	(NA) 5		(X) (NA)	642.6 112.1
2732A 54 2732A 55	Hardbound mil units Paperbound mil units All other books, n.e.c. (including music books, university press books, etc.):	10 42		(S) (S)	44.5 64.3	17 34		(NA) (NA)	62.0 54.1
2732A 56 2732A 57 2732A 00	Hardbound mil units Paperbound mil units Other books, n.e.c., printing and binding, n.s.k	37 98 (NA)		(S) (S) (X)	313.1 255.0 6.0	32 79 (NA)		(NA) (NA) (X)	290.2 103.2 21.1
2732B 2732B 00	Books, printing only, not boundmil units	(NA) 94		(X) **240.0	137.2 137.2	(NA) 61		(X) (NA)	120.9 120.9
2732C 2732C 00	Pamphlets, printing only or printing and binding (excluding advertising pamphlets) Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	(NA) 340		(X) (X)	313.7 313.7	(NA) 146		(X) (X)	132.3 132.3
27320 27320 00 27320 02	Book printing, n.s.k. Book printing, n.s.k. ⁹ Book printing, n.s.k. ¹⁰	(NA) (NA) (NA)		(X) (X) (X)	537.9 469.1 68.8	(NA) (NA) (NA)		(X) (X) (X)	388.8 312.2 76.7
		1992		1987					
Product code	Product	coi sh \$	umber of mpanies with hipments of 100,000 or more		Value of product shipments ¹ (million dollars)	s	umber of mpanies with hipments of \$100,000 or more		Value of product shipments ¹ (million dollars)
2741	MISCELLANEOUS PUBLISHING								
	Total		(NA)		11 567.1		(NA)		8 176.6
27416 27416 00	Telephone directories, publishing ⁶ Telephone directories		(NA) 111		4 807.5 4 807.5		(NA) 72		3 042.9 3 042.9
27417 27417 13	Catalogs and directories, except telephone directories, publishing ⁶ Directories (except telephone directories), including business reference services		(NA) 143		613.4 492.6		(NA) 105		606.4 481.5
27417 16 27417 00	Catalogs		62 (NA)		110.4 10.5		(NA) (NA)		122.3 2.7
27418 27418 13	Business service publications, publishing ⁶ Business service newsletters, excluding publications which are		(NA)		897.6		(NA)		932.0
27418 15	cumulated in looseleaf index form Other business service publications, looseleaf and hardbound, including tax, credit, regulations, indexes, etc		104 83		406.9 445.3		52 59		96.5 715.0
27418 00 27419	Business service publications, publishing, n.s.k Patterns, including clothing patterns ⁶		(NA) (NA)		45.4 214.4		(NA) (NA)		120.4 173.3
27419 00 2741A	Patterns, including clothing patterns Shopping news, publishing ⁶		`21́ (NA)		214.4 990.6		`11́ (NA)		173.3 774.4
2741A 00 2741B	Shopping news Other miscellaneous publishing ⁶		`463́ (NA)		990.6 2 216.9		`411́ (NA)		774.4 863.5
2741B 13	Cards, other than greeting cards, including picture postcards, souvenir cards, etc.		27		810.4		14		23.5
2741B 14 2741B 15	Sheet music (less than 5 pages), except music in book or pamphlet form Calendars		12 58		23.1 286.8		10 42		14.9 98.1
2741B 17 2741B 18	Multimedia kits Maps, hydrographic charts, and globe covers		29 30		67.8 169.2	12	25 28		61.7 144.8
2741B 20 2741B 23 2741B 25 2741B 27	Atlases and gazetteers Micropublishing (publishing in microfilm or microfiche format) Travel guides, in brochure or pamphlet form Posters		16 18 28 30		79.2 232.6 59.7 51.3		16 16 14		109.4 39.1 45.6
2741B 29 2741B 71	Yearbooks Other miscellaneous publications, including almanacs, racing forms, etc		8 128		78.6 285.1	<u> </u> -	(NA)		320.5
2741B 00 27410	Other miscellaneous publishing, n.s.k.		(NA) (NA)		73.2 1 826.8		(NA) (NA)		6.1 1 784.1
27410 27410 00 27410 02	Miscellaneous publishing, n.s.k Miscellaneous publishing, n.s.k. ⁹ Miscellaneous publishing, n.s.k. ¹⁰		(NA) (NA) (NA)		1 523.6 303.2		(NA) (NA) (NA)		1 620.2 163.9

¹Data reported by all producers, not just those with receipts of \$100,000 or more. ²For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: *10 to 19 percent estimated; **20 to 29 percent estimated. If 30 percent or more is ³includes paid, free, bulk, etc. Issue is the sum of all editions published on a given day in the case of establishments publishing newspapers on a combined frequency-of-issue basis (morning and Sunday, evening and Sunday, etc.). Separate average circulation figures were computed for morning editions, evening editions, and Sunday editions. ⁴Typically for establishments with 5 employees or more. ⁵Typically for establishments with less than 5 employees. ⁶Data for this product class represent value of receipts rather than value of shipments. ⁷For 1987, data for 2731H 00 were included. ⁸For 1987, data were included in product class 2731F.

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⁹Typically for establishments with 10 employees or more. ¹⁰Typically for establishments with less than 10 employees.

Table 6b. Product Classes—Value of Shipments by All Producers for Specified States: 1992 and 1987

[Million dollars. Product classes shown are those where the data are geographically dispersed, provided dispersion is not approximated by data in table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some States are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1992. For meaning of abbreviations and symbols, see introductory text]

Product class and geographic area	1992 value of product shipments	1987 value of product shipments	Product class and geographic area	1992 value of product shipments	1987 value of product shipments
27111, DAILY AND SUNDAY NEWSPAPERS: RECEIPTS FROM SUBSCRIPTIONS AND SALES			27112, DAILY AND SUNDAY NEWSPAPERS: RECEIPTS FROM ADVERTISING-Con.		
SALLS			Louisiana	208.1	225.4
United States	6 541.6	5 212.0	Maine Maryland	66.3 251.8	77.5 298.3
Alabama	58.7	47.9	Massachusetts	634.9	803.9
Alaska	4.4	5.1	Michigan	576.2	572.2
ArizonaArizonaArkansas	119.6 33.8	72.9	Minnesota	283.5	289.9
California	730.3	546.2	Mississippi Missouri	83.0 340.3	76.3
Calavada	70.0	50.4	Montana	42.7	42.3
ColoradoConnecticut	76.3	58.4	Nebraska	112.2	98.8
Florida	325.7	235.1	New Hampshire	57.6	67.5
Georgia Idaho	130.8	91.8	New Jersey	636.2	737.9
	20.0	15.9	New Mexico New York	71.1	87.0 2 261.7
Illinois	373.7	287.5	North Carolina	412.8	391.2
Indiana lowa	140.2 94.3	112.0 77.3	North Dakota	38.4	35.5
Kansas	41.6	32.7	Ohio	813.2	781.5
Kentucky	71.2	38.7	Oklahoma	191.1	185.3
Louisiana	63.9	52.2	Oregon Pennsylvania	206.3 985.9	174.5 987.0
Maine	35.8	26.8			
Maryland Massachusetts	94.5	70.8 210.8	South Carolina South Dakota	172.7	173.1 26.2
Massachuseus	249.6 216.8	170.8	Tennessee	267.3	298.3
•			Texas Utah	1 327.5	1 292.9 33.4
Minnesota Mississippi	112.4	92.0 22.7			
Missouri	145.6	99.7	Vermont	29.8	31.5 473.2
Montana	23.1	17.6	Virginia Washington	448.6	383.0
Nebraska	38.4	28.7	West Virginia	73.9	78.1
New Hampshire	22.0	15.8	Wisconsin	295.0 18.3	273.2
New Jersey New Mexico	182.0 31.8	137.6 23.9	Wyoming	10.5	10.2
New York	687.7	637.6	27113, WEEKLY AND OTHER NEWSPAPERS:		
North Carolina	117.9	84.0	RECEIPTS FROM SUBSCRIPTIONS AND		
North Dakota	20.3	14.1	SALES		
Ohio	294.6	250.6	United States	645.5	573.0
Oklahoma	59.1	43.6			
Oregon Pennsylvania	76.7	54.7 315.3	AlabamaAlabama	3.0	2.4
			California	25.9	29.7
South Carolina South Dakota	51.3	37.4	Colorado	2.8	2.6
Tennessee	103.5	93.9	Connecticut	7.8	17.9
Texas	285.5	238.2	District of Columbia	14.5	9.4
Utah	37.9	10.4	Georgia	5.6	2.1
Vermont	15.3	12.8	Indiana	5.7	8.5
Virginia Washington	300.8 125.6	229.1 101.4	lowa	6.8	3.0
West Virginia	30.6	25.8	Kansas	8.0	2.1
Wisconsin	140.1	115.0	Kentucky	6.5	17.9
Wyoming	6.8	5.5	Louisiana Maine	4.0	(NA) 3.7
27442 DALLY AND SUNDAY NEWSDADEDS.			Maryland	3.4	3.5
27112, DAILY AND SUNDAY NEWSPAPERS: RECEIPTS FROM ADVERTISING			Massachusetts	24.7	18.9
RECEILING TROM ADVERTISING			Michigan	24.7	7.7
United States	20 123.8	20 176.2		9.7	6.2
Alabama	178.9	182.3	Mississippi Missouri	2.7	(NA) 3.3
Alaska	14.4	19.1			
ArizonaArkansas	366.6 92.1	366.3	New Jersey New York	16.5 136.3	27.2 132.6
California	2 975.1	2 790.6	North Carolina	7.6	7.9
			Ohio	13.7	12.9
Colorado Connecticut	323.4 289.4	311.3 346.5	Oklahoma	3.8	(NA)
Florida	1 438.4	1 387.1	Oregon	8.2	6.3
Georgia	404.7	438.7	Pennsylvania	13.5	21.1
Idaho	53.7	40.6	Rhode Island South Carolina	2.4	(NA) 3.1
Illinois	1 010.6	945.3	Tennessee	9.5	4.3
Indiana	350.3 172.4	333.9 157.6	Texas Virginia	21.2 31.3	26.2 15.9
				1 31.3	1 15.9
lowa Kansas	106.7	98.9		8.2 11.6	9.9 13.0

See footnotes at end of table.

