AD 678 635

METHODS USED IN DEVELOPING INPUT-OUTPUT TABLES FOR THE PROVIDENCE STANDARD METROPOLITAN STATISTICAL AREA

Caleb A. Smith

Institute for Defense Analyses
Arlington, Virginia

October 1967

AD 678635

INTERNAL NOTE N-542(R)

METHODS USED IN DEVELOPING INPUT-OUTPUT TABLES FOR THE PROVIDENCE STANDARD METROPOLITAN STATISTICAL AREA, 1963

Caleb A. Smith

VOLUME II - APPENDIX

Samples of Covering Letters and Survey Questionnaires

Office of Civil Defense
Office of the Secretary of the Army
Washington, D.C. 20310

This report has been reviewed in the Office of Civil Defense and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Office of Civil Defense.

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INSTITUTE FOR DEFENSE ANALYSES
Arlington, Virginia

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October 1967

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BROWN UNIVERSITY *Providence, Rhode Island • 02912*

September 21, 1966

The U. S. Department of Defense has asked the Brown University Department of Economics to make an inter-industry study of the Providence Metropolitan Area. The enclosed letter from the R. I. Development Council tells of their interest in the study and expresses their belief in the value of the data to be obtained for planning future development in Rhode Island. The chambers of commerce have also endorsed the study and urged their members to respond promptly to the enclosed questionnaire.

The questionnaire relates to your operations for the year 1965. It is realized that much of the detail requested is not ordinarily compiled by businesses. Where an accounting figure is not readily available, it will be appreciated if you would supply your best estimate (in percentages if you prefer) for the information requested.

If your company has more than one facility in the Providence Metropolitan Area (see enclosed map for area covered), a consolidated report may be submitted covering these facilities or they may be reported separately. In either case transactions <u>between</u> facilities should be included, since the Dept. of Defense has asked us to collect data on all transactions between one establishment and another.

We have endeavored to give complete explanations of the information requested in each section of the questionnaire. We would appreciate your completing and returning it in the enclosed envelope by Oct. 7. If this is not feasible, or if you have questions on the information requested, I urge you to call me for assistance at 863-2506.

You may be assured that the information provided will be held in strict confidence and that only aggregated industry totals will be used in the further analysis.

I appreciate your cooperation in this survey, and believe that these results will prove to be of substantial value in the future industrial and commercial development of the Providence Metropolitan Area.

Sincerely,

Dr. Caleb A. Smith
Project Director

Sent to all businesses
except those in Pawtucket
-Blackstone Valley or
Attleboro Areas

THE GREATER PROVIDENCE CHAMBER of COMMERCE
HOWARD BUILDING 10 DORRANCE STREET P. O. BOX C PROVIDENCE, RHODE ISLAND 02901
Telephone 521-5000

ATTENTION:
Rhode Island Businessmen

December 6, 1966

The Board of Directors of the Greater Providence Chamber of Commerce has voted to assist the Institute for Defense Analysis in a study of the Greater Providence economy. Information on your shipments and purchases during 1965 is being collected for the United States Department of Defense and is urgently needed for Civil Defense planning. The importance of Civil Defense planning to the Greater Providence area and the nation as a whole need hardly be stressed.

The Chamber's Board of Directors has studied the IDA proposal and concluded that the results may be of significant value in our industrial promotion program. The data will be used to develop a detailed structure of the Greater Providence economy and its relation to the national economy.

The study is being conducted by the Economics Department of Brown University under the auspices of the U. S. Department of Defense. Company returns will be held in strict confidence with information released in aggregate form only. The Chamber heartily endorses this study, not only as a contribution to the nation's Civil Defense planning program, but as a vital factor in the development of this area.

On behalf of the Chamber's Board of Directors, I urge you to respond promptly to the request for information on your company's shipments and purchases. The Chamber, along with local and state agencies, is making a concentrated effort to develop more useful data about the Rhode Island economy, and the IDA survey will provide us with additional information to better serve this state and make a valuable contribution to the welfare of the Rhode Island business community.

Sincerely yours,

Thomas L. Battle

Thomas L. Battle, Vice President
Industrial Services Department

ACCREDITED

Rhode Island's Largest Accredited Chamber of Commerce

Sent to all businesses in
Pawtucket-Blackstone Valley Area

PAWTUCKET-BLACKSTONE VALLEY
CHAMBER OF COMMERCE

33 SUMMER STREET, PAWTUCKET, R. I. 02860 401-723-3400

October 26, 1966

The Pawtucket-Blackstone Valley Chamber of Commerce has agreed to assist the Institute for Defense Analyses in a study of the Providence Metropolitan Area economy. The study will consist of a survey involving a questionnaire to be completed by participating firms. In the next few days you will receive this questionnaire regarding your shipments and purchases during 1965. This information is being collected for the U. S. Department of Defense by Brown University through Dr. Caleb A. Smith, Project Director and is urgently needed for civil defense planning. The importance of civil defense planning to this area and the nation as a whole need hardly to be stressed.

While this is the primary purpose of this survey of the Providence Metropolitan Area, this Chamber has explored the effort and concluded that the results may be of significant help in local as well as state economic development programming. The data being requested will be used to develop a detailed structure of the Metropolitan area economy and its relationship to the national economy. Studies of this kind have been found to be most useful in furthering the development of other metropolitan areas.

This survey is being conducted under the auspices of the U. S. Department of Defense and the individual company returns will be held in confidence by Brown University and information will be released in aggregate form only. The Chamber of Commerce heartily endorses this study, not only as a contribution to national civil defense planning, but as a genuine potential aid to the development of the area.

We urge you to respond promptly to the request for information on your company shipments and purchases when you receive your copy of the form from Brown University, the subcontractor that is gathering the data for this study.

Sent to businesses in Attleboro area if Attleboro C of C didn't contact directly.

CHAMBER OF COMMERCE of the ATTLEBORO AREA
ATTLEBORO, MASS.

TEL. CASTLE 2-0801

BIRTHPLACE OF THE JEWELRY INDUSTRY IN AMERICA

WILLIAM N. WARD
EXECUTIVE VICE PRESIDENT

Memo to: Attleboro Area Businesses in the TRANSPORTATION INDUSTRY

From: Chamber of Commerce of the Attleboro Area

Subject: GOVERNMENT SURVEY

You will find enclosed a questionaire from Dr. Caleb A. Smith of Brown University.

Professor Smith and the University are conducting this survey for the Federal Government to assist in determining answers to guide our economic growth and Civil Defense needs.

Other segments of the Attleboro Area business and industry have responded exceptionally well to their part of the survey!

We urge you to participate in this program and assist Dr. Smith in any way you can.

Thank you for your anticipated cooperation.

William N. Ward
Executive Vice President

wnw.w

Sent to all businesses
in Massachusetts

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF COMMERCE AND DEVELOPMENT
STATE OFFICE BUILDING
100 CAMBRIDGE STREET, BOSTON 02202
727-3218

JOHN A. VOLPE
GOVERNOR
T. W. SCHULENBERG
COMMISSIONER

August 1, 1966

TO WHOM IT MAY CONCERN

The Massachusetts Department of Commerce and Development is pleased to endorse the inter-industry study conducted by the Department of Economics, Brown University, of Providence, Rhode Island under the supervision of Professor Caleb A. Smith for the United States Department of Defense.

We hereby authorize Professor Smith to solicit information from industries located within the Commonwealth of Massachusetts and, respectfully urge Massachusetts industries to cooperate by filling out, as complete as possible, the questionnaire submitted to them.

I am certain that the results of the proposed input-output study will be most beneficial to several segments of our economy.

Sincerely,

T W Schulenberg

Commissioner

Sent to all businesses
in Rhode Island

STATE OF RHODE ISLAND & PROVIDENCE PLANTATIONS
RHODE ISLAND DEVELOPMENT COUNCIL
ROGER WILLIAMS BUILDING
HAYES STREET - PROVIDENCE, R. I.

ADOLPH T. SCHMIDT
EXECUTIVE DIRECTOR

June 24, 1966

Professor Caleb A. Smith
Department of Economics
Brown University
Providence, Rhode Island

Dear Professor Smith:

I have discussed with my staff the input-output study which you are planning on the Providence-Pawtucket-Warwick Standard Metropolitan Statistical Area, and I feel very strongly that the results of the study will add materially to our understanding of how the Rhode Island Economy functions.

Of particular significance, I feel, is the knowledge we can gain of the extent to which each industry in the area contributes to or is supported by other industries, either in this area or beyond its borders in the broader context of the regional or national economy.

The results of your study can also be useful in planning for the economic future of Rhode Island by providing us with basic data to evaluate how the growth or decline of any particular industry in the state will effect various segments of our economy.

If this agency can be of any help to you during the course of your study, please do not hesitate to call on us.

Yours very truly,

Adolph T. Schmidt
Executive Director

ATS/edw

Follow up letter

BROWN UNIVERSITY Providence, Rhode Island • 02912

December 27, 1966

About three months ago we sent you, on behalf of the United States Department of Defense, a questionnaire on inter-industry relations. Since the Department of Defense was pressing us for an early completion of the study, we requested an early reply. I hope you were not discouraged from replying because you felt it impossible to complete the questionnaire in the time alloted. In any event, the completion date for the study has been postponed and we have been asked to try to get more complete coverage of enterprises in this area.

The Department of Defense urgently seeks this information in order to supplement the available Census Data for an analysis of the metropolitan area. As Ad Schmidt pointed out in his letter (a copy of which is enclosed), this study of the area will also be useful locally. I am sure you realize that the results of this study will be valuable, not only for new businesses and businesses that plan expansion, but to all existing businesses. This information will be especially valuable in developing new markets locally and in encouraging the establishment of new sources of supply locally.

