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ABSTRACT

This report is the latest in a series of annual reports to the President and Congress on total Federal obligations (excluding loans) awarded to individual institutions of higher education and selected nonprofit institutions. A major portion of the report focuses on Federal obligations to universities and colleges for research and development, R & D facilities, and science education. Science education is examined in terms of three broad areas of support: fellowships, traineeships, and training grants; general support for science; and facilities and equipment for instruction in science and engineering. Data on Federal funding of nonscience activities are also given to provide a total picture of Federal support of higher education. In addition to analysis by type of activity are analyses and tabulations showing agency sources of support, trend data, field-of-science data, distribution of funds by State, distribution of funds by institution, and distribution of funds by type of control. (Author/MJM)

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A REPORT TO THE PRESIDENT AND CONGRESS

Federal Support to Universit Colleges, and Selected Non Institutions, Fiscal Year 1971

ED 076128

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D CONGRESS

t Support to Universities, , and Selected Nonprofit Fiscal Year 1971

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[illegible] Universities, Colleges, and Selected Nonprofit [illegible], Fiscal Year 1970	71-28	$1.25
[illegible] Activities of Independent Nonprofit Institutions, 1970	71-9	$0.70

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This report is the latest in a series of annual reports to the President and Congress on total Federal obligations (excluding loans) awarded to individual institutions of higher education and selected nonprofit institutions. A major portion of the report focuses on Federal obligations to universities and colleges for research and development, R&D facilities, and science education. Science education is examined in terms of three broad areas of support: fellowships, traineeships, and training grants; general support for science; and facilities and equipment for instruction in science and engineering. Data on Federal funding of nonscience activities are also given to provide a total picture of Federal support of higher education. In addition to analyses by type of activity, included are analyses and tabulations showing (1) agency sources of support; (2) trend data; (3) field of science data; (4) distribution of funds by State; (5) distribution of funds by institution; (6) distribution of funds by type of control.

ED 076158

A REPORT TO THE PRESIDENT AND CONGRESS

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1971

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LETTER OF TRANSMITTAL

Washington, D.C.

DEAR MR. PRESIDENT:

I have the honor to transmit to you this report, *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1971* as required by the National Science Foundation Act as amended through August 1968.

Respectfully,

H. GUYFORD STEVER
Director
National Science Foundation.

The Honorable
The President of the United States

Identical letters have been sent to:
The President of the Senate.
The Speaker of the House of Representatives.

general notes

- The Federal obligations in this study were reported by 14 agencies that accounted for more than 95 percent of all Federal support to universities and colleges.
- The Federal obligations shown in this report for the 74 selected nonprofit research institutes and 27 Federally Funded Research and Development Centers (FFRDC's) administered by nonprofit institutions comprised approximately 85 percent of total Federal support to all research institutes and FFRDC's managed by nonprofit institutions.
- Hospitals, professional and technical societies, academies of science, museums, and philanthropic foundations are not included in this study. These types of organizations account for approximately 40 percent of total Federal R&D support to nonprofit institutions other than universities and colleges.
- Federal obligations are reported for the Federal fiscal year, ending June 30 of the year shown.
- Educational data are for the academic year, 1969-70.

acknowledgments

This report was developed in the Statistical
Division of Science Resources Studies, under
Kenneth Sanow, Head. The survey was condu
under the direction of William L. Stewart, S
demic Science Studies Group. The data we
written by Robert Loycano and Suzanne Sale.
preparation of statistical material.

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FOREWORD

This report is the fourth in a series of annual reports to the President and Congress on current patterns of Federal funding of research, development, and other science-related activities at universities, colleges, and other nonprofit institutions, as required by the 1968 amendment to the NSF Act of 1950. Funding patterns are examined in terms of specific types of science activities, fields of science, agency sources of support, and geographic and institutional distribution of funds. The source of the information is the Government-wide data system established by the Committee on Academic Science and Engineering (CASE).