MANUFACTURES—INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-23

Table 6b. Product Classes—Value of Shipments by All Producers for Specified States: 1992 and 1987—Con.

[Million dollars. Product classes shown are those where the data are geographically dispersed, provided dispersion is not approximated by data in table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some States are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1992. For meaning of abbreviations and symbols, see introductory text]

Product class and geographic area	1992 value of	1987 value of product shipments	Product class and geographic area	1992 value of product shipments	1987 value of product shipments
27114, WEEKLY AND OTHER NEWSPAPERS: RECEIPTS FROM ADVERTISING United States	2 108.3	1 687.5	27213, SPECIALIZED BUSINESS AND PROFESSIONAL PERIODICALS: RECEIPTS FROM SUBSCRIPTIONS AND SINGLE COPY SALES-Con.		<u>·</u> · · ·
Alabama Arizona Arkansas California Colorado	19.4 48.8 11.7 221.9 20.1	11.6 17.9 8.0 201.4 22.8	New Jersey New York North Carolina Ohio Oregon	132.4 829.2 12.1 30.7 2.4	62.0 357.6 4.9 20.3 (NA)
Connecticut Delaware District of Columbia Florida Georgia	56.3 5.1 20.1 88.1 44.1	40.9 (NA) 13.4 78.2 42.2	Pennsylvania Tennessee Texas Vermont Virginia	153.3 7.6 52.8 6.8 43.4	100.8 (NA) 31.5 (NA) 22.1
Idaho Illinois Indiana Iowa Kansas	5.8 127.0 25.4 28.1 13.3	2.7 112.9 20.6 13.1 9.1	Washington Wisconsin 27214, SPECIALIZED BUSINESS AND PROFESSIONAL PERIODICALS: RECEIPTS	4.9 7.1	(NA) 7.0
Kentucky Louisiana Maine	24.7 12.7 13.0	26.5 15.4 9.3	FROM ADVERTISING United States	3 717.4	2 614.5
Maryland Massachusetts Michigan	54.6 84.2 91.5	49.3 72.8 60.4 24.5	Alabama Arizona	5.3 11.6 312.6 33.4 104.7	(NA) 6.0 247.9 11.4 59.1
Minnesota	53.3 17.9 44.9 10.6	13.0 64.8 9.4	District of Columbia	69.3 53.9 42.9 338.2	24.5 26.2 43.9 286.4
Nevada New Hampshire New Jersey New Mexico New York	6.6 12.3 102.9 7.7 240.2	(NA) 19.8 88.7 2.5 187.4	Iminos Indiana Kansas Maine Maryland	530.2 22.6 52.0 9.1 25.0	230.4 5.9 33.6 (NA) 9.1
North Carolina North Dakota Ohio Oklahoma	36.1 5.0 68.9 9.9	39.9 (NA) 50.9 7.8	Massachusetts Michigan Minnesota Missouri	160.0 77.2 93.5 29.6	129.8 15.4 (NA) 22.9
Oregon Pennsylvania Rhode Island South Carolina	29.1 94.1 8.2 25.0	21.4 78.4 6.2 13.9	New Hampshire New Jersey New York North Carolina	53.6 357.0 1 233.4 13.7	44.5 196.8 912.3 15.9
South Dakota Tennessee Texas Utah	3.5 41.5 77.8 4.5	(NA) 23.9 53.8 4.5	Ohio Oregon Pennsylvania Tennessee	206.0 21.9 122.6 22.2	139.4 (NA) 118.8 6.5
Vermont		5.8 56.7 22.6 2.6 38.5	Texas	48.8 34.3 17.6 30.5	42.1 10.2 2.6 13.3
27211, FARM PERIODICALS: RECEIPTS FROM SUBSCRIPTIONS, SALES, AND ADVERTISING			2721A, GENERAL AND CONSUMER PERIODICALS: RECEIPTS FROM SUBSCRIPTIONS United States	3 621.0	2 749.2
United States	199.9 2.9	183.5 7.6	California Colorado Connecticut	193.5 9.9 45.5	125.5 4.0 34.9
Florida lowa Kansas Minnesota	2.5 18.4 20.3 8.1	(NA) 18.5 (NA) (NA)	Florida Georgia Illinois Kansas	32.7 7.5 168.5 5.5	17.5 (NA) 106.6 (NA)
Missouri New York Texas Wisconsin	5.7 12.8 3.0 33.4	5.2 (NA) 2.4 30.3	Maryland Massachusetts Minnesota New Hampshire	5.1 34.4 10.3 16.1	(NA) 24.3 (NA) (NA)
27213, SPECIALIZED BUSINESS AND PROFESSIONAL PERIODICALS: RECEIPTS FROM SUBSCRIPTIONS AND SINGLE COPY SALES	0.507.0	4 497 4	New Jersey New York North Carolina Ohio Texas Virginia Wisconsin	13.0 1 874.3 22.7 16.8 37.4 19.8 94.4	9.4 1 502.1 (NA) 13.2 18.3 2.3 10.5
United States Arizona California Colorado Connecticut District of Columbia	2 527.3 8.8 168.2 11.9 45.8 396.2	1 427.1 3.4 63.6 4.3 10.3 126.4	2721B, GENERAL AND CONSUMER PERIODICALS: RECEIPTS FROM SINGLE COPY SALES		
Florida Georgia Illinois Indiana Kansas	6.9 66.0 227.1 7.5 6.3	20.2 25.6 (NA) (NA) 3.6	United States Arizona California Colorado Connecticut District of Columbia	1 860.5 3.3 166.9 4.2 22.0 8.5	1 365.0 (NA) 125.4 3.6 (NA) 8.4
Maryland Massachusetts Michigan Minnesota Missouri	60.2 83.1 30.3 33.8 35.0	40.4 84.5 3.4 17.0	Florida Illinois Maryland Massachusetts Michigan	61.7 81.0 4.6 10.1	(NA) 65.9 (NA) 10.5 2.1

See footnotes at end of table.

27A-24 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

Table 6b. Product Classes—Value of Shipments by All Producers for Specified States: 1992 and 1987—Con.

[Million dollars. Product classes shown are those where the data are geographically dispersed, provided dispersion is not approximated by data in table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some States are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1992. For meaning of abbreviations and symbols, see introductory text]