We need your cooperation. I hope that you will complete the questionnaire and return it to us at your earliest convenience. As I mentioned in my earlier letter, it is not necessary to compile exact dollar figures. Estimates of the division of your purchases between groups of products and between those purchased from suppliers within the Providence Metropolitan Area and those from outside will be satisfactory.

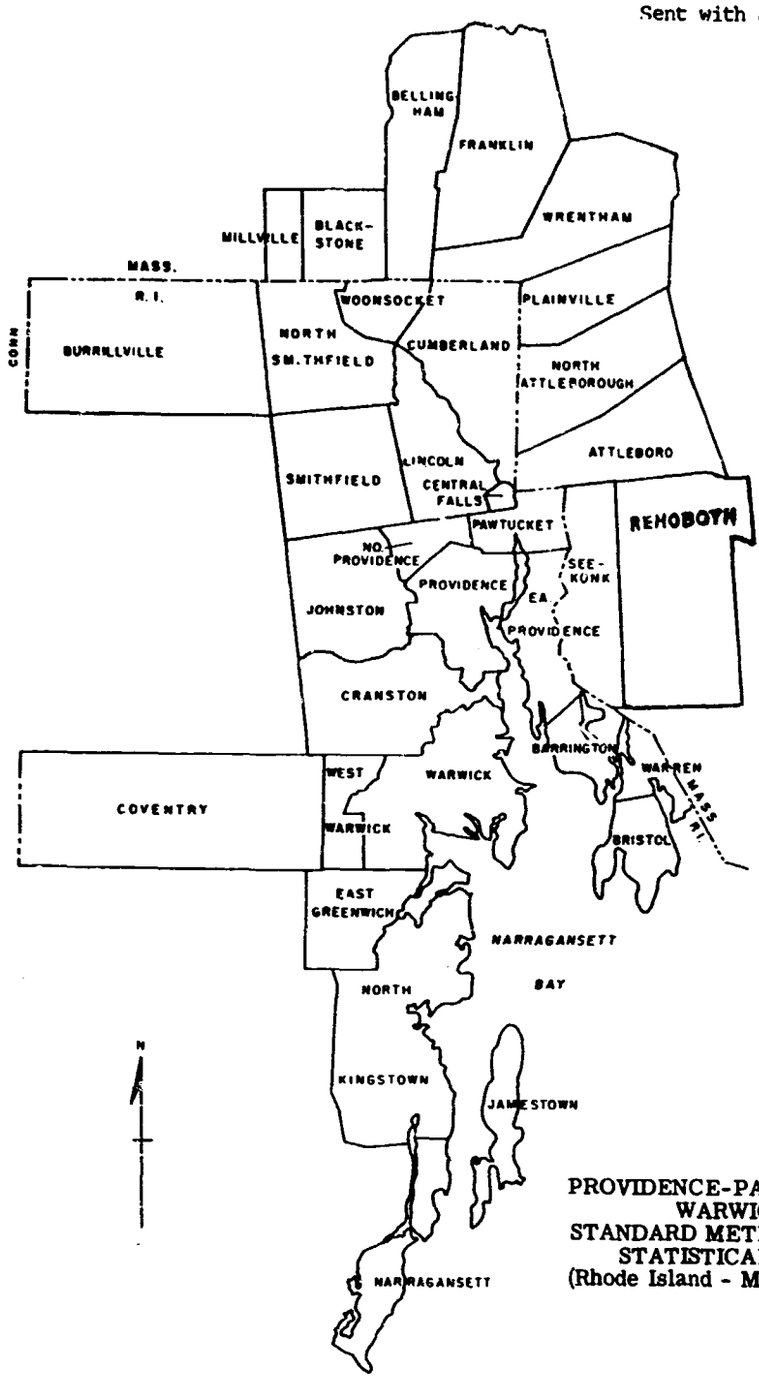
If you find it difficult to classify your purchases according to the categories listed in Section III, use the blank lines at the end of the section to list and describe your purchases using categories which you find easier. If I need to, I will phone you to find out what you have included in such categories.

I enclose another copy of the form. If you have any questions, please call me at 863-2506.

Sincerely,

Dr. Caleb A. Smith
Project Director

Sent with all questionnaires



PROVIDENCE-PAWTUCKET-
WARWICK
STANDARD METROPOLITAN
STATISTICAL AREA
(Rhode Island - Massachusetts)

Sent with construction questionnaires

Notes on the Input-Output Questionnaire

The questionnaire asks you to report on both construction put-in-place, and materials, components and services which you purchased. In Section I the construction put-in-place is classified into new construction and repair and maintenance work, and then cross-classified by whether it was situated within the Providence SMSA (officially called the Providence-Pawtucket-Warwick, R. I. - Mass. Standard Metropolitan Statistical Area) or elsewhere in the U. S. or outside of the U. S.

You may have to estimate the geographical breakdown (especially in Sections III & IV), but this breakdown: within and outside the Providence SMSA is the crucial information sought by the Department of Defense. Were it not for the need for this information, the study could have been made directly from Census Bureau materials and we need not have bothered you with this questionnaire. A Sheet attached to these notes shows the area covered by the Providence SMSA. As you will see, the area includes Attleboro and North Attleboro and eight Massachusetts towns, but excludes Westerly and Newport.

In Section II information is sought both on the percentage of your new construction put-in-place in 1965 that was residential, industrial and commercial, or governmental, and on the percentages of maintenance and repair construction in each of these categories.

In Section III please classify your purchases of materials, components and supplies according to the suggested product classifications and according to the geographical location of your source of supply If you purchase items which do not fall into one of the suggested groups, list them in the blank spaces. Please show items received from wholesalers or retailers separately from goods or services received directly from the producer. Note that purchases which are capitalized on your books should not be shown in Section III. In Sections III & IV amounts shown should represent delivered cost.

In Section IV please report purchases of fuel, electric energy, services (including repair services), wages and salaries, taxes, depreciation, etc., and your expenditures on capital account.

If you have any questions, don't hesitate to call us at 863-2506.

Sent to construction enterprises

Budget Bureau No. 120-6603
(approval expires Dec. 31, 1966)

SURVEY OF INTER-INDUSTRY RELATIONS

Providence Metropolitan Area

**(Providence-Pawtucket-Warwick, R. I. - Mass.
Standard Metropolitan Statistical Area)**

Individual company figures will not be revealed. The final report of this study will contain only figures for total industries consisting of at least several individual firms.

QUESTIONNAIRE FOR THE CONSTRUCTION INDUSTRY

SECTION I

GENERAL INFORMATION

FIRM NAME: _____

STREET ADDRESS: _____

CITY: _____ TELEPHONE: _____

NAME OF PERSON COMPLETING QUESTIONNAIRE: _____

1. What was the dollar value of construction by your facilities in the Providence Metropolitan Area for the years and categories indicated? Include the value of subcontracts let by your firm. Include here as well as in Section IV E any value of construction done by your firm for your own facilities.

	1963 (in thousands of dollars)	1965 (in thousands of dollars)
A. New Construction Put-In-Place* in:		
Providence Metropolitan Area	$_____	$_____
Rest of U. S. and Foreign	$_____	$_____
Subtotal	$_____	$_____
B. Maintenance and Repair Construction in:		
Providence Metropolitan Area	$_____	$_____
Rest of U. S. and Foreign	$_____	$_____
Subtotal	$_____	$_____
C. Total, All Construction	$_____	$_____
D. Per cent (or dollar value) done by Sub-Contractors	%_____	%_____

* The "value of construction put-in-place" represents materials, payrolls, profit, overhead, architectural and engineering services, excavation and demolition costs directly associated with the construction of new facilities or alterations and additions for the years requested regardless of the beginning and terminal dates of the contract.

SECTION II

1. In Section I you showed the new construction and the maintenance and repair construction done in 1965 in the Providence Metropolitan Area. Below please show the percentages of the value falling into each of the following categories:

	1965 Construction in the Providence Metropolitan Area	
	New	Maintenance and Repair
Residential	_____%	_____%
Industrial and Commercial	_____%	_____%
State and Local Government	_____%	_____%
Federal Government	_____%	_____%
Other (specify)		
_____	_____%	_____%
_____	_____%	_____%
_____	_____%	_____%
_____	_____%	_____%
_____	_____%	_____%
TOTAL	100 %	100 %

2. What was the value of subcontracts let by your firm for 1965 to:

	1965 Value (in thousands of dollars)
A. Contractors located in the Providence Metropolitan Area?	$_____
B. Contractors located in the rest of the U. S. and foreign countries?	$_____
C. Total	$_____

SECTION III

PURCHASES OF COMPONENTS AND SUPPLIES

(Do not include items purchased for your own capital equipment)

Schedule for the Construction Industry - SIC 15, 16, 17

This section of the questionnaire deals with purchases which you made of construction materials, components, supplies and repair parts:
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by the construction industry as raw materials, components and supplies for new construction and maintenance and repair construction as well as maintenance and operating supplies. The list is by no means exhaustive and if you purchased products which do not fall into these classifications, please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

		Purchases in 1965 (in thousands of dollars)*			
No.	Product Detail	A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
2	Misc. agricultural products (unprocessed) incl. landscaping materials (trees, plants, sod, loam, etc.)	_____	_____	_____	_____
9	Quarry products & sand, gravel, clay, etc. Incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

PURCHASES OF COMPONENTS AND SUPPLIES (continued)

No.	Product Detail	A	B.	C.	D.
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members				
22	Household furniture incl. mattresses (report only uncapitalized purchases)				
23	Other furniture & fixtures except electric (report only uncapitalized purchases)				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
30	Paints & allied prod. incl. putty & sealers				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
40	Plumbing fittings & fix.; heating equip. exc. electric; fabricated structural metal prod. Indus. process furnaces & ovens are in #49				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
45	Construction, mining & oilfield machinery & equipment (uncapitalized parts, etc., only)				

PURCHASES OF COMPONENTS AND SUPPLIES (Continued)

No.	Product Detail	A.	B.	C.	D.
46	Materials handling machinery & equipment Incl. elevators, escalators, auto lifts, conveyors, cranes, hoists, indus. tractors				
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
52	Air conditioners & service industry machines Incl. industrial vacuum cleaners; dispensing pumps; automatic merchandizing mach.				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
54	Household appliances				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				
62	Watches & clocks; medical, surgical, dental, engineering & lab instruments, equipment & measuring & control devices exc. opthalmic				

PURCHASES OF COMPONENTS AND SUPPLIES (Continued)

No.	Product Detail	A.	B.	C.	D.
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS, AND CAPITAL EXPENDITURES

IO 11-12

Please report other purchases and costs as detailed below.