We extend our appreciation to staff members of the cooperating agencies, without whose help this compilation would be impossible. The analysis and preparation of the report were carried out by the Division of Science Resources Studies, Thomas J. Mills, Director. The Management Information Office, George Pilarinos, Management Information Officer, was responsible for processing the data.

H. Guyford Stever
Director
National Science Foundation

December 1972

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HIGHLIGHTS

TOTAL FEDERAL OBLIGATIONS

- Total Federal obligations (exclusive of loans) to institutions of higher education increased both in current and constant dollars from 1970-71. The current-dollar volume went up $253 million, or 8 percent, to a record level of $3,480 million. In constant dollars Federal funding increased 2 percent, the first such increase since 1967 (page 2).

- The Department of Health, Education, and Welfare (HEW) increased its share of total Federal funding to institutions of higher education from 64 percent in 1970 to 65 percent in 1971 by virtue of a $212 million increase in agency support (page 3).

- The first 100 universities and colleges in Federal support accounted for more than $2.4 billion during 1971, or 69 percent of Federal funds to all academic institutions (page 5).

- Private universities and colleges receiving Federal support outnumbered public institutions receiving Federal funding 1,242 to 1,126 in fiscal year 1971; public institutions, however, accounted for 61 percent of total Federal obligations, 65 percent of all degrees awarded, and 75 percent of all students enrolled (page 6).

ACADEMIC SCIENCE OBLIGATIONS

- Federal funding of academic science activities was up $148 million, or 7 percent, to a level of $2,336 million. Federal obligations for academic science rose for all major sponsoring agencies except the Department of Defense (DOD) and the Atomic Energy Commission (AEC) (page 7).

- Federal funding of academic R&D activities also increased by 7 percent to $1,544 million. The largest increases came from HEW - $81 million - and the National Science Foundation (NSF) - $16 million (page 9).

- In 1971 life sciences R&D funding amounted to approximately $741 million, or 48 percent of all Federal R&D obligations. HEW accounted for $567 million in life sciences R&D, or 76 percent of total R&D in the life sciences (page 9).

- Fellowship, traineeship, and training grant support, comprising nearly one-fifth of total academic science funding, declined by 2 percent to $421 million in 1971. Of the nine Federal agencies supporting training programs in the sciences and engineering, HEW predominated with 86 percent ($361 million) of the 1971 total (page 13).

- The life sciences received $225 million in fellowship and traineeship support, nearly 3½ times the level of funding for the next ranking field, the social sciences. HEW was the principal source of support in each of the major fields of science (page 14).

- Obligations for general support for scie tered principally by NSF and the Nat amounted to $100 million in 1971, vi (page 19).

FEDERALLY FUNDED RESEARCH A (FFRDC'S)

- Federal obligations to academically ass percent to $984 million in 1971. The tinuing to lead all other agencies in the s for 64 percent of the Federal total in 19

SELECTED NONPROFIT INSTITUTIONS

- In 1971 Federal R&D obligations to research institutions amounted to $173 for nearly four-fifths of the Federal to 1971 (page 30).

- Federal support to FFRDC's administe by 21 percent to $216 million in 197 totaled $158 million in 1971, or 73 perc

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illion in fellowship and traineeship
funding for the next ranking field,
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- Obligations for general support for science programs, which are administered principally by NSF and the National Institutes of Health (NIH), amounted to $100 million in 1971, virtually the same level as in 1970 (page 19).

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC'S)

- Federal obligations to academically associated FFRDC's increased by 2 percent to $984 million in 1971. The Atomic Energy Commission, continuing to lead all other agencies in the support of such centers, accounted for 64 percent of the Federal total in 1971 (page 22).

SELECTED NONPROFIT INSTITUTIONS

- In 1971 Federal R&D obligations to a selected group of 74 nonprofit research institutions amounted to $173 million. DOD and HEW accounted for nearly four-fifths of the Federal total going to these institutions in 1971 (page 30).