Product class and geographic area	1992 value of product shipments	1987 value of product shipments	Product class and geographic area	1992 value of product shipments	1987 value of product shipments
2721B, GENERAL AND CONSUMER PERIODICALS: RECEIPTS FROM SINGLE			27313, TECHNICAL, SCIENTIFIC, AND PROFESSIONAL BOOKS		
COPY SALES-Con.			United States	2 487.9	1 827.5
Minnesota	4.5	(NA)	Arizona	3.0	(NA)
Missouri New Jersey	6.4 29.3	(NA) (NA)	California	154.6	110.5
New York	1 058.6	853.4	Connecticut	43.8	54.5
North Carolina	3.4	(NA)	District of Columbia Florida	7.6	5.4 20.0
Ohio	2.8	(NA)			
Tennessee	6.0	(NA)	Illinois Marvland	38.7	113.4
Virginia	17.7	(NA)	Maryland	69.8 115.3	24.4 94.1
WashingtonWisconsin	5.6 15.3	(NA) 4.5	Michigan	11.7	(NA)
	10.0	4.0	New Jersey	176.3	184.5
2721C, GENERAL AND CONSUMER			New York	768.9	559.4
PERIODICALS: RECEIPTS FROM			Ohio	80.7	76.3
ADVERTISING			Pennsylvania Texas	236.5	148.0 5.6
United States	E 400 E	4 200 F	Washington	5.7	3.2
United States	5 133.5	4 298.5	Wisconsin	6.2	(NA)
Arizona	8.8	4.9			
Arkansas California	2.0 489.0	3.1 327.3	27314, RELIGIOUS BOOKS		
Colorado	14.9	5.4	United States	730.2	492.1
Connecticut	108.5	60.8		730.2	492.1
Florida	64.8	18.5	Illinois	54.8	36.8
Georgia	48.6	31.1	Indiana Missouri	9.1 20.3	5.5 21.3
Hawaii	15.8	13.1	New Jersey	43.6	21.3
Illinois	145.6	156.0	New York	46.2	69.9
Indiana	3.5	(NA)	Oregon	30.3	13.2 28.4
Kansas	4.2	2.8	Pennsylvania	12.1	28.4
Maryland Massachusetts	13.1	6.3 31.7			
Michigan	19.9	35.0	2731A, MASS MARKET PAPERBOUND BOOKS, RACK-SIZE		
Minnesota	16.9	7.7			
Missouri	16.9	17.7	United States	916.8	836.6
New Hampshire		(NA)	New York	902.7	829.5
New Jersey	39.7	16.3		002.1	020.0
New Mexico New York	3.4 3 209.1	(NA) 2 895.8	2731B, BOOK CLUB BOOKS		
North Carolina	32.2	14.4	United States	745.8	650.2
Ohio Oklahoma	25.3 2.8	25.0 (NA)	California	8.5	(NA)
Oregon	9.0	2.9	New York	643.9	(NA) (NA)
Tennessee	3.0	(NA)			
Texas	29.6	27.4	2731C, MAIL ORDER BOOKS		
Vermont	11.9	(NA)	United States	711.2	698.1
Virginia	13.9	3.5	United States	/11.2	090.1
Washington	6.8	5.7	California	18.9	16.8
Wisconsin	38.7	10.9	Connecticut	6.0 8.6	(NA) (NA)
2721D, OTHER PERIODICALS, EXCEPT SHOPPING NEWS, CATALOGS, OR DIRECTORIES, N.E.C.			2731D, ADULT TRADE AND JUVENILE BOOKS		(,
United States	689.1	671.8	United States	2 647.3	1 939.4
Colifornia	00.0	45.5	California	177.3	119.3
California District of Columbia	80.2	15.5 (NA)	Colorado	5.2	(NA)
Florida	17.8	26.0	Connecticut	31.3	3.6
Illinois	64.6	69.1	Illinois Massachusetts	131.4	26.4 94.3
Kentucky	3.4	(NA)			
Maryland	38.0	(NA)	New Jersey	119.6	45.9
Massachusetts	24.7	(NA)	New York Pennsvlvania	1 699.6 45.4	1 396.2 11.1
Michigan Minnesota	7.3	6.4	Texas	11.4	2.3
Minnesota		/////		1 1.7	
	16.0	(NA) 33.4	Vermont	6.7	(NA)
	16.0 40.5	(NA) 33.4			(NA) (NA)
New Jersey	40.5	33.4 10.3	Vermont Wisconsin	6.7	(NA) (NA)
New Jersey New York	40.5 13.6 70.9	33.4 10.3 193.3	Vermont	6.7	(NA) (NA)
New Jersey	40.5	33.4 10.3 193.3 66.4 (NA)	Vermont Wisconsin	6.7	(NA) (NA) 510.8
New Jersey New York Ohio Oregon Pennsylvania	40.5 13.6 70.9 71.5 2.2 7.5	33.4 10.3 193.3 66.4 (NA) 26.8	Vermont Wisconsin 2731E, GENERAL REFERENCE BOOKS United States	6.7 29.9 490.9	(NA) 510.8
New Jersey New York Ohio Oregon Pennsylvania Tennessee	40.5 13.6 70.9 71.5 2.2 7.5 100.5	33.4 10.3 193.3 66.4 (NA) 26.8 84.0	Vermont Wisconsin 2731E, GENERAL REFERENCE BOOKS United States New York	6.7 29.9 490.9 71.0	(NA) 510.8 35.3
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3	Vermont Wisconsin 2731E, GENERAL REFERENCE BOOKS United States	6.7 29.9 490.9	(NA) 510.8
New Jersey New York Ohio Oregon Pennsylvania Tennessee Texas Virginia	40.5 13.6 70.9 71.5 2.2 7.5 100.5	33.4 10.3 193.3 66.4 (NA) 26.8 84.0	Vermont Wisconsin 2731E, GENERAL REFERENCE BOOKS United States New York Texas	6.7 29.9 490.9 71.0	(NA) 510.8 35.3
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1	Vermont Wisconsin 2731E, GENERAL REFERENCE BOOKS United States New York Texas 2731F, OTHER BOOKS, EXCLUDING PAMPHLETS	6.7 29.9 490.9 71.0 5.6	(NA) 510.8 35.3 (NA)
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1	Vermont	6.7 29.9 490.9 71.0	(NA) 510.8 35.3
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7	(NA) 510.8 35.3 (NA) (NA) (NA)
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5 5.7 3 873.7	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2 953.5	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3	(NA) 510.8 35.3 (NA) (NA) (NA)
New Jersey New York Ohio Pennsylvania Tennessee Texas Virginia Virginia Wisconsin 27311, TEXTBOOKS, INCLUDING TEACHERS' EDITIONS United States California	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5 5.7 3 873.7 344.4	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2 953.5 218.9	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3 30.3	(NA) 510.8 35.3 (NA) (NA) (NA) (NA) (NA)
New Jersey	40.5 13.6 70.9 71.5 100.5 14.3 4.5 5.7 3 873.7 344.4 391.4 618.6	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2 953.5 218.9 435.6 504.6	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3	(NA) 510.8 35.3 (NA) (NA) (NA) (NA)
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5 5.7 3 873.7 3 47.4 391.4 618.6 114.6	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2 953.5 218.9 435.6 504.6 (NA)	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3 30.3 7.5 29.5	(NA) 510.8 35.3 (NA) (NA) (NA) (NA) (NA) (NA) (NA)
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5 5.7 3 873.7 3 873.7 3 44.4 391.4 618.6 114.6 677.9	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2 953.5 218.9 435.6 504.6 504.6 (NA) 946.2	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3 30.3 7.5 29.5 100.2	(NA) 510.8 35.3 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)
New Jersey New York Ohio	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5 5.7 3 873.7 3 47.4 391.4 618.6 114.6 677.9 13.9 13.9	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2 953.5 218.9 435.6 504.6 (NA)	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3 30.3 7.5 29.5	(NA) 510.8 35.3 (NA) (NA) (NA) (NA) (NA) (NA) (NA)
New Jersey	40.5 13.6 70.9 71.5 2.2 7.5 100.5 14.3 4.5 5.7 3 873.7 3 873.7 3 44.4 391.4 618.6 114.6 677.9	33.4 10.3 193.3 66.4 (NA) 26.8 84.0 4.3 4.1 (NA) 2953.5 218.9 435.6 504.6 504.6 504.6 (NA) 946.2 (NA) 234.3 (NA)	Vermont	6.7 29.9 490.9 71.0 5.6 390.4 13.7 34.3 30.3 3.3 3.5 29.5 100.2 3.5	(NA) 510.8 35.3 (NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)

See footnotes at end of table.

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-25

Table 6b. Product Classes—Value of Shipments by All Producers for Specified States: 1992 and 1987—Con.

[Million dollars. Product classes shown are those where the data are geographically dispersed, provided dispersion is not approximated by data in table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some States are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1992. For meaning of abbreviations and symbols, see introductory text]

Product class and geographic area	1992 value of product shipments	1987 value of product shipments	Product class and geographic area	1992 value of product shipments	1987 value of product shipments
2731G, PAMPHLETS (5 THROUGH 48 PAGES)			2732A, OTHER BOOKS, N.E.C., PRINTING AND BINDING		
United States	134.8	140.7			
California		(NA)	United States	732.1	642.6
Illinois Missouri		(NA) (NA)	Alahama	3.2	(NIA)
Texas	6.5	(NA)	Alabama California	6.1	(NA (NA
2731H, AUDIO BOOKS (BOOKS RECORDED			Colorado Florida	3.3	(NA) (NA
ON AUDIO CASSETTES), PUBLISHING			Illinois	12.7	6.5
United States	36.1	(NA)	Indiana	50.0	(514
			Indiana Iowa	58.6 13.2	(NA (NA
27323, TEXTBOOKS, PRINTING AND			Massachusetts Minnesota	60.5 2.8	(NA 3.2
BINDING			New York	9.1	14.7
United States	678.7	515.7			
California	20.1	12.4	Ohio Pennsylvania	23.7 85.7	(NA 79.2
Colorado	3.0	(NA)	Rhode Island	11.3	(NA (NA
Illinois Maryland		11.9 17.3	Virginia Wisconsin	5.6	
Massachusetts		(NA)			
Michigan		52.8	2732B, BOOKS, PRINTING ONLY, NOT		
New YorkNorth Carolina		27.6 (NA)	BOUND		
Ohio	76.0	57.5	United States	407.0	400
Oklahoma Pennsylvania		(NA) 10.8	United States	137.2	120.9
Texas	23.6	(NA)	California	8.5	3.2
Wisconsin	110.1	101.1	Illinois	9.1	5.5
27324, TECHNICAL, SCIENTIFIC, AND			lowa Maryland	4.3	(NA 10.8
PROFESSIONAL BOOKS, PRINTING AND			Michigan	2.1	(NA
BINDING			Minutesta		() ()
United States	1 003.1	589.5	Minnesota New York	2.5	(NA) 7.1
Arizona	4.0	(NA)	Ohio	2.3	6.6
Arkansas	3.5	(NA)	Pennsylvania Texas	19.9	(NA (NA
CaliforniaColorado		47.9 (NA)	Virginia	3.7	(NA
Connecticut		(NA)	Washington	2.1	(NA)
District of Columbia	3.9	(NA)			
Florida	8.7	(NA) 26.0	2732C, PAMPHLETS, PRINTING ONLY OR PRINTING AND BINDING (EXCLUDING		
Illinois lowa		(NA)	ADVERTISING PAMPHLETS)		
Kansas	2.1	(NA)			
Maryland		45.8	United States	313.7	132.3
Massachusetts		51.6 43.0	Alabama	2.3	(NA
Minnesota	8.0	10.0	California	27.9	4.4
Missouri	17.3	25.0	Colorado Connecticut	2.6	(NA) (NA
New Jersey New York	9.5 28.8	3.4 36.6	District of Columbia	3.0	(NA
Ohio	36.3	19.8			
Oregon Pennsylvania	114.3	(NA) 59.9	Florida Georgia	7.2	(NA (NA
Texas	40.1	9.9	Illinois	42.7	5.5
Utah Virginia		18.9 24.3	Indiana	13.1	(NA (NA
Wisconsin		(NA)			
			Kansas	3.0	(NA
27325, RELIGIOUS BOOKS, PRINTING AND			Maryland Massachusetts	20.2	5.5
BINDING			Michigan	6.3	5.3
United States	207.0	141.4	Minnesota	12.2	7.3
California		(NA)	Missouri	9.8	(NA
Illinois Maryland		7.3 (NA)	New Jersey New York	12.3 29.4	21.4
Michigan	21.5	13.4	North Carolina	8.0	5.4
Minnesota Missouri		(NA) (NA)	Ohio	9.0	2.8
New Jersey	2.3	(NA)	Pennsylvania	7.1	10.5
Texas Wisconsin		4.5 (NA)	South Carolina Tennessee	3.2	(NA
			Texas	5.6 10.7	(NA 5.2
27326, GENERAL BOOKS (TRADE, ETC.),			Utah	16.2 8.0	(NA) 6.4
PRINTING AND BINDING			Virginia Wisconsin	9.5	(NA
United States	1 126.2	709.8			
California		12.8	27416, TELEPHONE DIRECTORIES,		
Colorado Illinois		(NA) 29.0	PUBLISHING		
Maryland Massachusetts	27.6	(NA)	United States	4 807.5	3 042.9
	9.6	28.5			
Michigan		9.1	Florida	18.9	
Michigan New York Oregon	75.7	9.1 68.8 (NA)	New Jersey New York	18.9 8.5 86.1	(NA 43.4
Michigan New York	75.7 5.1 134.1	68.8	New Jersey New York	8.5	6.3 (NA 43.4 (NA (NA