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
A. Fuels and Electric Energy - Total			
Coal and Coke			
Gas (natural & mfg.)			
Fuel Oil and other fuels from petroleum (excl. for motor vehicles)			
Electric energy			
B. Purchased Services - Total			
Transportation and warehousing charges: 1. On incoming shipments			
2. On outgoing shipments			
Communications (telephone, telegraph, etc.)			
Advertising			
Water and sanitary services			
Insurance and financial charges (incl. interest)			
Rent			
Business services (inc. credit reporting, legal, engineering, architectural, accounting, management consulting, data processing, etc.)			
Cost of auto and truck repair done by outside repair shop			
Research and development done on fee or contract basis			
Services to buildings by outside contractor (window cleaning, janitorial, exterminating, portable toilets, etc.) a. To your own facilities			
b. To buildings built for others			

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
C. Contract Repair and Maintenance on your Facilities (If capitalized, report in Section E)			
1. Repair to buildings and structures (repair construction)			
a. By other contractors			
b. By own work force			
2. Equipment repair by outside contractors (If done by your own work force, show parts and supplies as purchases in Section III and wages as part of D below.)			

D. Other Costs	Costs accrued for 1965 (in thousands of dollars)		
1. Wages & salaries	xxxx	xxxx	
2. Business travel and entertainment			
3. Taxes:			
a. Local property taxes and license fees	xxxx	xxxx	
b. Manufacturers' excise taxes	xxxx	xxxx	
4. Depreciation on plant & equipment	xxxx	xxxx	

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
E. Capital Expenditures for your own Facilities (Exclude value of land and used equipment purchases)			
1. Construction (plant and other)			
a. By contractors			
b. By own work force			
2. Equipment (delivered cost)			

SUPPLEMENTARY QUESTIONNAIRE
for
Sand and Gravel Pit Operators and Crushed and Broken Stone Producers
(Note: The government regards these activities as mining.
We have been asked to report separately on these activities.)

Please include sales and purchases associated with your sand and gravel pit operations and/or crushed and broken stone production both here and in the regular construction industry questionnaire.

	Thousands of dollars 1963	Thousands of dollars 1965	Percent of 1965 sales to enterprises in Providence SMSA
Value of sand and gravel sold to others	_____	_____	_____
Value of crushed and broken stone sold to others	_____	_____	_____
Value of sand and gravel used on own contracts	_____	_____	
Value of crushed and broken stone used on own contracts	_____	_____	
Value of sand and gravel purchased from others	_____	_____	_____
Value of crushed and broken stone purchased from others	_____	_____	_____

1965 Purchases of supplies, fuel and selected equipment for sand and gravel pit and crushed and broken stone operations:	From suppliers in Providence SMSA (Thousands of dollars)	From suppliers in rest of U.S. and foreign (Thousands of dollars)
Paper and paper products including bags	_____	_____
Gasoline, diesel fuel and other petroleum products	_____	_____
Rubber and plastic products including belts	_____	_____
Iron and steel beams, sheets, plates, castings and forgings	_____	_____
Construction machinery except belt conveyors: uncapitalized repair parts	_____	_____
capitalized purchases	_____	_____
strial type machinery including belt conveyors: uncapitalized repair purchases	_____	_____
capitalized purchases	_____	_____

A second copy of Section IV of the construction questionnaire is attached to this sheet. If it is feasible we would greatly appreciate receiving any of the information requested in that section which is available separately for your sand and gravel and crushed and broken stone operations on this copy of the form and the information for your entire operations on the copy that is part of the main questionnaire.

QUESTIONNAIRE FOR TRANSPORTATION INDUSTRY

SECTION I

GENERAL INFORMATION

Firm name:_____

Street address:_____

City:_____ Telephone:_____

Location of establishment:_____

Name of person completing questionnaire:_____ _____

What were the total dollar receipts for your operations for the categories and years indicated?

Receipts from:	1963	1965
Freight Shipments:		
a. Outgoing from Providence SMSA*	$_____	$_____
b. Incoming to Providence SMSA*	$_____	$_____
c. Within Providence SMSA*	$_____	$_____
Warehousing & Storage	$_____	$_____
Passenger Movements	$_____	$_____
Other Transportation Services:		
Stevedoring Services	$_____	$_____
Tug & Towing Operations	$_____	$_____
Freight Forwarding	$_____	$_____
Other	$_____	$_____
All other receipts (sales of product, leasing or renting of property, etc.)	$_____	$_____
Total	$_____	$_____

* See enclosed map for area included in Providence SMSA.

SECTION II: RECEIPTS FROM FREIGHT MOVEMENTS AND WAREHOUSING
1965

Section II covers receipts for freight movements and warehousing by product groups by your Providence SMSA facilities. We realize that it would be very difficult for you, in most cases, to compile your receipts on an accounting basis both by product groups and by type of movement. We urge you to make the best estimates you can and assure you they will be helpful in developing the picture of the Providence SMSA the Defense Department wants. We ask that you estimate receipts for handling each product category divided into freight on inbound shipments, on outbound shipments, on shipments within the Providence SMSA and receipts from warehousing; we also ask you to estimate by product groups the percent of charges which were paid by firms located within the Providence SMSA (see enclosed map for area covered).

It will be most helpful to us if you identify product groups by the categories shown on the enclosed sheet which gives brief descriptions and the ICC codes to which the groups are generally related.

Total receipts for incoming shipments, outgoing shipments, etc. should equal amounts shown for 1965 in Section I.

Product Group No.	OUTBOUND SHIPMENTS Total Receipts (thousands of dollars)	OUTBOUND SHIPMENTS Percent Paid by Providence SMSA Firms	INBOUND SHIPMENTS Total Receipts (thousands of dollars)	INBOUND SHIPMENTS Percent Paid by Providence SMSA Firms	SHIPMENTS WITHIN PROVIDENCE SMSA Total Receipts (thousands of dollars)	SHIPMENTS WITHIN PROVIDENCE SMSA Percent Paid by Providence SMSA Firms	WAREHOUSING AND STORAGE Total Receipts (thousands of dollars)	WAREHOUSING AND STORAGE Percent Paid by Providence SMSA Firms
	$		$		$		$	
Total		XXXXX		XXXXX		XXXXX		XXXXX

SECTION III

PURCHASES OF SUPPLIES AND COMPONENTS

(Do not include capital equipment purchases.)

Schedule for the Transportation Industry - SIC 40-47

This section of the questionnaire deals with purchases which you made of Components, Supplies and Repair Parts from (A) producers in the Providence SMSA, (B) from wholesalers or retailers in the Providence SMSA, and (C) from all kinds of suppliers who are located outside the Providence SMSA, whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was manufactured in the Providence SMSA, and in column C if it was manufactured in the rest of the United States, or in a foreign country. The products listed below are those most widely purchased by members of the transportation industry as supplies and for maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications, please list the products in the blank spaces on the next page along with the dollar amount of the purchases for 1965. Use either the product classifications on the enclosed sheets or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter "Z" instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost , please indicate when these are excluded.

		Purchases in 1965 (thousands of dollars)*			
No.	Product Detail	A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U.S. and foreign** (directly or through broker)	D. Total (sum A, B and C)
32	Fabricated rubber and plastic products (including tires and tubes)	_____	_____	_____	_____
56	Radio, television & communication equipment Incl. public address systems; radar, sonar, heat & light sensing equip.; electronic navigational equipment; phonograph records	_____	_____	_____	_____
58	Batteries, X-ray apparatus & electrical equipment for internal combustion engines	_____	_____	_____	_____
59	Parts for motor vehicles exc. motorcycles Incl. misc. accessories but excludes tires & tubes, glass, radios & electrical equipment & parts	_____	_____	_____	_____
60	Aircraft equip. & parts exc. instruments & electrical system components	_____	_____	_____	_____

N. B. Please report purchases of lubricants, gasoline or other fuels and items on which you will show depreciation on your books in Section IV; PLEASE DO NOT REPORT THEM HERE.

SECTION III (Continued)

No.	Product Detail	Purchases in 1965 (thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U.S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
61	Components & parts for other transportation equip.(motorcycles, railroad locomotives & cars, ships, boats)				
	Other:				
	Packaging and shipping supplies not shown elsewhere				
	Office supplies not shown elsewhere				
TOTAL PURCHASES OF MATERIALS, COMPONENTS AND SUPPLIES					
PURCHASES OF GOODS FOR RESALE					

N. B. Please report purchases of lubricants, gasoline or other fuels and items on which you will show depreciation on your books in Section IV; PLEASE DO NOT REPORT THEM HERE.

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS AND CAPITAL EXPENDITURES

Please report other purchases and costs as detailed below.