- Federal support to FFRDC's administered by nonprofit institutions fell by 21 percent to $216 million in 1971. DOD obligations to FFRDC's totaled $158 million in 1971, or 73 percent of the Federal total (page 37).

INTRODUCTION

Background

This report constitutes the fourth in a series of annual reports to the President and Congress, authorized by Section 3(a)(7) of the National Science Foundation Act of 1950, as amended in 1968, on Federal obligations for research and development and R&D plant at institutions of higher education and selected other nonprofit organizations. The report also represents the seventh annual report on Federal obligations for academic science and other educational activities. This latter responsibility was undertaken by the National Science Foundation on behalf of the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology (FCST) which, in 1965, established the data collection system that now serves both reports.

As a report to the President and Congress, this publication contains information on the distribution and pattern of Federal obligations for research and development among the Nation's universities, colleges, associated Federally Funded Research and Development Centers (FFRDC's), and selected other nonprofit institutions. The report provides analyses by geographic locality and institution, including comparisons of the distribution of Federal R&D support with certain educational variables such as the distribution of science degrees awarded.

The FCST's interest extends not only to Federal R&D support to universities, colleges, and associated FFRDC's, but also Federal funds for other academic science and nonscience programs. Emphasis is also placed, therefore, on broader views of Federal involvement in higher education (total and academic science funding) as well as on other (non-R&D) types of Federal support.

Scope and Limitations of Data

Data included in this report for fiscal year 1971 were reported by 14 Federal agencies:

Department of Agriculture (USDA)
Atomic Energy Commission (AEC)
Department of Commerce (Commerce)
Department of Defense (DOD)
Department of Health, Education, and Welfare (HEW)
Department of Housing and Urban Development (HUD)
Office of Economic Opportunity
Environmental Protection Agenc
Department of the Interior (Inte
Agency for International Develo
Department of Labor (Labor)
National Aeronautics and Space
National Science Foundation (N
Department of Transportation (

Excluding the Atomic En
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to include additional categor

[1] A list of the 24 systems receivi
notes, appendix A, p. 41. Dollar amo
[2] See technical notes, page 13, for

n a series of annual reports to the Section 3(a)(7) of the National Sci- ded in 1968, on Federal obligations plant at institutions of higher educa- nizations. The report also represents bligations for academic science and responsibility was undertaken by the of the Committee on Academic Sci- deral Council for Science and Tech- shed the data collection system that

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cal year 1971 were reported by 14

(HEW)
nt (HUD)

Office of Economic Opportunity (OEO)
Environmental Protection Agency (EPA)
Department of the Interior (Interior)
Agency for International Development (AID)
Department of Labor (Labor)
National Aeronautics and Space Administration (NASA)
National Science Foundation (NSF)
Department of Transportation (DOT)

Excluding the Atomic Energy Commission, which reported in terms of costs, dollar amounts represent actual obligations incurred by the agencies during a fiscal year, regardless of when the funds were expended. Funds from the responding agencies comprised more than 95 percent of all Federal support going to the institutions covered by this study. Part I of this report includes data on 2,368 universities and colleges and 31 academically associated FFRDC's. Part II includes information on 74 selected research performing organizations and 27 FFRDC's managed by nonprofit institutions.

Obligations data for universities and colleges include Federal support awarded directly to individual institutions. Excluded are loans, funds for Federal employee training, and funds obligated to State agencies for support of higher education. This report covers total funds obligated by Federal agencies during the Government's fiscal year, beginning July 1 and ending June 30. The date of award as recorded by a Federal agency may differ from the date an award is received or accepted by an institution. For this reason, there may not be strict comparability between totals reported by Federal agencies and those computed by the institutions themselves.