See footnotes at end of table.

27A-26 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

Table 6b. Product Classes—Value of Shipments by All Producers for Specified States: 1992 and 1987—Con.

[Million dollars. Product classes shown are those where the data are geographically dispersed, provided dispersion is not approximated by data in table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some States are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1992. For meaning of abbreviations and symbols, see introductory text]

Product class and geographic area	1992 value of				
	product shipments	1987 value of product shipments	Product class and geographic area	1992 value of product shipments	1987 value of product shipments
			2741A, SHOPPING NEWS, PUBLISHING-Con.		
EXCEPT TELEPHONE DIRECTORIES,			274TA, SHOFFING NEWS, FUBLISHING-COII.		
PUBLISHING			Florida	83.4	72.2
			Georgia	6.6	10.4
United States	613.4	606.4	Idaho	3.9	(NA)
			Illinois	37.3	39.3
California		32.2	Indiana	7.3	12.5
Colorado		(NA)	lowa	17.9	33.6
Connecticut		5.1	Kansas	6.3	6.0
Florida		12.5	Kentucky	10.1	8.0
		12.5	Louisiana	5.6	9.1
Georgia		6.8	Maine	3.4	(NA)
Ilinois		19.6			
Kansas		36.4	Maryland	18.1	8.3
Maryland	. 2.5	(NA)	Massachusetts	14.7	12.5 31.4
Michigan	. 14.6	25.0	Michigan	27.2	22.6
Missouri	4.3	(NA)	Minnesota	13.8	7.9
New York		291.4	101330011	10.0	1.5
Ohio		24.6	Montana	4.2	(NA)
Pennsylvania	. 21.7	13.8	Nebraska	5.6	2.7
Tennessee		(NA)	New Hampshire	2.1	(NA)
Texas		(NA)	New Jersey	30.0	15.8
/irginia		(NA)	New York	158.8	106.8
Nashington	. 2.8	(NA)	North Carolina	23.6	10.0
Nisconšin	2.0	2.6	North Carolina	3.6	18.9 (NA)
			North Dakota Ohio	41.5	13.4
27418, BUSINESS SERVICE PUBLICATIONS,			Oregon	11.3	19.9
PUBLISHING			Pennsylvania	23.3	25.2
Helita d Otata a	007.0	000.0		20.0	-
United States	. 897.6	932.0	South Carolina	2.9	4.3
California	. 59.2	101.1	Tennessee	18.9	9.5
Connecticut		(NA)	Texas	60.1	25.6
District of Columbia		27.9	Virginia	8.3	4.1
Florida		18.5	Washington	28.8	10.6
llinois		26.1	West Virginia	4.4	5.2 28.2
Manuface d	00.0	40.0	Wisconsin	58.2	28.2
Maryland	29.8 16.8	10.9 28.9			
Massachusetts Michigan		(NA)	2741B, OTHER MISCELLANEOUS		
New Jersey		90.0	PUBLISHING		
New York		458.9			
			United States	2 216.9	863.5
Ohio		13.2	California	202.4	97.1
Pennsylvania		(NA)	California Colorado	392.4 201.8	53.6
Texas		(NA)		35.4	21.3
Virginia		(NA)	Florida	25.3	30.8
Washington		(NA) (NA)	Georgia	3.7	(NA)
Wisconsin	. Z.1	(NA)			. ,
			Illinois	84.7	145.2
27419, PATTERNS, INCLUDING CLOTHING			Indiana	8.9	3.3
PATTERNS			Massachusetts	44.4	30.7
United Otatan		470.0	Michigan	124.3	68.8
United States	. 214.4	173.3	Minnesota	25.0	23.9
			Miccouri	26.2	26.4
	1		Missouri	36.3 37.4	26.4 (NA)
2741A, SHOPPING NEWS, PUBLISHING			New York		547
2741A, SHOPPING NEWS, PUBLISHING	9 0 6	774 4	New York	121.9	59.2 67
	. 990.6	774.4	North Carolina	121.9 9.6	6.7
2741A, SHOPPING NEWS, PUBLISHING		774.4 2.7		121.9	6.7
2741A, SHOPPING NEWS, PUBLISHING United States	. 3.2		North Carolina	121.9 9.6	6.7 7.9 (NA)
2741A, SHOPPING NEWS, PUBLISHING United States	3.2 13.2	2.7	North Carolina Ohio	121.9 9.6 45.9	6.7 7.9
2741A, SHOPPING NEWS, PUBLISHING United States Alabama Arizona	- 3.2 - 13.2 - 2.7	2.7 9.4	North Carolina Ohio Tennessee	121.9 9.6 45.9 48.4	6.7 7.9 (NA)
2741A, SHOPPING NEWS, PUBLISHING United States Alabama Arizona	3.2 13.2 2.7 104.2	2.7 9.4 4.7	North Carolina Ohio Tennessee Texas	121.9 9.6 45.9 48.4 110.3	6.7 7.9 (NA) 51.7

Note: For qualifications of data, see footnotes on table 6a.

Table 6c. Historical Statistics for Product Classes—Value Shipped by All Producers: 1992 and Earlier Years

[Million dollars. For meaning of abbreviations and symbols, see introductory text]

Product code	Product class	1992	1991 ¹	1990 ¹	1989 ¹	1988 ¹	1987	1982	1977
2711- 27111	Newspapers Daily and Sunday newspapers: receipts from subscriptions and	32 261.5	31 860.0	32 817.6	32 457.0	31 461.0	30 494.7	20 313.7	12 468.1
27112 27113	sales Daily and Sunday newspapers: receipts from advertising Weekly and other newspapers: receipts from subscriptions and	6 541.6 20 123.8	6 316.3 20 221.1	5 928.6 21 591.1	5 704.5 21 583.7	5 458.3 20 806.1	5 212.0 20 176.2	3 922.5 13 233.2	2 561.1 8 140.5
27114 27110	sales	645.5 2 108.3 2 842.4	738.2 1 783.8 2 800.6	656.2 1 887.5 2 754.3	640.1 1 832.2 2 696.6	587.4 1 745.1 2 864.2	573.0 1 687.5 2 845.9	429.6 1 106.9 1 621.5	240.6 734.5 791.4

See footnotes at end of table.

MANUFACTURES-INDUSTRY SERIES

NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB. 27A-27

Table 6c. Historical Statistics for Product Classes-Value Shipped by All Producers: 1992 and Earlier Years-Con.

[Million dollars. For meaning of abbreviations and symbols, see introductory text]