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From Rest of U.S. and Foreign	C. Total (Sum of A and B)
A. Fuels and Electric Energy - Total			
Coal and Coke			
Gas (natural & mfg.)			
Gasoline, deisel fuel, lubricants and other petroleum products			
Electric energy			
B. Purchased Services - Total			
Transportation and warehousing charges:			
1. On incoming shipments			
2. On outgoing shipments			
Tug and towing services			
Stevedoring services			
Communications (telephone, telegraph, etc.)			
Packing and crating services			
Advertising			
Water and sanitary services			
Insurance and financial charges (incl. interest)			
Rent			
Business services (inc. credit reporting, legal, engineering, architectural, accounting, management consulting, data processing, etc.)			

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS AND CAPITAL EXPENDITURES (continued)

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From Rest of U.S. and Foreign	C. Total (sum of A and B)
Cost of repairs done by outside repair shop:			
a. On your autos and trucks			
b. On your aircraft			
c. On your ships			
Research and development done on fee or contract basis			
C. Contract Repair and Maintenance (If capitalized, report in Section D)			
1. Repair to buildings and structures (repair construction)			
2. Services to buildings (window cleaning, janitorial, exterminating, etc.)			
3. Equipment repair			
D. Capital Expenditures (Exclude value of land and used equipment purchases)			
1. Construction (plant and other) a. By Contractors			
b. By own work force			
2. Equipment (installed cost)			
E. Other Costs	Costs accrued in 1965 (in thousands of dollars)		
1. Wages & salaries	xxxx	xxxx	
2. Business travel and entertainment			
3. Taxes: a. Local property taxes and license fees	xxxx	xxxx	
b. Excise taxes	xxxx	xxxx	
4. Depreciation on plant & equipment	xxxx	xxxx	

PRODUCT CLASSIFICATION FOR SECTION II

Note: A statement in the description below that certain things are included, does not mean that they are the principal items in that classification.

Components, that is the partially fabricated or assembled items of a category, are included in the category unless expressly excluded or listed in another category, but the basic constituents of the product are not usually part of the category.

The ICC commodity classes noted for each product class are suggestive. Not all things in the given ICC commodity classes are in the product class and most product classes include products not in the ICC commodity classes noted under them.

1 Unprocessed livestock, poultry, milk & eggs
Excl. bottled milk, butter, cheese, meat & dressed poultry which are all in #14
ICC 201-213, 223, 227, 235

2 Other agricultural products (unprocessed)
ICC 1-13, 25-29, 33-37, 43, 49, 53-71, 77-89, 97-199

3 Forestry & fishery products (unprocessed)
ICC 243

5 Iron & ferroalloy ores exc. vanadium
Incl. raw & beneficiated nickel, manganese, tungsten, chromite, columbite & iron ores
ICC 309, 319 (part)

6 Nonferrous metal ores incl. vanadium
ICC 311-317, 319 (part)

7 Coal & lignite
ICC 301-305

8 Crude petroleum; natural & liquified gas
ICC 33'

9 Quarry products & sand, gravel, clay, etc.
Incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems
ICC 323-333, 399

10 Minerals for chemicals & fertilizers
Incl. sulfur, rock salt, barite, fluorspar, phosphate rock; potash, soda & boron salts
ICC 321, 341-345

13 Ordnance & accessories
Incl. completely assembled missiles & space vehicles, but components are in #60
ICC 619, 629, 631

14 Food & kindred products incl. animal feeds
Incl. ice; animal & vegetable oil & fats; alcoholic & nonalcoholic beverages; candy
ICC 15-23, 39, 41, 45, 47, 73, 75 (part) 91-95, 215-221, 225, 229-233, 239, 245, 299, 511-517, 521, 745-767, 773

15 Tobacco products
ICC 31, 775, 777

16 Broad & narrow woven fabrics; yarn & thread
ICC 727, 731, 733

17 Misc. textiles; lace, felt, scoured & combed wool & tops, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord
ICC 237, 713, 723, 735

18 Apparel incl. furs; knitting mill products
Incl. cut materials & apparel components, but findings & trimmings are in #19
ICC 729

19 Misc. fabricated textile products & services
Incl. canvas prod. & textile bags; apparel findings; curtains
ICC 725

20 Lumber & wood products except containers
Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members
ICC 401-411, 415, 499, 677-681, 703

21 Wooden containers (boxes, barrels, crates)
Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20
ICC 413, 781

22 Household furniture incl. mattresses
ICC 715, 717

23 Other furniture & fixtures except electric
ICC 715, 717

24 Paper & allied products except containers
Incl. pulp & pulp goods; cellophane etc. bags, exc. carbon & light sensitive papers
ICC 653-665, 669-673, 675 (part)

25 Paperboard & fiber containers & boxes
ICC 783, 785

26 Products of printing & publishing industry
ICC 667

27 Chemicals exc. plastic materials, drugs, etc.
Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14
ICC 417, 509, 519, 527-545

28 Plastic materials incl. synthetic rubber & synthetic fibers except glass
ICC 523, 551

29 Drugs, soap & other cleaning & toilet prep.
Incl. perfumes & cosmetics; detergents; wetting agents, emulsifiers & penetrants
ICC 553, 769

30 Paints & allied prod. incl. putty & sealers
ICC 547

31 Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds
ICC 339, 501-507

QUESTIONNAIRE FOR WHOLESALE TRADE ESTABLISHMENTS

SECTION I

GENERAL INFORMATION

FIRM NAME: _____

STREET ADDRESS _____

CITY: _____ TELEPHONE: _____

NAME OF PERSON COMPLETING QUESTIONNAIRE: _____

1. Total Sales (in thousands of dollars): 1963 $ _____

   1965 $ _____

   Note: Sales figures should be reported FOB warehouse, excluding transportation charges. (If it is not feasible to exclude transportation charges, please indicate when these are included in the sales values.)

2. Type of operation:

   _____ Merchant wholesaler

   _____ Manufacturer's sales branch

   _____ Agent or broker

   _____ Other (Specify) _____

3. Total purchases of merchandise for resale (in thousands of dollars): 1963 $ _____

   1965 $ _____

4. Total purchases in 1965 of:

   Packaging and shipping supplies $ _____

   Office supplies $ _____

   Auto and Truck Parts for repairs by your workers $ _____

   Gas, oil, tires, etc., for auto and truck oper. $ _____

Note: Purchases should be reported at delivered cost. (If it is not feasible to include transportation and warehousing costs, please indicate when these are excluded.) Purchases of fuels, electric energy, transportation and other services and capital equipment should be reported in Section IV.

II. DISTRIBUTION OF SALES
1965

This section of the questionnaire deals with your sales of merchandise. Section III deals with your purchases. Please divide your sales and purchases into the same product categories. If you wish you may use the product categories shown on the sheet accompanying the questionnaire. For each category please distribute the sales according to whether the customer is located (A) within the Providence Metropolitan Area (see accompanying map) or (B) elsewhere in the United States or in foreign countries. For sales to customers within the Providence Metropolitan Area, please show the percentage sold to "retailers," to "other wholesalers," to "private households" purchasing for their own consumption needs, and to "others" which includes manufacturers, other non-retailing businesses, schools, hospitals, etc. The total sales figure should agree with that reported in Section I for 1965.

	A. 1965 SALES to Providence SMSA Customers					B.	C.
Product Group	Total (in thousands of dollars)	Retailers	Other Wholesalers	Private Households	Others	All Other SALES (Rest of U.S. and foreign)	Total SALES (Sum of A & B)
	$					$	$
Total Sales	$	xxx	xxx	xxx	xxx	$	$

SECTION III

PURCHASES OF MERCHANDISE FOR RESALE

(Do not include supplies or capital equipment purchases.)

This section of the questionnaire deals with PURCHASES of items which you bought for resale as reported in Section II. These purchases should be distributed according to the location of the manufacturer of the product, that is (A) within the Providence Metropolitan Area, or (B) elsewhere in the United States or in foreign countries. (Purchases made through a broker, manufacturers' sales branches or another wholesaler should be distributed in the same manner -- if the item was manufactured in the Providence Metropolitan Area, it should be included in column A; otherwise, it should be included in column B). Please retain the product grouping you used in Section II. Total purchases of items for resale should be consistent with the total you reported in Section I.

Number of Product Group (See Section II)	1965 Purchases of Items for Resale (in thousands of dollars) A. From Producers in Providence SMSA	B. From rest of U.S. and foreign	C. Total (Sum of A and B)
_____	$ _____	$ _____	$ _____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total	$ _____	$ _____	$ _____

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS, AND CAPITAL EXPENDITURES

Please report other purchases and costs as detailed below.

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
A. Fuels and Electric Energy - Total	_____	_____	_____
Coal and Coke	_____	_____	_____
Gas (natural & mfg.)	_____	_____	_____
Fuel Oil and other fuels from petroleum (excl. gas & oil for motor vehicles which was reported in Section I)	_____	_____	_____
Electric energy	_____	_____	_____
B. Purchased Services - Total	_____	_____	_____
Transportation and warehousing charges: 1. On incoming shipments	_____	_____	_____
2. On outgoing shipments	_____	_____	_____
Communications (telephone, telegraph, etc.)	_____	_____	_____
Advertising	_____	_____	_____
Water and sanitary services	_____	_____	_____
Insurance and financial charges (incl. interest)	_____	_____	_____
Rent	_____	_____	_____
Business services (inc. credit reporting, legal, engineering, architectural, accounting, management consulting, data processing, etc.)	_____	_____	_____
Cost of auto and truck repair done by outside repair shop	_____	_____	_____
Research and development done on fee or contract basis	_____	_____	_____

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS, AND CAPITAL EXPENDITURES (continued)

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
C. Contract Repair and Maintenance (If uncapitalized, report in Section E)			
1. Repair to buildings and structures (repair construction)			
2. Services to buildings (window cleaning, janitorial, exterminating, etc.)			
3. Equipment repair			
D. Other Costs	Costs accrued in 1965 (in thousands of dollars)		
1. Wages & salaries	xxxx	xxxx	
2. Business travel and entertainment			
3. Taxes:			
a. Local property taxes and license fees	xxxx	xxxx	
b. Manufacturers' excise taxes	xxxx	xxxx	
4. Depreciation on plant & equipment	xxxx	xxxx	

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
E. Capital Expenditures (Exclude value of land and used equipment purchases)			
1. Construction (plant and other)			
a. By Contractors			
b. By own work force			
2. Equipment (installed cost)			

MANUFACTURING QUESTIONNAIRES

The cover; Part I, General Information; Part II, Distribution of Sales; and Part IV, Purchase of Fuels and Services, Other Costs, and Capital Expenditures are identical for all of the manufacturing questionnaires. Included here is one complete questionnaire and a Part III for each of the remaining 12 types.