Another difference between Federal agency and individual institution totals occurs for institutions comprising university systems. In some instances an agency cannot report an award in terms of the individual member institutions receiving the funds and, consequently, must include the entire award under a systemwide entry entitled "central system" or "system office." "Central system" totals in this report amounted to $28 million obligated to 24 systems in fiscal year 1971.[1] Although these total obligations represent less than 1 percent of Federal obligations to all U.S. institutions of higher education, the undistributed obligations may be substantial in relation to individual institutions. The effect on some individual institutional totals can be significant since obligations reported for member institutions of a system are understated to the extent that "central system" obligations work down to them.

The data collection system used to develop this report was revised in 1971. The system modifications resulted in more detailed reporting of data to include additional categories of support and field of science information.[2]

[1] A list of the 24 systems receiving obligations in fiscal year 1971 can be found in the technical notes, appendix A, p. 41. Dollar amounts are shown in appendix tables B-22, B-23, and B-24.

[2] See technical notes, page 43, for further details.

Part I

FEDERAL SUPPORT TO UNIVERSITIES AND COLLEGES

ERIC

Section 1. TOTAL, ACADEMIC SCIENCE, AND R&D ACTIVITIES

This section of the report focuses on three levels of Federal funding: (1) total Federal support; (2) Federal funding of academic science activities; (3) Federal support for academic research and development. Each level of funding is viewed in terms of agency, geographic, and institutional distributions of support in 1971. Emphasis is also placed on any major fluctuations or shifts in yearly funding amounts, particularly from 1970-71.

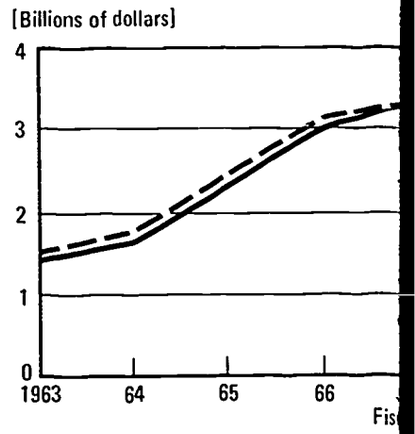
Total Federal Support

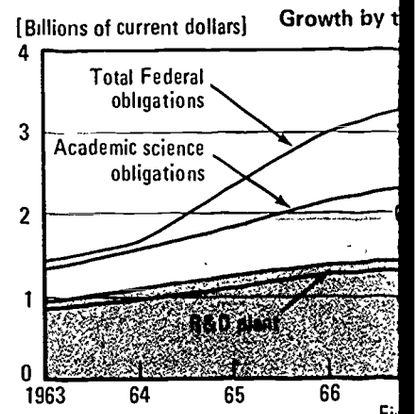
TRENDS

Total Federal obligations (exclusive of loans) to institutions of higher education increased both in current and constant dollars from 1970-71. The current dollar volume went up $253 million, or 8 percent, to a record level of $3,480 million. In constant dollars Federal funding increased 2 percent, the first constant-dollar increase since 1967.

The 1971 upturn in Federal funding (current dollars) of universities and colleges contrasted sharply with the 7-percent decline in 1970 and the relatively stable funding levels from 1967-69. Support for R&D and educational activities was up 7 to 10 percent over 1970 levels. Educational programs classified as "nonscience" activities continued the lead in dollar growth among the major categories of activity. In the last year nonscience funding was up $105 million, or 10 percent—the largest dollar and relative increase among the major categories of support. The 1970-71 gain in nonscience funding raised the share of such funds to 33 percent of the Federal total.

Federal obligations to universities





Type of program
Total
Academic science
Research and development
R&D plant
Other science
Nonscience activities