Product code	Product class	1992	1991 ¹	1990 ¹	1989 ¹	1988¹	1987	1982	1977
2721- 27211	Periodical publishing Farm periodicals: receipts from subscriptions, sales, and	20 890.3	19 424.0	19 255.5	18 747.9	17 663.5	16 492.1	10 625.8	5 528.8
	advertising	199.9	237.8	228.8	204.1	184.4	183.5	246.9	107.5
27213	Specialized business and professional periodicals: receipts from subscriptions and single copy sales	2 527.3	2 154.2	2 147.6	2 036.0	1 585.2	1 427.1	952.8	464.2
27214	Specialized business and professional periodicals: receipts from advertising	3 717.4	3 215.0	3 035.5	2 882.8	2 853.3	2 614.5	1 647.5	850.2
2721A	General and consumer periodicals: receipts from subscriptions	3 621.0	3 216.1	3 188.1	2 998.8	2 806.3	2 749.2	1 596.6	7
2721B	General and consumer periodicals: receipts from single copy sales	1 860.5	1 472.0	1 464.6	1 575.3	1 407.8	1 365.0	963.8	- 1 685.7
2721C 2721D	General and consumer periodicals: receipts from advertising	5 133.5	4 895.4	4 971.7	4 906.0	4 688.6	4 298.5	3 161.8	1 595.5
	Other periodicals, except shopping news, catalogs, or directories, n.e.c.	689.1	644.3	714.7	698.0	713.6	671.8	509.8	250.7
27210	Periodical publishing, n.s.k.	3 141.8	3 589.3	3 504.5	3 446.8	3 424.3	3 182.4	1 546.6	575.0
2731- 27313 27313 27314 2731A 2731B 2731B 2731C 2731C 2731C 2731G 2731G 2731G 2731G 2731G 2731H 27310 2732- 27324 27325 27326	Book publishing Textbooks, including teachers' editions Technical, scientific, and professional books Religious books Mass market paperbound books, rack-size Book club books Mail order books Adult trade and juvenile books General reference books Other books ecolding pamphlets ² Pamphlets (5 through 48 pages) Adult schooks kecorded on audio cassettes), publishing ² Book publishing , n.s.k. Book publishing and binding Textbooks, sprinting and binding General books, printing and binding General books (trade, etc.), printing and binding General books, track, contraing and binding	14 785.6 3 873.7 2 487.9 730.2 916.8 745.8 711.2 2 647.3 490.9 390.4 134.8 36.1 1 620.5 4 736.1 678.7 1 003.1 207.0 1 126.2 732.1	15 214.5 3 814.9 2 622.7 838.6 1 112.8 692.6 699.9 2246.4 118.5 (2) 1 572.8 4 048.1 708.3 869.3 138.8 1 057.3 665.4	14 266.9 3 655.1 2 445.5 668.4 1 007.8 709.8	12 980.6 3 361.4 2 259.0 617.6 1 061.3 623.3 697.6 2 015.8 637.5 2 196.7 131.8 (2) 1 378.5 3 804.2 591.3 825.9 134.0 1 032.5 615.5	12 156.3 3 036.6 2 044.7 512.9 916.3 644.0 725.1 1 970.4 519.1 2180.3 151.6 (2) 1 455.4 3 605.8 561.9 663.1 152.7 859.0 685.7	11 629.9 2 953.5 1 827.5 492.1 1 939.4 510.8 2166.8 140.7 (2) 1 414.3 3 240.9 515.7 589.5 141.4 709.8 642.6	7 812.6 2 167.9 1 359.6 322.1 553.4 417.9 508.6 1 111.4 299.0 2218.5 75.4 (2) 778.7 2 501.9 335.1 289.5 107.3 615.4 333.6	5 007.7 1 408.7 684.1 241.6 300.1 ² 110.4 49.1 (2) 318.1 1 830.6 - 1 670.1
2732B 2732C 2732C	Books, printing only or printing and binding (excluding Pamphlets, printing only or printing and binding (excluding advertising pamphlets) Book printing, n.s.k.	137.2 313.7 537.9	127.2 133.4 348.4	119.5 129.1 330.2	112.3 119.2 373.4	135.3 140.7 407.4	120.9 132.3 388.8	111.8 200.8 458.4	160.5
2741-	Miscellaneous publishing	11 567.1	10 137.5	9 483.8	8 488.3	8 839.1	8 176.6	3 096.6	1 935.1
27416 27417	Telephone directories, publishing Catalogs and directories, except telephone directories, publishing	4 807.5 613.4	3 822.7 634.2	3 573.3 607.6	3 183.5 570.4	3 282.2 603.9	3 042.9 606.4	- 882.7	456.9
27418 27419	Business service publications, publishing Patterns, including clothing patterns	897.6 214.4	927.4 186.8	865.2 178.9	822.9 173.2	976.0 176.5	932.0 173.3	535.5 181.8	416.7 (³)
2741A	Shopping news, publishing	990.6	838.9	889.2	850.1	793.4	774.4	- 1 010.5	(⁻) ³ 727.0
2741B 27410	Other miscellaneous publishing Miscellaneous publishing. n.s.k.	2 216.9 1 826.8	1 945.6 1 782.0	1 642.7 1 726.9	1 224.9 1 663.3	1 143.8 1 863.3	863.5 1 784.1	486.0	334.5

¹Figures are estimates derived from a representative sample of manufacturing establishments. Standard errors associated with estimates are published in annual survey of manufactures publications for this period.
²Prior to 1992, audio books were included in "other books, excluding pamphlets."
³For 1977, product classes 27419, 2741A, and 2741B were combined.

Table 7. Materials Consumed by Kind: 1992 and 1987

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendixes. For meaning of abbreviations and symbols, see introductory text]

		19	92	19	987
Material code	Material	Quantity ¹	Delivered cost (million dollars)	Quantity ¹	Delivered cost (million dollars)
	INDUSTRY 2711, NEWSPAPERS				
	Materials, ingredients, containers, and supplies	(X)	5 850.3	(X)	6 570.6
262113	Newsprint: Basis wt 30 lb 1,000 metric tons	6 914.4	3 202.2	(S)	4 175.5
262115 262131 262101	Other basis wt 1,000 metric Coated paper All other paper, except light sensitive	1 384.9 (X) (X)	629.5 37.9 43.9	*914.4 (X) (X)	435.3 33.5 39.3
289311 289323 289305	Printing inks: Letterpress, including news Lithographic (offset) Other, including gravure, flexographic, and screen	(X) (X)	33.7 114.9	(X) (X)	59.5 126.9
	process	(X)	24.3	(X)	9.4
279615 279635 279636	Printing plates: Exposed, prepared for printing: Lithographic (offset) Letterpress Other Unexposed photosensitive plates:	(X) (X) (X)	23.7 17.1 11.0	XX XX XX	(2) (3) (4)
386102 386103 386107 386155 386166	Lithographic (offset) Letterpress Other Light sensitive films Light sensitive papers (including photographic paper and	XX XX XX	33.1 18.7 3.5 52.5	XXXX	² 51.2 ³ 30.6 (⁴) 58.6
970099	All other materials and components, parts, containers, and	(X)	18.9	(X)	27.1
971000	Supplies Materials, ingredients, containers, and supplies, n.s.k. ⁵	(X) (X)	472.5 1 112.8	(X) (X)	⁴ 381.9 1 141.8

See footnotes at end of table.

27A-28 NEWSPAPERS, PERIOD., BOOKS, & MISC. PUB.

MANUFACTURES-INDUSTRY SERIES

Table 7. Materials Consumed by Kind: 1992 and 1987-Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendixes. For meaning of abbreviations and symbols, see introductory text]

	lations and symbols, see introductory text]		
Material code	Material	1992 delivered cost (million dollars)	1987 delivered cost (million dollars)
	INDUSTRY 2721, PERIODICALS		
	Materials, ingredients, containers, and supplies	2 417.1	2 225.7
262111 262131 262140 289301 970099 971000	Newsprint Coated paper Uncoated paper Printing inks (complete formulations) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. ⁵	66.3 986.1 185.2 220.8 165.9 792.8	155.6 627.4 178.9 58.9 278.2 926.7
	INDUSTRY 2731, BOOK PUBLISHING		
	Materials, ingredients, containers, and supplies	1 613.7	1 234.2
262111 262131 262140 289301 970099 971000	Newsprint	76.9 192.2 305.6 45.9 549.1 444.1	38.9 147.2 228.7 5.2 295.8 518.4
	INDUSTRY 2732, BOOK PRINTING		
	Materials, ingredients, containers, and supplies	1 587.6	1 090.1
262112	Newsprint	35.7	28.9
262121 262122	Uncoated paper: Sheets Rolls	116.7 314.5	115.1 236.9
262123 262124 267231 220011 289101 289301 386101	Coated paper: Sheets	148.1 194.9 14.5 56.1 29.3 64.7 29.7	79.8 95.0 (D) 39.8 19.7 (D) 24.4
386100 279600 265001 970099 971000	Unexposed photosensitive printing plates Printing plates, prepared for printing Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. ⁵	23.6 33.9 60.4 274.7 190.7	(4) (4) (4) 4233.9 165.7
	INDUSTRY 2741, MISCELLANEOUS PUBLISHING		
	Materials, ingredients, containers, and supplies	708.6	609.2
262111 262131 262140 289301 970099 971000	Newsprint Coated paper Uncoated paper Printing inks (complete formulations) All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k. ⁵	43.5 75.2 103.8 4.3 219.6 262.2	70.8 21.2 120.5 5.6 74.5 316.6

¹For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: ⁺10 to 19 percent estimated; ^{+*}20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S). ²For 1987, 279615 and 386102 were published as 386153, unexposed diazo lithographic plates, and 279610, other lithographic plates, exposed and unexposed. ³For 1987, 279635 and 386103 were published as 279631, photopolymer (plastics) plates used for letterpress printing. ⁴Included in 970099. ⁵Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form.

MANUFACTURES-INDUSTRY SERIES

Appendix A. Explanation of Terms

This appendix is in two sections. Section 1 includes items requested of all establishments mailed census of manufactures forms including annual survey of manufactures (ASM) forms. Note that this section also includes several items (number of establishments and companies, value added, classes of products, and specialization and coverage ratios) not included on the report forms but derived from information collected on the forms. Section 2 covers supplementary items requested only from establishments included in the ASM sample. Results of the supplementary ASM inquiries are included in table 3c of this report.

SECTION 1. ITEMS COLLECTED OR DERIVED BASED ON ALL CENSUS OF MANUFACTURES (INCLUDING ASM) REPORT FORMS

Number of establishments and companies. A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

If the company operated at different physical locations, even if the individual locations were producing the same line of goods, a separate report was requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was requested for each activity.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the "Operational Status" section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

In this report, data are shown for establishments in operation at any time during the year. A comparison with the number of establishments in operation at the end of the year will be provided in the Introduction of the *General Summary* subject report.

Employment and related items. The report forms requested separate information on production workers for a specific payroll period within each quarter of the year and on other employees as of the payroll period which included the 12th of March.