Sent with manufacturing questionnaires

Notes on the Input-Output Questionnaire

The questionnaire asks you to report on both goods and services shipped and goods and services received. The information is classified by industry of destination and cross-classified by whether the destination (or source) was within the Providence SMSA (officially called the Providence-Pawtucket-Warwick, R. I. - Mass. Standard Metropolitan Statistical Area) or elsewhere in the U. S. or outside of the U. S.

A sheet attached to these notes shows the area covered by the Providence SMSA. As you will see the area includes Attleboro and North Attleboro and eight Massachusetts towns but excludes Westerly and Newport as well as 14 towns in southern and western Rhode Island.

To assist you in classifying products we have also attached a special sheet giving definitions of the products according to the industrial classification we have been asked to use. This classification is the one used in the input-output study of the United States made by the U. S. Dept. of Commerce. The Dept. of Defense has asked that our study follow this classification. If you produce or purchase products which do not seem to fall into any of the classes shown, please call us at 863-2506 so we can help you determine the correct industrial classification.

The four sections of the questionnaire are similar but the differences are great enough to warrant separate discussion of their details.

Section I.

You are asked to report your sales by the 5 digit SIC product classifications you have used in reporting to the U. S. Bureau of the Census. If you do not know the SIC product numbers for the things you produce, describe the product in some detail.

Section II.

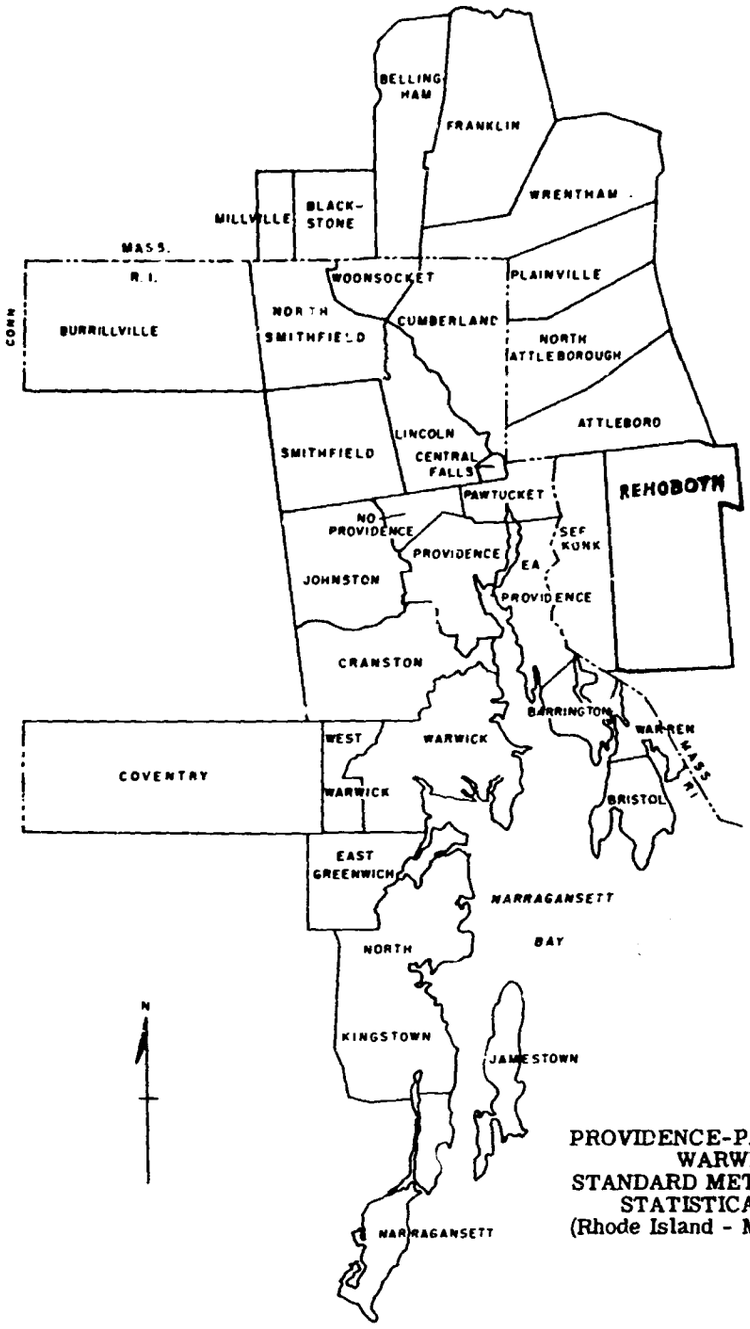
You are asked to show the dollar amount of sales by the industrial destination or the type of final consumption for sales within the Providence SMSA and your total sales outside the Providence SMSA (both in the rest of the U. S. and in foreign countries. In Sections I & II the figures should be reported f.o.b. plant including manufacturer's excise taxes.

Section III.

You are asked to classify your purchases of raw materials, components and supplies according to the industrial classification of the items received and according to the geographical location of your source of supply. (Note that the classification is by the items, not by the industry of the producing establishment.) You are asked to show items received from wholesalers or retailers separately from goods or services received directly from the producer. Note that purchases which are capitalized on your books should not be shown in Section III. In Sections III & IV amounts shown should represent landed cost.

Section IV

You are asked to report here purchases of fuel, electric energy, services (including repair services), wages and salaries, taxes, depreciation, etc., and your expenditures on capital account.



PROVIDENCE-PAWTUCKET-
WARWICK
STANDARD METROPOLITAN
STATISTICAL AREA
(Rhode Island - Massachusetts)

PRODUCT CLASSIFICATION FOR INPUT SECTION
(Section III of the Questionnaire)

Note: A statement in the description below that certain things are included, does not mean that they are the principal items in that classification.

Components, that is the partially fabricated or assembled items of a category, are included in the category unless expressly excluded or listed in another category, but the basic constituents of the product are not usually part of the category.

1 Unprocessed livestock, poultry, milk & eggs
Excl. bottled milk, butter, cheese, meat & dressed poultry which are all in #14

2 Other agricultural products (unprocessed)

3 Forestry & fishery products (unprocessed)
Incl. finfish, shellfish; standing timber, tree seedlings & seeds. Cut timber is #20

4 Agricultural, forestry & fishing services
Incl. cotton ginning, grist mills, etc.

5 Iron & ferroalloy ores except vanadium
Incl. raw & beneficiated nickel, manganese, tungsten, chromite, columbite & iron ores

6 Nonferrous metal ores incl. vanadium; metal mining services (ferrous & nonferrous)

7 Coal & lignite & related mining services

8 Crude petroleum; natural & liquified gas

9 Quarry products & sand, gravel, clay, etc.
Incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems

10 Minerals for chemicals & fertilizers
Incl. sulfur, rock salt, barite, fluorspar, phosphate rock; potash, soda & boron salts

11 New construction incl. oil drilling & explor.

12 Maintenance & repair construction

13 Ordnance & accessories
Incl. completely assembled missiles & space vehicles, but components are in #60

14 Food & kindred products incl. animal feeds
Incl. ice; animal & vegetable oils & fats; alcoholic & nonalcoholic beverages; candy

15 Tobacco products

16 Broad & narrow woven fabrics; yarn & thread
Incl. dyeing & finishing services

17 Misc. textiles; lace, felt, scoured & combed wool & tops, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord

18 Apparel incl. furs; knitting mill products
Incl. cut materials & apparel components, but findings & trimmings are in #19

19 Misc. fabricated textile products & services
Incl. stitching for the trade; canvas prod. & textile bags; apparel findings; curtains

20 Lumber & wood products except containers
Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members

21 Wooden containers (boxes, barrels, crates)
Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20

22 Household furniture incl. mattresses
(report only uncapitalized purchases)

23 Other furniture & fixtures except electric
(report only uncapitalized purchases)

24 Paper & allied products except containers
Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers

25 Paperboard & fiber containers & boxes

26 Products of printing & publishing industry

27 Chemicals exc. plastic materials, drugs, etc.
Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14

28 Plastic materials incl. synthetic rubber & synthetic fibers except glass

29 Drugs, soap & other cleaning & toilet prep.
Incl. perfumes & cosmetics; detergents; wetting agents, emulsifiers & penetrants

30 Paints & allied prod. incl. putty & sealers

31 Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)

32 Fabricated rubber & plastic products

33 Leather & industrial leather belting
Incl. textile leathers & mechanical packings. Gaskets are in #36

34 Other leather products & nonrubber footwear

35 Glass & glass products incl. textile fibers
Lenses are in #63 & insulation is in #36

36 Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool

37 Steel mill & foundry products & forgings

38 Nonferrous metal mill & foundry products & forgings; alumina; insulated wire

39 Metal containers incl. cans, drums, barrels, kegs & pails

40 Plumbing fittings & fix.; heating equip. exc. electric; fabricated structural metal prod.
Indus. process furnaces & ovens are in #49

41 Screw machine products & metal stampings
Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods

42 Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products

43 Engines & turbines except auto & aircraft
Incl. all diesel & semidiesel engines here if they are uncapitalized purchases

44 Farm machinery & equipment

45 Construction, mining & oilfield machinery & equipment

46 Materials handling machinery & equipment
Incl. elevators, escalators, auto lifts, conveyors, cranes, hoists, indus. tractors

47 Metal working machinery & equipment
Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices

48 Machinery & equip. for food products, paper, printing, bookbinding, textile, shoemaking, woodworking, cotton ginning & smelting

49 Unspecialized industrial machinery & equip.
Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip

50 Misc. machinery & repair parts exc. electric
Usually produced to order by machine shops but includes pistons & rings & carburetors

51 Office, computing & accounting machines & scales & balances except laboratory type

52 Air conditioners & service industry machines
Incl. industrial vacuum cleaners: dispensing pumps; automatic merchandizing mach.