SOURCE: National Science Foundation (CAS

EMIC SCIENCE, AND R&D ACTIVITIES

three levels of Fed-
2) Federal funding
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Support for R&D and educa-
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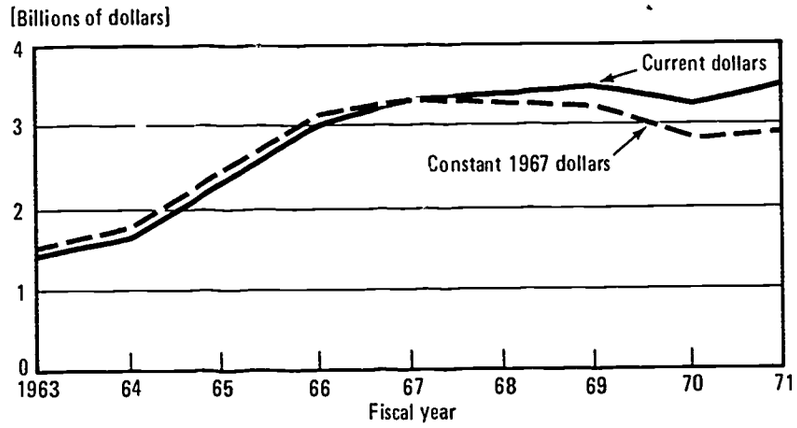
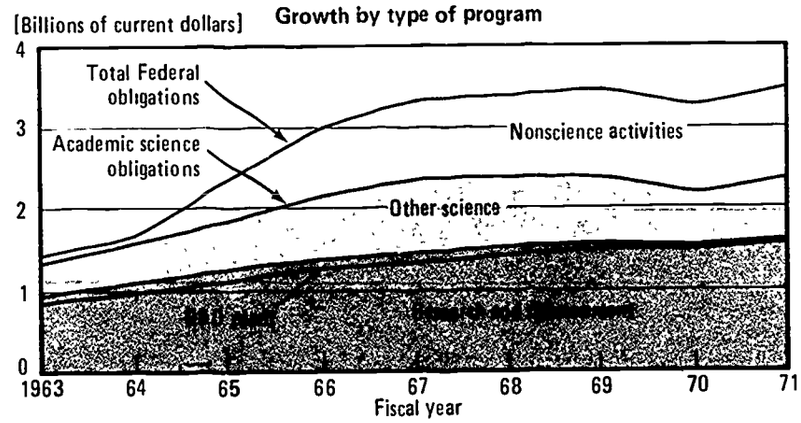
to 33 percent of the Federal

Federal obligations to universities and colleges



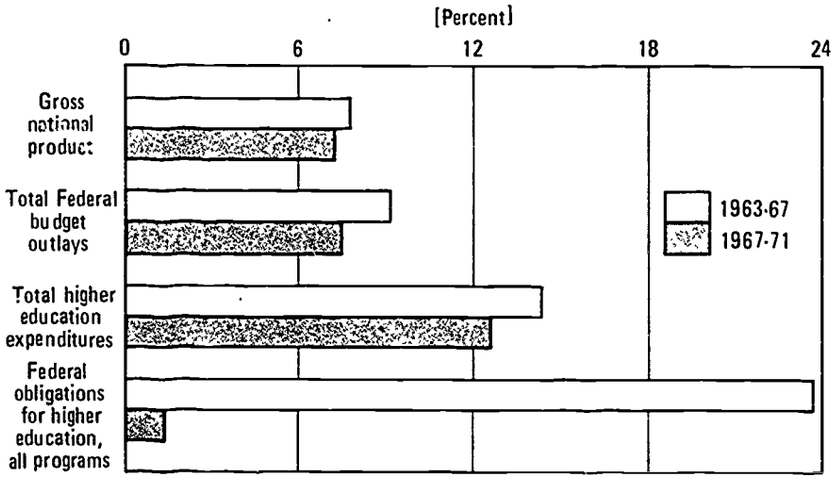
Growth by type of program



Type of program	Average annual growth (Percent)		Percent change
	1963-67	1967-70	1970-71
Total	+24	− 1	+ 8
Academic science	+15	− 2	+ 7
Research and development	+12	+ 4	+ 7
R&D plant	+ 1	−26	−33
Other science	+23	− 8	+ 9
Nonscience activities	+84	+ 2	+10