All employees. This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave,

paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production workers. This item includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

All other employees. This item covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the linesupervisor level. It includes sales (including driver salespersons), sales delivery (highway truckdrivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office function, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations to the plant and utilized as a separate work force.

In addition to reports sent to operating manufacturing establishments, information on employment during the payroll period which included March 12 and annual payrolls also was requested of auxiliary units (e.g., administrative offices, warehouses, and research and development laboratories) of multiestablishment companies. However, these figures are not included in the totals for individual industries shown in this report. They are included in the *General Summary* and geographic area reports as a separate category.

Payroll. This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year 1992. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' Social Security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

The ASM provides estimates of employers' supplemental labor costs, both those required by Federal and State laws and those incurred voluntarily or as part of collective bargaining agreements. (Supplemental labor costs are explained later in this appendix.)

As in the case of employment figures, the payrolls of separate auxiliary units of multiestablishment companies are not included in the totals for individual industries or industry groups.

Production-worker hours. This item covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

Cost of materials. This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (1) all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year, (2) electric energy purchased, (3) fuels consumed for heat, power, or the generation of electricity, (4) work done by others on materials or parts furnished by manufacturing establishments (contract work), and (5) products bought and resold in the same condition. (See discussion of duplication of data below.)

Specific materials consumed. In addition to the total cost of materials, which every establishment was required to report, information also was collected for most manufacturing industries on the consumption of major materials used in manufacturing. The inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. Information on the establishments consuming less than a specified amount (usually \$25,000) of a specific material were not requested to report consumption of that material separately. Also, the cost of materials for the small establishments for which either administrative records or short forms were used was imputed as "not specified by kind." (See Census of Manufactures for the importance of administrative records in the industry.)

Value of shipments. This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and resold without further processing. Included are all items made by or for the establishments from materials owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of "all other costs" (including company overhead) and profit. (See discussion of duplication of data below.)

Individual products. As in previous censuses, data were collected for most industries on the quantity and value of individual products shipped. In the 1992 census program, information was collected on the output of almost 11,000 individual product items. The term "product," as used in the census of manufactures, represents the finest level of detail for which output information was requested. Consequently, it is not necessarily synonymous with the term "product" as used in the marketing sense. In some cases, it may be much more detailed and, in other cases, it is more aggregative. For example, "pharmaceutical preparations" was distributed into over 100 terms; whereas, "motor gasoline" was reported as a single item.

Approximately 6,300 of the product items were listed separately on the 1992 census report forms. Data for

about 4,500 products were obtained in the monthly, quarterly, or annual surveys comprising the Current Industrial Reports series of the Census Bureau. Totals for the year 1992 for these items, as derived from the commodity surveys, are shown in the "products shipped" table.

The list of products for which separate information was collected was prepared after consultation with industry and government representatives. Comparability with previous figures was given considerable weight in the selection of product categories so that comparable 1987 information is presented for most products.

Typically, both quantity and value of shipments information were collected. However, if quantity was not significant or could not be reported by manufacturers, only value of shipments was collected.

Shipments include both commercial shipments and transfers of products to other plants of the same company. For industries in which a considerable portion of the total shipments is transferred to other plants of the same company, separate information on interplant transfers also was collected. Moreover, for products that are used to a large degree within the same establishment as materials or components in the fabrication of other products, total production and often consumption of the item within the plant was collected. Typically, the information on production also was collected for products for which there are significant differences between total production and shipments in a given year because of wide fluctuations in finished goods inventories. Other measures of output of products with long production cycles were used as appropriate and feasible.

Classes of products. To summarize the product information, the separate products were aggregated into classes of products that, in turn, were grouped into all primary products of each industry. The code structure used is a seven-digit number for the individual product, a five-digit number for the class of product, and a four-digit number for the total primary products in an industry. (See Census of Manufactures, Industry Classification of Establishments, for application of the coding structure to the assignment of SIC codes for establishments.)

In the 1992 census, the 11,000 products were grouped into approximately 1,500 separate classes on the basis of general similarity of manufacturing processes, types of materials used, etc. However, the grouping of products was affected by the economic significance of the class and, in some cases, dissimilar products were grouped because the products were not sufficiently significant to warrant separate classes.

Duplication in cost of materials and value of shipments. The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

Value added by manufacture. This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments (see footnote in table 1a), value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

"Value added" avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

New and used capital expenditures. For establishments in operation and any known plants under construction, manufacturers were asked to report their new expenditures for (1) permanent additions and major alterations to

manufacturing establishments, and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

The totals for new expenditures include expenditures leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under contract by private companies, and plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for used plant and equipment (although reported in the census), expenditures for land, and cost of maintenance and repairs charged as current operating expenses.

Manufacturers also were requested to report the value of all used buildings and equipment purchased during the year at the purchase price. For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. Furthermore, if the establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported under used capital expenditures.

Total expenditures for used plant and equipment is a universe figure; it is collected on all census forms. However, the breakdown of this figure between expenditures for used buildings and other structures and expenditures for used machinery and equipment is collected only on the ASM form. The data for total new capital expenditures, new building expenditures, and new machinery expenditures, as well as the data for total used expenditures, are shown in table 3b.

End-of-year inventories. Respondents were asked to report their 1991 and 1992 end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). In 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Because of this change in reporting instructions, the 1982 through 1992 data for inventories and value added by manufacture included in the tables of this report are not comparable to the prior-year data shown in table 1a of this report and in historical census of manufactures and annual survey of manufactures publications.

In using inventory data by stage of fabrication for "all industries" and at the two-digit industry level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by another establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for individual industries, industry groups, and "all manufacturing", which are aggregates of figures reported by establishments in specified industries.

Specialization and coverage ratios. These items are not collected on the report forms but are derived from the data shown in table 5b. An establishment is classified in a particular industry if its shipments of primary products of that industry exceed in value its shipments of the products of any other single industry.

An establishment's shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.). Specialization and coverage ratios have been developed to measure the relationship of primary product shipments to the data on shipments for the industry shown in tables 1a through 5a and data on product shipments shown in tables 6a through 6c.

Specialization ratio represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

Coverage ratio represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments wherever classified.

SECTION 2. ITEMS COLLECTED ONLY ON ASM REPORT FORMS

The following items were collected only from establishments included in the ASM sample:

Supplemental labor costs. Supplemental labor costs are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they

were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees. While the excluded items do benefit employees and all or part of their cost generally is similar to the items covered in the ASM labor costs statistics, accounting records generally do not provide reliable figures on net employee benefits of these types.

Retirements of depreciable assets. Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during 1992. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

Depreciation charges for fixed assets. This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

Rental payments. Total rental payments is collected on all census forms. However, the breakdown between rental payments for buildings and other structures and rental payments for machinery and equipment is collected only on the ASM forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets, and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these companyowned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

Depreciable assets. Total value of gross depreciable assets is collected on all census forms. However, the detail for depreciable assets is collected only on the ASM forms. The data encompass all fixed depreciable assets on the books of establishments at the beginning and end of the year. The values shown (book value) represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all

buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets, including inventories and intangible assets, such as timber and mineral rights.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year, rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress. In addition, respondents were requested to make certain that assets at the beginning of the year plus new and used capital expenditures, less retirements, equalled assets at the end of the year.

New and used capital expenditures. The data for total new capital expenditures, new building expenditures, new machinery expenditures, and total used capital expenditures are collected on all census forms. However, the breakdown between expenditures for used buildings and other structures and expenditures for used machinery and equipment is collected only on the ASM form. (See further explanation on capital expenditures in section 1.)

Quantity of electric energy consumed for heat and power. Data on the cost of purchased electric energy are collected on all census forms. However, data on the quantity of purchased electric energy are collected only on the ASM forms. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

Breakdown of new capital expenditures for machinery and equipment. ASM establishments were requested to separate their capital expenditures for new machinery and equipment into (1) automobiles, trucks, etc., for highway use, (2) computers and peripheral data processing equipment, and (3) all other.

The category "automobiles, trucks, etc., for highway use" is intended to measure expenditures for vehicles designed for highway use that were acquired through a purchase or lease-purchase agreement. Vehicles normally operating off public highways (vehicles specifically designed to transport materials, property, or equipment on mining, construction, logging, and petroleum development projects) are excluded from this item.

Foreign content of cost of materials. Establishments included in the ASM sample panel were requested to provide information on foreign-made materials purchased or transferred from foreign sources. This includes materials acquired from a central warehouse or other domestic establishment of the same company but made in an operation outside of the 50 States, District of Columbia, Puerto Rico, or U.S. territories.

Cost of purchased services. ASM establishments were requested to provide information on the cost of purchased services for the repair of buildings and other structures, the repair of machinery, communication services, legal services, accounting and bookkeeping services, advertising, software and other data processing services, and refuse removal. Each of these items reflect the costs paid directly by the establishment, and exclude salaries paid to employees of the establishment for these services.

Included in the cost of purchased services for the repair of buildings and machinery are payments made for all maintenance and repair work on buildings and equipment, such as painting, roof repairs, replacing parts, and overhauling equipment. Such payments made to other establishments of the same company and for repair and maintenance of any leased property also are included. Extensive repairs or reconstruction that were capitalized are considered capital expenditures for used buildings and machinery and are, therefore, excluded from this item. Repair and maintenance costs provided by an owner as part of a rental contract or incurred directly by an establishment in using its own work force also are excluded.

Included in the cost of purchased advertising services are payments for printing, media coverage, and other advertising services and materials.