53 Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products

54 Household appliances

55 Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment

56 Radio, television & communication equipment
Incl. public address systems; radar & heat & light sensing equip.; phonograph records

57 Electronic tubes & solid state devices, cathode ray tubes & components & accessories

58 Batteries, X-ray apparatus & electrical equipment for internal combustion engines

59 Motor vehicles & equip. except motorcycles
Excl. electrical equipment, tires, glass, radios, etc. purchased separately

60 Aircraft & parts exc. instruments & electric system components. Complete space vehicles & missiles are #13 but components are here

61 Other transportation equipment
Motor vehicles are in #59; aircraft in #60

62 Watches & clocks; medical, surgical, dental, engineering & lab instruments, equipment & measuring & control devices exc. opthalmic

63 Optical, opthalmic & photo equip. & supplies
Incl. spectroscopes, colorimeters, etc.

64 Jewelry, silverware, toys & misc. mfg goods
Incl. signs & advertising displays, brooms & brushes; needles, pins, buttons, costume novelties; lineleum; lamp shades; matches

Plant Questionnaire

(Include information for this plant only.)

I. GENERAL INFORMATION

Firm name: _____

Street address: _____

City: _____ Telephone: _____

Location of plant: _____

Name of person completing questionnaire: _____

Total sales: (in thousands of dollars) 1963 $_____ 1965 $_____

Please list below the products which you manufacture and give the 1965 sales volume for each. (The 5-digit SIC product class detail reported to the U. S. Bureau of the Census will be satisfactory.)

Product		1965 (in thousands of dollars)
A. _____	SIC _____	$_____
B. _____	SIC _____	$_____
C. _____	SIC _____	$_____
D. _____	SIC _____	$_____
E. _____	SIC _____	$_____
F. _____	SIC _____	$_____
G. _____	SIC _____	$_____
H. Other receipts (receipts for contract work, sales of scrap, sales of electric energy, other miscellaneous receipts)		$_____
	Total Sales, 1965	$_____

Note: Sales should be reported f.o.b. plant, including manufacturers' excise taxes but excluding transportation charges. (If it is not feasible to exclude transportation charges, please indicate when these are included in the sales values.)

Budget Bureau No. 120-6603
(approval expires Dec. 31, 1966)

SURVEY OF INTER-INDUSTRY RELATIONS

Providence Metropolitan Area

(Providence-Pawtucket-Warwick, R. I. - Mass.
Standard Metropolitan Statistical Area)

Individual company figures will not be revealed. The final report of this study will contain only figures for total industries consisting of at least several individual firms.

II. DISTRIBUTION OF SALES

This section of the questionnaire deals with SALES of your product(s). Industry detail is requested for your sales within the Providence Metropolitan Area (see map). Total sales figure should be consistent with value shown in Section I.

	SALES for 1965 (In thousands of dollars)
A. Your sales within the Providence Metropolitan Area to:	
1. Other manufacturing plants	$_____
2. Nonmanufacturing establishments (excluding trade) (specify type) _____	$_____
3. Wholesale trade establishments	$_____
4. Retail trade establishments	$_____
5. Private households (purchasing for their own consumption needs)	$_____
6. Federal Government	$_____
7. State and Local Government	$_____
B. All other sales (rest of the United States & foreign)	$_____
C. Total Sales, 1965 (Sum of A and B)	$_____

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Textile and Textile Products Manufacturers - SIC 22 & 23 and 3992

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts (A) from producers in the Providence SMSA (either direct or through brokers (B) from wholesalers or retailers in the Providence SMSA and (C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
1	Unprocessed livestock, poultry, milk & eggs Excl. bottled milk, butter, cheese, meat & dressed poultry which are all in #14	_____	_____	_____	_____
2	Other agricultural products (unprocessed)	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
3	Forestry & fishery products (unprocessed) Incl. standing timber, gums, barks, etc.; tree seedlings & seeds; finfish, shellfish, turtles, frogs, etc., & seaweed & sponges. Cut timber is in #20				
16	Broad & narrow woven fabrics; yarn & thread Incl. dyeing & finishing services				
17	Misc. textiles; lace, felt, scoured & combed wool & tops, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord				
18	Apparel incl. furs; knitting mill products Incl. cut materials & apparel components, but findings & trimmings are in #19				
19	Misc. fabricated textile products and services Incl. stitching for the trade; canvas prod. & textile bags; apparel findings; curtains				
24	Paper and allied products except containers Incl pulp and pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals etc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
32	Fabricated rubber & plastic products				
33	Leather & industrial leather belting Incl. textile leathers & mechanical packings. Gaskets are in #36				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
48	Machinery & equip. for food products, paper, printing, bookbinding, textile, shoemaking, woodworking, cotton ginning & smelting				
64	Jewelry, silverware, toys & misc. mfg. goods Incl. signs & advertising displays; brooms & brushes; needles, pins, buttons, costume novelties; linoleum; lamp shades; matches				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS, AND CAPITAL EXPENDITURES

Please report other purchases and costs as detailed below.

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
A. Fuels and Electric Energy - Total	_____	_____	_____
Coal and Coke	_____	_____	_____
Gas (natural & mfg.)	_____	_____	_____
Fuel Oil and other fuels from petroleum (excl. for motor vehicles)	_____	_____	_____
Electric energy	_____	_____	_____
B. Purchased Services - Total	_____	_____	_____
Transportation and warehousing charges: 1. On incoming shipments	_____	_____	_____
2. On outgoing shipments	_____	_____	_____
Communications (telephone, telegraph, etc.)	_____	_____	_____
Advertising	_____	_____	_____
Water and sanitary services	_____	_____	_____
Insurance and financial charges (inc. interest)	_____	_____	_____
Rent	_____	_____	_____
Business services (inc. credit reporting, legal, engineering, architectural, accounting, management consulting, data processing, etc.)	_____	_____	_____
Cost of auto and truck repair done by outside repair shop	_____	_____	_____
Research and development done on fee or contract basis	_____	_____	_____

IV. PURCHASES OF FUELS AND SERVICES, OTHER COSTS, AND CAPITAL EXPENDITURES (continued)

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
C. Contract Repair and Maintenance (If capitalized, report in Section E)			
1. Repair to buildings and structures (repair construction)			
2. Services to buildings (window cleaning, janitorial, exterminating, etc.)			
3. Equipment repair			

D. Other Costs	Costs accrued for 1965 (in thousands of dollars)		
1. Wages & salaries	xxxx	xxxx	
2. Business travel and entertainment			
3. Taxes:			
a. Local property taxes and license fees	xxxx	xxxx	
b. Manufacturers' excise taxes	xxxx	xxxx	
4. Depreciation on plant & equipment	xxxx	xxxx	

	Purchases in 1965 (in thousands of dollars)		
	A. From Suppliers in Providence SMSA	B. From the Rest of U.S. and Foreign	C. Total (Sum of A and B)
E. Capital Expenditures (Exclude value of land and used equipment purchases)			
1. Construction (plant and other)			
a. By contractors			
b. By own work force			
2. Equipment (installed cost)			

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Lumber, Wood Products, Furniture & Fixtures Manufacturers - SIC 24 & 25

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts (A) from producers in the Providence SMSA (either direct or through brokers) (B) from wholesalers or retailers in the Providence SMSA and (C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest or the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
3	Forestry & fishery products (unprocessed) Incl. finfish, shellfish; standing timber, tree seedings & seeds. Cut timber is #20	_____	_____	_____	_____
14	Food & kindred products incl. animal feeds Incl. ice; animal & vegetable oils & fats; alcoholic & non alcoholic beverages; candy	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
16	Broad & narrow woven fabrics; yarn & thread Incl. dyeing & finishing services				
17	Misc. textiles; lace, felt, scoured & combed wool & tops, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord				
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members				
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20				
22	Household furniture incl. mattresses (report only uncapitalized purchases)				
23	Other furniture & fixtures except electric (report only uncapitalized purchases)				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in # 14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
30	Paints & allied prod. incl. putty & sealers				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				

FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION

47 Metal working machinery & equipment Incl. blades; dies & tools; jugs & fixtures; molds; precision measuring devices				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Paper and Allied Products Manufacturers, Printers and Publishers and for Tobacco Products Manufacturers - SIC 21, 26 & 27

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintanance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

		Purchases in 1965 (in thousands of dollars)*			
No.	Product Detail	A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
1	Unprocessed livestock, poultry, milk & eggs Excl. bottled milk, butter, cheese, meat and dressed poultry which are in #14	_____	_____	_____	_____
2	Other agricultural products (unprocessed)	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
9	Quarry products & sand, gravel, clay, etc. Incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems				
10	Minerals for chemicals & fertilizers Incl. sulfur, rock salt, barite, fluorspar, phosphate rock; potash, soda & boron salts				
14	Food & kindred products incl. animal feeds Incl. ice; animal & vegetable oils & fats; alcoholic & nonalcoholic beverages; candy				
15	Tobacco products				
16	Broad & narrow woven fabrics; yarn & thread Incl. dyeing & finishing services				
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members				
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
32	Fabricated rubber & plastic products				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
48	Machinery & equip. for food products, paper, printing, bookbinding, textile, shoemaking, woodworking, cotton ginning & smelting				
63	Optical, opthalmic & photo equip. & supplies Incl. spectroscopes, colorimeters, etc.				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Food and Kindred Products Manufacturers - SIC 20