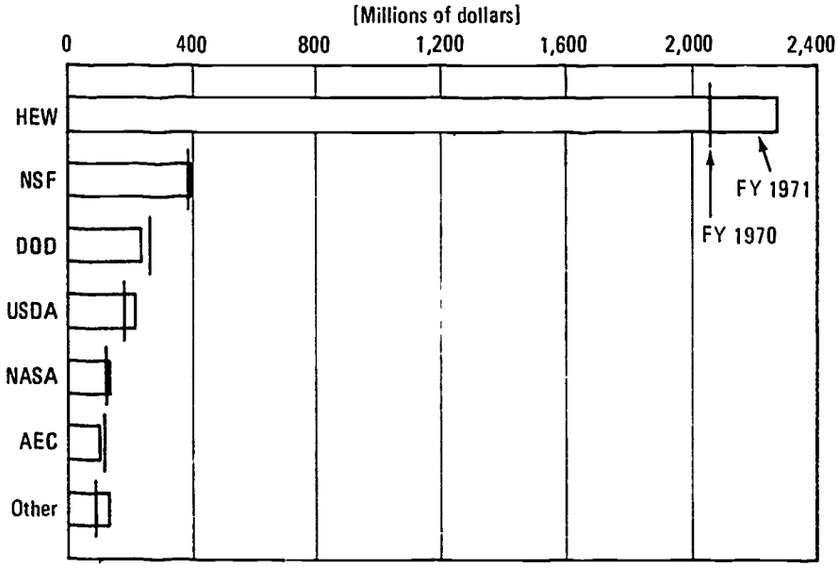
SOURCE: National Science Foundation (CASE).

Average growth of Federal support of higher education compared with other economic variables



SOURCE: National Science Foundation (CASE).

Total Federal obligations to universities and colleges, by agency



SOURCE: National Science Foundation (CASE).

During the first half of the last 8-yea
Federal support to universities and col
as great as the growth rate of gross na
eral budget outlays, and nearly double
expenditures. The rapid rate of growth
sult of the initiation of several new pr
during this period, including the High
and the Higher Education Act of 1965
ed a reversal of the relationship betwee
funding and growth in other economic
er education activities grew slowly at
GNP, total Federal budget outlays, and
increased at rates of 7.2 percent, 7.5 pe

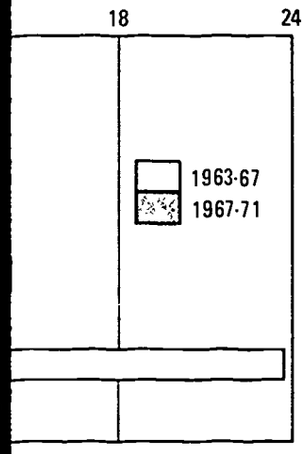
AGENCY DIST

With the exception of the Departme
major funding agencies reflected the lev
ernment-wide support levels during the
ever, there was no uniform pattern of
creased by 8 percent; two of the six m
and AEC, posted declines of 9 percen
other agencies, NSF and NASA, regist
percent, respectively. The Federal-wid
traced primarily to a $125 million ris
crease in OE funding, and a $33 mil

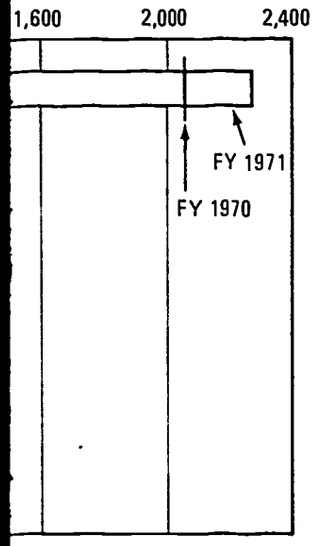
Health professional schools account
funding to universities and colleges in
came from NIH and $197 million came
Health Administration (HSMHA). Med
million in HEW obligations, up $77 m
total. Of this amount, NIH provided
cent) and HSMHA allocated $172 millio