Included in the cost of purchased software and other data processing services are all purchases by the establishment from other companies. Excluded are services provided by other establishments of the same company (such as by a separate data processing unit).

Included in the cost of purchased refuse removal services are all costs of refuse removal services paid by the establishment, including costs for hazardous waste removal or treatment. Excluded are all costs included in rental payments or as capital expenditures.

Three basic approaches were utilized to produce these statistics.

1. For items 1 through 6, data were estimated (imputed) for all non-ASM establishments using the available data in the establishment record and industry-based parameters. The statistics were then generated by simply tabulating all census records including the imputed value for non-ASM establishments and the unweighted value for ASM establishments. Separate imputation rates were developed and are shown in the table. For quantity of purchased electricity for heat and power (item 7), a similar procedure was used; however, the imputation parameters were geographicallybased instead of industry-based. For quantities of generated less sold electricity, no imputation was performed for non-ASM establishments. The estimates for these items are simply tabulations of unweighted ASM values.

Since the published statistics for these items were developed from the complete census universe and not just the ASM establishments, there are no sampling variances associated with these statistics. However, there is an unknown level of bias for each of the items due to the imputation of the non-ASM establishments. This bias is felt to be small due to the strong correlation between the items being imputed and the collected items that were used to generate the impute values.

2. For items 8 and 9, the estimates were developed using a ratio estimation methodology. For item 8, an estimate of the breakout of new capital expenditures for machinery and equipment into the three categories was made from ASM establishments reporting these categories. The estimated proportions were then applied to the corresponding census value for new capital expenditures for machinery and equipment to produce the estimates.

The estimates for item 9, foreign content of cost of materials, were developed in a similar manner based on costs of parts, supplies, and components (item 5a) as the control total for the three categories.

For items 8 and 9, an adjustment ratio of the following form was computed:

$$Rj = \frac{NMc}{TMEasm}$$

where:

- NMc = the census value of new capital expenditures for machinery and equipment
- TMEasm = the weighted ASM value of new capital expenditures for machinery and equipment from reporters of the detailed breakout data
- 3. For item 10, cost of purchased services, the estimates were made by simply tabulating weighted data for all the ASM records that reported the item. A response coverage ratio (a measure of the extent to which respondents reported for each item) is shown in table 3c for the types of services. It is derived for each item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight, see appendix B) for those ASM establishments that reported the specific inquiry to the weighted total employment for all ASM establishments classified in the industry.

Appendix B. Annual Survey of Manufactures Sampling and Estimating Methodologies

DESCRIPTION OF SURVEY SAMPLE

The annual survey of manufactures (ASM) contains two components. The mail portion of the survey is a probability sample of about 64,000 manufacturing establishments selected from a total of about 216,000 establishments. These 216,000 establishments represent all manufacturing establishments of multiunit companies and all singleestablishment companies mailed schedules in the 1987 Census of Manufactures. This mail portion is supplemented annually by a Social Security Administration list of new manufacturing establishments opened after 1987 and a list of new multiunit manufacturing establishments identified from the Census Bureau's Company Organization Survey.

For the current panel, all establishments of companies with 1987 shipments in manufacturing in excess of \$500 million were included in the survey panel with certainty. There are approximately 500 such companies collectively accounting for approximately 18,000 establishments. For the remaining portion of the mail survey, the establishment was defined as the sampling unit. For this portion, all establishments with 250 employees or more and establishments with a very large value of shipments also were included in the survey panel with certainty. A total of 12,100 establishments were selected from this portion of the universe with certainty. Therefore, of the 64,000 manufacturing establishments included in the ASM panel, approximately 31,000 are selected with certainty. These certainty establishments collectively account for approximately 80 percent of the total value of shipments in the 1987 census.

Smaller establishments in the remaining portion of the mail survey were sampled with probabilities ranging from 0.999 to 0.005 in accordance with mathematical theory for optimum allocation of a sample. The probabilities of selection assigned to the smaller establishments were proportional to measures of size determined for each establishment. The measures of size depend directly upon each establishment's 1987 product class values and the historic variability of the year-to-year shipments of each product class. Product classes displaying more volatile year-toyear change in shipments at the establishment level were sampled at a heavier rate.

This method of assigning measures of size was used in order to maximize the precision (that is, minimize the variance of estimates of the year-to-year change) in the value of product class shipments. Implicitly, it also gave weight differences in employment, value added, and other general statistics, since these are highly correlated with value of shipments. Individual sample selection probabilities were obtained by multiplying each establishment's final measure of size by an overall sampling fraction coefficient calculated to yield a total expected sample size.

The sample selection procedure gave each establishment in the sampling frame an independent chance of selection. This method of independent selection permits the rotation of small establishments out of a given sample panel without introducing a bias into the survey estimates.

The nonmail portion of the survey includes all singleestablishment companies that were tabulated as administrative records in the 1987 Census of Manufactures. Although this portion contained approximately 134,000 establishments, it accounted for less than 2 percent of the estimate for total value of shipments at the total manufacturing level. This portion was not sampled; rather, the data for every establishment in this group were estimated based on selected information obtained annually from the administrative records of the Internal Revenue Service and the Social Security Administration. This administrative-records information, which includes payroll, total employment, industry classification, and physical location of the establishment, was obtained under conditions which safeguard the confidentiality of both tax and census records. Estimates of data other than payroll and employment for these small establishments were developed from industry averages.

The corresponding estimates for the mail and nonmail establishments were added together, along with the baseyear differences, as defined in the Description of Estimating Procedure section, to produce the figures shown in this publication.

DESCRIPTION OF ESTIMATING PROCEDURES

Most of the ASM estimates for the years 1988-1991 were computed using a difference estimation procedure. For each item, a base-year difference was developed. This base-year difference is equal to the difference between the 1987 census published number for an item total and the linear ASM estimate of the total for 1987. The ASM linear estimate was obtained by multiplying each sample establishment's data by its sample weight (the reciprocal of its probability of selection) and summing the weighted values.

These base-year differences were then added to the corresponding current-year linear estimates, which include the sum of the estimates for the mail and nonmail

establishments, to produce the estimates for the years 1983-1991. Estimates developed by this procedure usually are far more reliable than comparable linear estimates developed from the current sample data alone.

However, the 1992 sample estimates for the purchased service items, shown in table 3c, are strictly ASM linear estimates developed only from ASM establishments that reported the specific item.

The remaining estimates in table 3c, showing the breakdown of expenditures for new machinery and equipment and costs of parts (separated into purchases from foreign sources and purchases from domestic sources), were computed as ratio estimates. To do this, linear estimates of the new machinery detail items were developed from the ASM establishments and were ratio adjusted to the corresponding census total for new machinery. In a similar fashion, the ASM linear estimates of the detailed purchased materials items were ratio adjusted to the corresponding census total for cost of parts.

QUALIFICATIONS OF THE DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sampled lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the differences between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of the estimates.

The particular sample selected for the ASM is one of a large number of similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretical, comparable, completecoverage values.

Estimates of the standard errors have been computed from the sample data for selected statistics in this report. They are presented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, completecoverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

- 1. From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- 2. From two standard errors below to two standard errors above the derived estimate for about 19 of 20 of all possible samples.
- 3. From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown as 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the completecoverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected in the course of the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or only moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown.

The concept of complete coverage under the conditions prevailing for the ASM is not identical to the complete coverage of the census of manufactures, as the censuses have been conducted. Nearly all types of operational errors that affect the ASM also occur in the censuses. The ASM and the censuses, are conducted under quite different conditions, and operational errors can be better controlled in the ASM than in the censuses. As a result, for many of the census figures, the errors are of the same order of size as the total errors of the corresponding annual survey estimates. The differences between the census and ASM operating conditions also disturb, to some degree, the comparability of the ASM and census data.

Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be of limited reliability. However, the figure may be combined with higher-level totals, creating a broader aggregate, which then may be of acceptable reliability.

Appendix C. Product Code Reference Tables

1992	1987	1992	1987	1992	1987	1992	1987	
7111 24	27111 22	27523 18	27523 13	2759B 26	27597 26	27617 63	27617 00	
27111 26	27111 22			2759B 28	27597 28	27617 65	27617 00	
27111 34	27111 32	27525 45	27525 51	2759B 30	27597 24	27617 73	27617 00	
27111 36	27111 32	27525 45	27525 53	2759B 30	27597 30	27617 75	27617 00	
7111 44	27111 42	27525 52	27525 51					
7111 46	27111 42	27525 54	27525 53	2759C	27597	27824 41	27824 00	
7111 54	27111 52			2759C 29	27597 38	27824 45	27824 00	
7111 56	27111 52	27526 77	27526 76	2759C 31	27597 12	27824 51	27824 00	
7111 58	27111 91	27526 77	27526 78	2759C 32	27597 32	21024 01	21024 00	
		27526 84	27526 98	2759C 34	27597 34	27825 01	27825 00	
7211 12	27211 11	27526 97	27526 98	2759C 36	27597 36	27825 03	27825 00	
7211 12	27211 61			2759C 38	27597 38	27825 05	27825 00	
7211 14	27211 15	27592 12	27592 11			27825 08	27825 00	
7211 14	27211 61	27592 12	27592 15	27612 11	27612 00	27825 11	27825 00	
1211 14	27211 01	27592 14	27592 13	27612 13	27612 00	27825 22	27825 00	
731H	2731F	27592 14	27592 15	27612 15	27612 00	21625 22	27825 00	
731H 00	2731F 2731F 00	27592 16	27592 15	27612 53	27612 00	07040.00	0704044	
1311 00	2/31F 00	27592 16	27592 17	27612 55	27612 00	27910 32	27910 11	
	07/17/15	27592 18	27592 15	27612 61	27612 00	27910 34	27910 15	
7417 16	27417 15	27592 18	27592 19					
7417 16	27417 17			27613 11	27613 00	27961 11	27961 13	
		27596 16	27596 25	27613 13	27613 00	27961 31	27961 17	
741B 18	2741B 19	27596 27	27596 25			27961 31	27961 23	
741B 20	2741B 19			27615 31	27615 00	27961 31	27961 29	
741B 29	2741B 91	27599 33	27599 32	27615 35	27615 00			
741B 71	2741B 21	27599 35	27599 32	27615 41	27615 00	27963 30	27963 15	
741B 71	2741B 91		2.000 02	27615 43	27615 00	27963 30	27963 35	
		2759B	27597	27615 45	27615 00	27963 52	27963 72	
7522 11	27522 15	2759B 00	27597 00	27615 55	27615 00	27963 69	27963 61	
7522 11	27522 16	2759B 14	27597 14	27615 61	27615 00	27963 69	27963 63	
7522 13	27522 16	2759B 16	27597 16	27615 63	27615 00	27963 69	27963 65	
7522 13	27522 19	2759B 18	27597 18	27615 65	27615 00	27963 70	27963 40	
7522 17	27522 16	2759B 20	27597 20	1 2. 0. 0 00	2.0.0 00	27963 70	27963 67	
7522 17	27522 18	2759B 22	27597 22	27617 61	27617 00	27963 70	27963 71	