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA, whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
1	Unprocessed livestock, poultry, milk & eggs Excl. bottled milk, butter, cheese, meat & dressed poultry which are all in #14				
2	Other agricultural products (unprocessed)				
3	Forestry & fishery products (unprocessed) Incl. finfish, shellfish; standing timber, tree seedlings & seeds. Cut timber is # 20				

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
10	Minerals for chemicals & fertilizers Incl. sulfur, rock salt, barite, fluorspar, phosphate rock; potash, soda & boron salts				
14	Food & kindred products incl. animal feeds Incl. ice; animal & vegetable oils & fats; alcoholic & nonalcoholic beverages; candy				
19	Misc. fabricated textile products & services Incl. stitching for the trade; canvas prod. & textile bags; apparel findings; curtains				
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
29	Drugs, soap & other cleaning & toilet prep. Incl. perfumes & cosmetics; detergents; wetting agents, emulsifiers & penetrants				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
39	Metal containers incl. cans, drums, barrels, kegs & pails				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Manufacturers of Chemicals, Plastics, Synthetics, Drugs and Paints - SIC 28

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
3	Forestry & fishery products (unprocessed) Incl. finfish, shellfish; standing timber, tree seedlings & seeds. Cut timber is #20				
5	Iron & ferroalloy ores except vanadium Incl. raw & beneficiated nickel, manganese, tungsten, chromite, columbite & iron ores				

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
6	Nonferrous metal ores incl. vanadium; metal mining services (ferrous & nonferrous)				
7	Coal & lignite & related mining services				
5	Quarry products & sand, gravel, clay, etc. Incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems				
10	Minerals for chemicals & fertilizers Incl. sulfur, rock salt, barite, fluorspar, phosphate rock, potash, soda & boron salts				
14	Food & kindred products incl. animal feeds Incl. ice; animal & vegetable oils & fats; alcoholic & nonalcoholic beverages; candy				
19	Misc. fabricated textile products & services Incl. stitching for the trade; canvas prod. & textile bags; apparel findings; curtains				
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
29	Drugs, soap & other cleaning & toilet prep. Incl. perfumes & cosmetics; detergents; wetting agents, emulsifiers & penetrants				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler and pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Non errous metal mill & foundry products & forgings; alumina; insulated wire				
39	Metal containers incl. cans, drums, barrels, kegs & pails				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
43	Machinery & equip. for food products, paper, printing, bookbinding, textile, shoemaking, woodworking, cotton ginning and smelting				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (Continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Manufacturers of Petroleum, Rubber, Leather, Glass, Stone & Clay Products - STC 29, 30, 31, 32

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

		Purchases in 1965 (in thousands of dollars)*			
No.	Product Detail	A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
7	Coal & lignite & related mining services	_____	_____	_____	_____
8	Crude petroleum; natural & liquified gas	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
9	Quarry products & sand, gravel, clay, etc. Incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems				
10	Minerals for chemicals & fertilizers Incl. sulfur, rock salt, barite, fluorspar, phosphate rock; potash, soda & boron salts				
16	Broad & narrow woven fabrics; yarn & thread incl. dyeing & finishing services				
17	Misc. textiles; lace, felt, scoured & combed wool & tops, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord				
18	Apparel incl. furs; knitting mill products Incl. cut materials & apparel components, but findings & trimmings are in #19				
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members				
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
29	Drugs, soap & other cleaning & toilet prep. Incl. perfumes & cosmetics; detergents; wetting agents, emulsifiers & penetrants				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
33	Leather & industrial leather belting Incl. textile leathers & mechanical packings. Caskets are in #36				
34	Other leather products & nonrubber footwear				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
39	Metal containers incl. cans, drums, barrels, kegs & pails				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				

FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION

55 Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PRUCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Primary Metal Manufacturers - SIC 33

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
5	Iron & ferroalloy ores except vanadium Incl. raw & beneficiated nickel, manganese, tungsten, chromite, columbite & iron ores	_____	_____	_____	_____
6	Nonferrous metal ores incl. vanadium; metal mining services (ferrous & nonferrous)	_____	_____	_____	_____
7	Coal & lignite & related mining services	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
9	Quarry products & sand, gravel, clay, etc. incl. gypsum, mica, native asphalt, pumice, talc, soapstone, natural abrasives & gems				
10	Minerals for chemical & fertilizers Incl. sulfur, rock salt, barite, fluorspar, phosphate rock; potash, soda & boron salts				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive paper.				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only unscapitalized purchases here)				
32	Fabricated rubber & plastic products				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
	FOR ITEMS LISTED BELOW IT IS EXPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
50	Misc. machinery & repair parts exc. electric Usually produced to order by machine shops but includes pistons & rings & carburetors				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Fabricated Metal Products Manufacturers - SIC 34, 351, 352, 356

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members	_____	_____	_____	_____
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Inc. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
30	Paints & allied prod. incl. putty & sealers				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				

FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION

44	Farm machinery & equipment				
47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
50	Misc. machinery & repair parts exc. electric Usually produced to order by machine shops but includes pistons & rings & carbur.				

IIV. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
53	Electric transmission & distributic equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
58	Batteries, X-ray apparatus & electrical equipment for internal combustion engines				
59	Motor vehicles & equip. except motorcycles Excl. electrical equipment, tires, glass, radios, etc. purchased separately				
62	Watches & clocks; medical, surgical, dental, engineering & lab instruments, equipment & measuring & control devices exc. opthalmic				

SIC 34, 351, 352, 356

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Manufacturers of Specialized Industrial Machinery & Equipment - SIC 353, 354, 355, 359

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
20	Lumber & wood products except containers Inc. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members	_____	_____	_____	_____
26	Products of printing & publishing industry	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
40	Plumbing fittings & fix.; heating equip. exc. electric; fabricated structural metal prod. Indus. process furnaces & ovens are in #49				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
43	Engines & turbines except auto & aircraft Incl. all diesel & semidiesel engines here if they are uncapitalized purchases				
45	Construction, mining & oilfield machinery & equipment				
46	Materials handling machinery & equipment Incl. elevators, escalators, auto lifts, conveyors, cranes, hoists, indus. tractors				
47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				
48	Machinery & equip. for food products, paper, printing, bookbinding, textile, shoemaking, woodworking, cotton ginning & smelting				

III. PURCHASES OF RAW MATERIALS AND COMPENENTS (continued)

No.	Product Detail	A.	B.	C.	D.
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
50	Misc. machinery & repair parts exc. electric Usually produced to order by machine shops but includes pistons & rings & carburetors				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				

III. PURCHASES OF RAW MATERIALS ANC COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Manufacturers of Special Equipment mostly electrical - SIC 357, 361, 362, 364, 365, 366, 367, 369, 373, 374, 375, 379

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members	_____	_____	_____	_____
22	Household furniture incl. mattresses (report only uncapitalized purchases)	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
23	Other furniture & fixtures except electric (report only uncapitalized purchases)				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
30	Paints & allied prod. incl. putty & sealers				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
40	Plumbing fittings & fix.; heating equip. exc. electric; fabricated structural metal prod. Indus. process furnaces & ovens are in #49				

SIC 357, 361, 362, 364, 365, 366, 367, 369, 373, 374, 375, 379

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
43	Engines & turbines except auto & aircraft Incl. all diesel & semidiesel engines here if they are uncapitalized purchases				
45	Construction, mining & oilfield machinery & equipment				
46	Materials handling machinery & equipment Incl. elevators, escalators, auto lifts, conveyors, cranes, hoists, indus. tractors				
47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
50	Misc. machinery & repair parts exc. electric Usually produced to order by machine shops but includes pistons & rings & carburetors				
51	Office, computing & accounting machines & scales & balances except laboratory type				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
54	Household appliances				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				

SIC 357, 361, 362, 364, 365, 366, 367, 369, 373, 374, 375, 379

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
57	Electronic tubes & solid state devices, cathode ray tubes & components & accessories				
58	Batteries, X-ray apparatus & electrical equipment for internal combustion engines				
59	Motor vehicles & equip. except motorcycles Excl. electrical equipment, tires, glass, radios, etc. purchased separately				
61	Other transportation equipment Motor vehicles are in #59; aircraft in #60				
64	Jewelry, silverware, toys & misc. mfg. goods Incl. signs & advertising displays; brooms & brushes; needles, pins, buttons, costume novelties; linoleum; lamp shades; matches				

SIC 357, 361, 362, 364, 365, 366, 367, 369, 373, 374, 375, 379

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Miscellaneous Manufacturers incl. Jewelry - SIC 358, 363, 39

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
16	Broad & narrow woven fabrics; yarn & thread Incl. dyeing & finishing services	_____	_____	_____	_____
17	Misc. textiles; lace, felt, scoured & combed wool & tops, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If is is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
20	Lumber & wood products except containers Incl. cut timber, veneer, plywood, cork & particleboard; prefab. bldgs. & members				
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
28	Plastic materials incl. synthetic rubber & synthetic fibers except glass				
30	Paints & allied prod. incl. putty & sealers				
31	Petroleum products; asphalt paving, roofing, roofing cement; packaged fuel of all kinds (report only uncapitalized purchases here)				
32	Fabricated rubber & plastic products				
33	Leather & industrial leather belting Incl. textile leathers & mechanical packings. Gaskets are in #36				
34	Other leather products & nonrubber footwear				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
40	Plumbing fittings & fix.; heating equip. exc. electric; fabricated structural metal prod. Indus. process furnaces & ovens exc. in #49				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				
	FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION				
47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
52	Air conditioners & service industry machines Incl. industrial vacuum cleaners: dispensing pumps; automatic merchandizing mach.				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
54	Household appliances				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				
62	Watches & clocks; medic , surgical, dental, engineering & lab ins uments, equipment & measuring & control devices exc. opthalmic				
64	Jewelry, silverware, toys & misc. mfg. goods Incl. signs & advertising displays; brooms & brushes; needles, pins, buttons, costume novelties; linoleum; lamp shades; matches				