The leading three Institutes of NIH
obligations to universities and college
Medical Sciences—$134 million; the N
$125 million; and the National Cancer
Institutes posted 1970-71 increases o
million (34 percent), respectively, refl
the President and Congress on the fig
heart and lung.

education compared



colleges, by agency



During the first half of the last 8-year period the average annual growth of Federal support to universities and colleges was approximately three times as great as the growth rate of gross national product (GNP) and total Federal budget outlays, and nearly double the growth of total higher education expenditures. The rapid rate of growth of Federal funding was largely a result of the initiation of several new programs called for in legislation passed during this period, including the Higher Education Facilities Act of 1963 and the Higher Education Act of 1965. The latter 4 years, however, witnessed a reversal of the relationship between growth in Federal higher education funding and growth in other economic areas. Federal funding levels for higher education activities grew slowly at an average rate of 1.3 percent while GNP, total Federal budget outlays, and total higher education expenditures increased at rates of 7.2 percent, 7.5 percent, and 12.6 percent, respectively.

AGENCY DISTRIBUTION

With the exception of the Department of Agriculture (USDA), all of the major funding agencies reflected the levelling off, or actual drop, in the Government-wide support levels during the 1967-70 period. For 1970-71, however, there was no uniform pattern of change, although overall funding increased by 8 percent; two of the six major sources of Federal support, DOD and AEC, posted declines of 9 percent and 8 percent, respectively. Two other agencies, NSF and NASA, registered increases of 0.1 percent and 2 percent, respectively. The Federal-wide increase of $253 million may be traced primarily to a $125 million rise in NIH support, an $83 million increase in OE funding, and a $33 million increase in USDA obligations.

Health professional schools accounted for just over $1.1 billion in HEW funding to universities and colleges in 1971. Of this amount $885 million came from NIH and $197 million came from the Health Services and Mental Health Administration (HSMHA). Medical schools received a total of $868 million in HEW obligations, up $77 million, or 10 percent, over the 1970 total. Of this amount, NIH provided $679 million (an increase of 13 percent) and HSMHA allocated $172 million.

The leading three Institutes of NIH accounted for $351 million in 1971 obligations to universities and colleges: the National Institute of General Medical Sciences—$134 million; the National Heart and Lung Institute—$125 million; and the National Cancer Institute—$92 million. The latter two Institutes posted 1970-71 increases of $27 million (27 percent) and $23 million (34 percent), respectively, reflecting the recent emphasis placed by the President and Congress on the fight against cancer and diseases of the heart and lung.

GEOGRAPHIC DISTRIBUTION

The East North Central Division dropped from first to third in receipt of Federal funds to universities and colleges and was the only division that received less funding in 1971 than in 1970.

Geographic division	Percent change 1970-71
Middle Atlantic	8.5
Pacific	9.5
East North Central	−4.2
South Atlantic	2.5
New England	.9
West North Central	31.8
West South Central	20.0
East South Central	18.0
Mountain	7.8

The decline was attributable to a $40 million drop in Ohio's total. Ninety percent of the Ohio decrease, however, resulted directly from the return to a more typical funding level for the University of Cincinnati which, in 1970, received a grant of $35 million for construction and improvement of medical school facilities.

Four other States showed lower totals in 1971 than in 1970—Florida, $19 million; Massachusetts, $13 million; Virginia, $6 million; and Washington, $0.7 million. Of the five States posting lower 1971 totals, four were located in the eastern part of the Nation.

Universities and colleges located in the four western divisions have been receiving an increasing share of total Federal obligations over the past several years. The trend continued in 1971: the combined proportion of the Federal total went up from 35 percent in 1970 to 38 percent in 1971. The combined 1970-71 growth for academic institutions in the four western divisions was nearly five times the combined growth for institutions in the eastern States. The shifting geographic distribution of funds was reflected in the increase in the number of leading recipient institutions located in western States - from 35 out of 100 institutions receiving the largest Federal funding in 1970 to 39 in 1971. The West North Central and West South Central States each placed two more institutions among the first 100 recipients. Institutions in these divisions also received the largest relative increases among all divisions - 32 percent and 20 percent, respectively.