Part 1. Comparability of Product Classes and Product Codes That Changed: 1992 to 1987

Part 2. Comparability of Product Classes and Product Codes That Changed: 1987 to 1992

1987	1992	1987	1992	1987	1992	1987	1992
7111 22	27111 22	27522 15	27522 11	27597 00	2759B 00	27615 00	27615 55
7111 22	27111 24	27522 16	27522 11	27597 12	2759C 31	27615 00	27615 61
7111 22	27111 26	27522 16	27522 13	27597 14	2759B 14	27615 00	27615 63
7111 32	27111 32	27522 16	27522 17	27597 16	2759B 16	27615 00	27615 65
7111 32	27111 34	27522 18	27522 17	27597 18	2759B 18		
7111 32	27111 36	27522 19	27522 13	27597 20	2759B 20	27617 00	27617 61
7111 42	27111 42			27597 22	2759B 22	27617 00	27617 63
7111 42	27111 44			27597 24	2759B 30	27617 00	27617 65
7111 42	27111 46	27523 13	27523 18	27597 26	2759B 26	27617 00	27617 73
7111 52	27111 52			27597 28	2759B 28	27617 00	27617 75
7111 52	27111 54	[27597 30	2759B 30		
7111 52	27111 56	27525 51	27525 45			27824 00	27824 41
7111 91	27111 58	27525 51	27525 52			27824 00	27824 45
	2	27525 53	27525 45	27597 32	2759C 32	27824 00	27824 51
		27525 53	27525 54	27597 34 27597 36	2759C 34	2.02.00	2102101
7211 11	27211 12			27597 36	2759C 36	27825 00	27825 01
7211 15	27211 14	07500 70	03500 33	27597 38	2759C 29	27825 00	27825 03
7211 61	27211 12	27526 76	27526 77	27597 38	2759C 38	27825 00	27825 06
7211 61	27211 14	27526 78	27526 77			27825 00	27825 08
		27526 98	27526 84	07500.00	03500.00	27825 00	27825 11
		27526 98	27526 97	27599 32	27599 33	27825 00	27825 22
731F	2731F			27599 32	27599 35	21023 00	21023 22
		27592 11	27592 12			27910 11	27910 32
704 5	070411	27592 13	27592 14	27612 00	27612 11	27910 15	27910 34
731F	2731H	27592 15	27592 12	27612 00	27612 13		
		27592 15	27592 14	27612 00	27612 15	27961 13	27961 11
731F 00	2731F 00	27592 15	27592 16	27612 00	27612 53	27961 17	27961 31
731F 00	2731F 00 2731H 00	27592 15	27592 18	27612 00	27612 55	27961 23	27961 31
131F 00	2/318 00	27592 17	27592 16	27612 00	27612 61	27961 29	27961 31
		27592 19	27592 18				
7417 15	27417 16			07040.00	07040.44	27963 15	27963 30
7417 17	27417 16			27613 00	27613 11	27963 35	27963 30
	21 111 10	27596 25	27596 16	27613 00	27613 13	27963 40	27963 70
		27596 25	27596 27			27963 61	27963 69
741B 19	2741B 18	1		27615 00	27615 31	27963 63	27963 69
741B 19	2741B 20	27597	2750P	27615 00	27615 35	27963 65	27963 69
741B 21	2741B 71	21291	2759B	27615 00	27615 41	27963 67	27963 70
41B 91	2741B 29			27615 00	27615 43	27963 71	27963 70
741B 91	2741B 23	27597	2759C	27615 00	27615 45	27963 72	27963 52

MANUFACTURES-INDUSTRY SERIES

APPENDIX C C-1

TIPS [UPF] BATCH_1674 [APS_PPGB,C_BROOKS] APS-PPGB 1/ 6/95 8:20 AM MACHINE: MCVX26 DATA:NONE TAPE: NOreel FRAME: 1 TSF:TIPS92-08193532.DAT;1 1/ 6/95 08:19:43 UTF:TIPS93-08193532.DAT;1 1/ 6/95 08:19:44 META:TIPS96-08193532.DAT;1 1/ 6/95 08:20:19

Part 3. Current Industrial Reports by Product Code

[Not applicable for this report]

MANUFACTURES-INDUSTRY SERIES

TIPS [UPF] BATCH_1674 [APS_PPGB,C_BROOKS] APS.PPGB 1/ 6/95 8:20 AM MACHINE: MCVX26 DATA:NONE TAPE: NOreel FRAME: 2 TSF:TIPS92-08193532.DAT;1 1/ 6/95 08:19:43 UTF:TIPS93-08193532.DAT;1 1/ 6/95 08:19:44 META:TIPS96-08193532.DAT;1 1/ 6/95 08:02:19

Publication Program

1992 CENSUS OF MANUFACTURES

Publications of the 1992 Census of Manufactures, containing preliminary and final data on manufacturing establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233-8300.

Preliminary Reports

Industry series—83 reports (MC92-I-20A(P) to -39D(P))

Preliminary industry data are issued in 83 separate reports covering 459 industries. Preliminary summary data for the United States and States are released in one report.

Final Reports

Industry series-83 reports (MC92-1-20A to -39D)

Each of the 83 reports provides information for a group of related industries ("dairy products" includes industries for butter, cheese, milk, etc.). Final figures for the United States are shown for each of the 459 manufacturing industries on quantity and value of products shipped and materials consumed, cost of fuels and electric energy, capital expenditures, assets, rents, inventories, employment, payroll, payroll supplements, hours worked, value added by manufacture, number of establishments, and number of companies. Comparative statistics for earlier years are provided where available.

For each industry, data on value of shipments, value added by manufacture, capital expenditures, employment, and payroll are shown by employment-size class of establishment, State, and degree of primary product specialization.

Geographic area series—51 reports (MC92-A-1 to -51)

A separate report is being published for each State and the District of Columbia. Each report presents data for industry groups and industries on value of shipments, cost of materials, value added by manufacture, employment, payroll, hours worked, new capital expenditures, and number of manufacturing establishments for the State, MA's, counties, and selected places. Comparative statistics for earlier census years are shown for the State and large MA's. Manufacturing totals are presented for each county and for places with significant manufacturing activity. Detailed statistics (including inventories, assets, rents, and energy costs) are presented only in statewide totals.

Subject series—3 reports (MC92-S-1 to -3)

Each of the three reports contains detailed statistics for an individual subject, such as concentration ratios in manufacturing, manufacturers' shipments to the Federal Government, and a general national-level summary.

Reference series—1 report (MC92-R-1)

The Numerical List of Manufactured and Mineral Products includes a description of the principal products and services published in the 1992 Censuses of Manufactures and Mineral Industries.

Location of Manufacturing Plants—1 report (MC92-LM)

This report includes data for number of establishments by four-digit SIC industry and by employment-size class for counties, incorporated places of 2,500 inhabitants or more, and Zip Codes for each State. This report is available only on compact disc-read only memory (CD-ROM).

Analytical Reports—2 reports (AR92-1 and -2)

Exports From Manufacturing Establishments (AR92-1)

This report presents data on exports by two- and three-digit SIC industry groups for the United States and States. Information is presented on value of direct report shipments and estimates of the employment required to manufacture these products. Included are estimates of employment in manufacturing and nonmanufacturing establishments that supply parts, materials, and services for production of manufactured exports.

Selected Characteristics of Manufacturing Establishments That Export (AR92-2)

This report presents data on the number of manufacturing companies and establishments that export by major group, State, employment size, and ratios of exports to shipments.

Electronic Media

All data included in the printed reports are available on CD-ROM. The CD-ROM's provide the same information found in the reports as well as additional information not published in the final reports, such as location of manufacturing plants. Electronic media products are available for users who wish to summarize, rearrange, or process large amounts of data. These products, with corresponding technical documentation, are sold by Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233-8300.

OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, financial, insurance, real estate, service industries, construction industries, mineral industries, transportation, communications, utilities, enterprise statistics, minority-owned businesses, and women-owned businesses also are available from the 1992 Economic Census. A separate series of reports covers the census of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Commonwealth of the Northern Mariana Islands. Separate announcements describing these reports are available free of charge from Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233-8300.