SIC 358, 363, 39

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Manufacturers of Motor vehicles and equipment, Ordnance & Accessories - SIC 19, 371

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions of the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not fessible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
13	Ordnance & accessories Incl. completely assembled missiles & space vehicles, but components are in #60				
17	Misc. textiles; lace, felt, scoured & combed wool & top, rugs & carpets exc. hard surf.; coated fab. exc. rubberized; twine & cord				

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when there are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
19	Misc. fabricated textile products & services Incl. stitching for the trade; canvas prod. & textile bags; apparel findings; curtains				
21	Wooden containers (boxes, barrels, crates) Incl. wirebound & veneer, plywood & splint containers & shook. Cooperage stock in #20				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
30	Paints & allied prod. incl. putty & sealers				
32	Fabricated rubber & plastic products				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				

FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION

43	Engines & turbines except auto & aircraft Incl. all diesel & semidiesel engines here if they are uncapitalized purchases				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
50	Misc. machinery & repair parts exc. electric Usually produced to order by machine shops but includes pistons & rings & carburetors				
52	Air conditioners & service industry machines Incl. industrial vacuum cleaners; dispensing pumps; automatic merchandizing mach.				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				
56	Radio, television & communication equipment Incl. public address systems; radar & heat & light sensing equip., phonograph records				
58	Batteries, X-ray apparatus & electrical equipment for internal combustion engines				
59	Motor vehicles & equip. except motorcycles Excl. electrical equipment, tires, glass, radios, etc. purchased separately				
60	Aircraft & parts exc. instruments & electric system components. Complete space vehicles & missiles are #13 but components are here				
62	Watches & clocks; medical, surgical, dental, engineering & lab instruments, equipment & measuring & control devices exc. opthalmic				
64	Jewelry, silverware, toys & misc. mfg. goods Incl. signs & advertising displays; brooms & brushes; needles, pins, buttons, costume novelties; linoleum; lamp shades; matches				

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III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

III. PURCHASES OF RAW MATERIALS AND COMPONENTS

(Do not include capital equipment purchases)

Schedule for Manufacturers of Aircraft & parts and professional, scientific & photographic equipment - SIC 372, 38

This section of the questionnaire deals with purchases which you made of Raw Materials, Components, Production Supplies and Repair Parts
(A) from producers in the Providence SMSA (either direct or through brokers)
(B) from wholesalers or retailers in the Providence SMSA and
(C) from all kinds of suppliers who are located outside the Providence SMSA whether in the rest of the United States or in foreign countries. Purchases made through a broker should be reported in column A if the product was produced in the Providence SMSA, and in column C if it was produced in the rest of the United States or in a foreign country. The products listed below are those most widely purchased by members of your general industry group as raw materials, components and supplies for production or maintenance (excluding capitalized purchases). The list is by no means exhaustive and if you purchased products which do not fall into these classifications please list the products in the blank spaces on the next page along with the dollar amount of purchases for 1965. Use either the product classifications on the enclosed sheet or give detailed descriptions the products. Purchases amounting to less than one percent of your total purchases from that category of supplier may be indicated by the letter Z instead of the dollar amount. All purchases should be reported at delivered cost. If it is not feasible to include transportation and warehousing cost, please indicate when these are excluded.

No.	Product Detail	Purchases in 1965 (in thousands of dollars)* A. From producer in Providence SMSA (directly or through broker)	B. From wholesaler or retailer in Providence SMSA	C. From rest of U. S. and foreign** (directly or through broker)	D. Total (sum of A, B and C)
13	Ordnance & accessories Incl. completely assembled missiles & space vehicles, but components are in #60	_____	_____	_____	_____
14	Food & kindred products incl. animal feeds Incl. ice; animal & vegetable oils & fats; alcoholic & non alcoholic beverages; candy	_____	_____	_____	_____
16	Broad & narrow woven fabrics; yarn & thread Incl. dyeing & finishing services	_____	_____	_____	_____

* Purchases should be reported at delivered cost. (If it is not feasible to include transport and warehousing costs, please indicate when these are excluded.)

** For purchases from outside the Providence SMSA it is not necessary to distinguish between purchases from producers and those from wholesalers and retailers.

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
22	Household furniture incl. mattresses (report only uncapitalized purchases)				
23	Other furniture & fixtures except electric (report only uncapitalized purchases)				
24	Paper & allied products except containers Incl. pulp & pulp goods; cellophane etc. bags. Exc. carbon & light sensitive papers				
25	Paperboard & fiber containers & boxes				
26	Products of printing & publishing industry				
27	Chemicals exc. plastic materials, drugs, etc. Incl. oil & water treating & waterproofing comp.; gum & wood chem.; glue; explosives; printing ink; pigments. Food color in #14				
32	Fabricated rubber & plastic products				
35	Glass & glass products incl. textile fibers Lenses are in #63 & insulation is in #36				
36	Cement, lime & concrete ; stone, clay, gypsum, asbestos & abrasive prod. incl. steam packing, boiler & pipe covering & mineral wool				
37	Steel mill & foundry products & forgings				
38	Nonferrous metal mill & foundry products & forgings; alumina; insulated wire				
41	Screw machine products & metal stampings Incl. bolts, nuts, screws, rivets, washers & formed & threaded wire goods				
42	Misc. fabricated metal prod.; electroplating, plating, anodizing & engraving. Incl. hand tools, cutlery, springs & wire products				

FOR ITEMS LISTED BELOW IT IS ESPECIALLY IMPORTANT TO REMEMBER THAT ONLY UNCAPITALIZED PURCHASES ARE TO BE REPORTED IN THIS SECTION

47	Metal working machinery & equipment Incl. blades; dies & tools; jigs & fixtures; molds; precision measuring devices				

III. PURCHASES OF RAW MATERIALS ANC COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
49	Unspecialized industrial machinery & equip. Incl. ball bearings, blowers, compressors, pumps; mechanical power transmission equip.				
50	Misc. machinery & repair parts exc. electric Usually produced to order by machine shops but includes pistons & rings & carburetors				
51	Office, computing & accounting machines & scales & balances except laboratory type				
53	Electric transmission & distribution equip.; motors, generators & controls; measuring & test equipment; carbon & graphite products				
55	Electric lighting & wiring equipment, bulbs & tubes; nonelectric lighting equipment				
56	Radio, television & communication equipment Incl. public address systems; radar & heat & light sensing equip.; phonograph records				
57	Electronic tubes & solid state devices, cathode ray tubes & components & accessories				
58	Batteries, X-ray apparatus & electrical equipment for internal combustion engines				
60	Aircraft & parts exc. instruments & electric system components. Complete space vehicles & missiles are #13 but components are here				
62	Watches & clocks; medical, surgical, dental engineering & lab instruments, equipment & measuring & control devices exc. opthalmic				
63	Optical, opthalmic & photo equip. & supplies Incl. spectroscopes, colorimeters, etc.				
64	Jewelry, silverware, toys & misc. mfg. goods Incl. signs & advertising displays; brooms & brushes; needles, pins, buttons, costume novelties; linoleum; lamp shades; matches				

III. PURCHASES OF RAW MATERIALS AND COMPONENTS (continued)

No.	Product Detail	A.	B.	C.	D.
Packaging & shipping supp. not shown elsewhere					
Office supplies not shown elsewhere					
Auto & truck parts for repairs by your workers					
Gas, oil, tires, etc. for auto & truck oper.					
TOTAL PURCHASES OF MATERIALS, COMPONENTS & SUPPLIES					
PURCHASES OF GOODS FOR RESALE					
PURCHASED CONTRACT WORK (for production only)					

UNCLASSIFIED

Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY *(Corporate author)* INSTITUTE FOR DEFENSE ANALYSES PROGRAM ANALYSIS DIVISION	2a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED 2b. GROUP

3. REPORT TITLE

METHODS USED IN DEVELOPING INPUT-OUTPUT TABLES FOR THE PROVIDENCE STANDARD METROPOLITAN STATISTICAL AREA, 1963

4. DESCRIPTIVE NOTES *(Type of report and inclusive dates)*

5. AUTHOR(S) *(First name, middle initial, last name)*

CALEB A. SMITH

6. REPORT DATE OCTOBER 1967	7a. TOTAL NO. OF PAGES 94	7b. NO. OF REFS
8a. CONTRACT OR GRANT NO. OCD PS 66 113 b. PROJECT NO. c. d.	9a. ORIGINATOR'S REPORT NUMBER(S) INTERNAL NOTE N-542(R) 9b. OTHER REPORT NO(S) *(Any other numbers that may be assigned this report)*	

10. DISTRIBUTION STATEMENT

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11. SUPPLEMENTARY NOTES VOLUME II (APPENDIX) OF 2 VOLUMES	12. SPONSORING MILITARY ACTIVITY Office of Civil Defense Office of the Secretary of the Army

13. ABSTRACT

This working paper details the interindustry relations in the Providence-Pawtucket-Warwick, Rhode Island-Massachusetts, Standard Metropolitan Statistical Area (SMSA) for the year 1963 in the form of input-output tables. The two volumes of this paper describe how these regional tables having the same sectors as the national table published by the Office of Business Economics can be compiled.

DD FORM 1 NOV 65 1473

UNCLASSIFIED

Security Classification

Security Classification

14 KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT

Security Classification