The District of Columbia joined
recipients of Federal obligations in 19
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sum for the first 10 States would i
California, Massachusetts, Michigan,
showed considerable variance - more
relative level of funds received and rel

Universities and colleges in two of
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[1] The State distribution of R&D funding, how
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**Geographic distribution of tot
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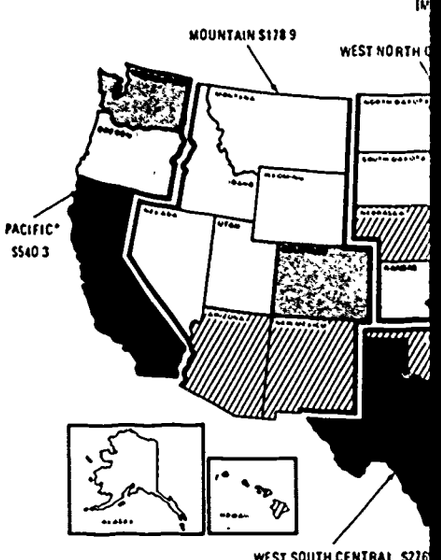

*Includes Alaska and Hawaii
SOURCE National Science Foundation (CASE)

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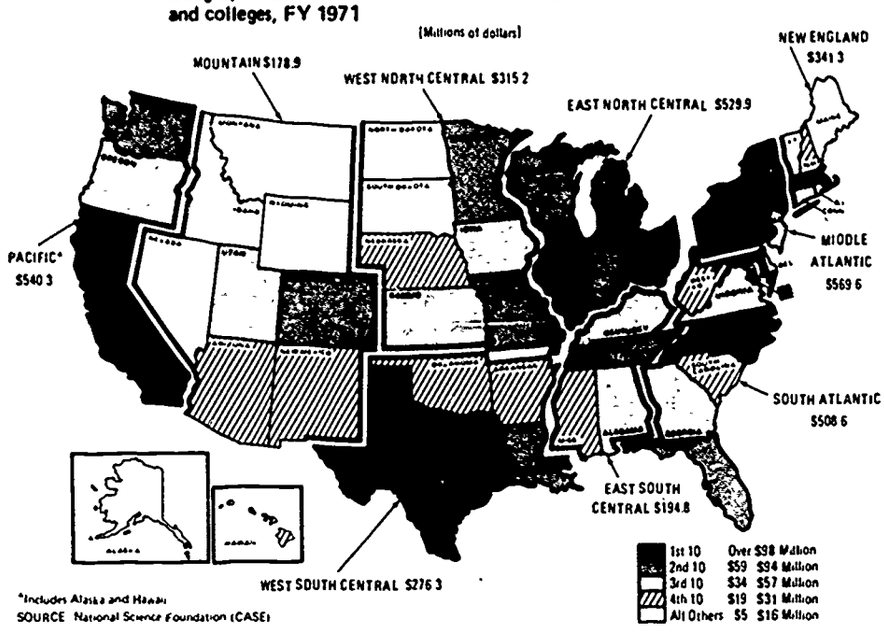
The District of Columbia joined with 9 States in becoming the leading recipients of Federal obligations in 1971. The correlation of total obligations received and total academic degrees awarded in all fields is not as close as the sum for the first 10 States would indicate - 54 percent versus 51 percent. California, Massachusetts, Michigan, Ohio, and the District of Columbia all showed considerable variance - more than 1 percentage point - between the relative level of funds received and relative level of degrees awarded.

Universities and colleges in two of these States, California and Massachusetts, accounted for 13 percent of all degrees conferred by U.S. academic institutions, and 18 percent of Federal funding to all U.S. institutions. In looking at the divergence between relative numbers of degrees awarded and funds received for these two States, it should be noted that a large proportion of total Federal funding to academic institutions in these States goes into R&D support, which shows little correlation with total number of degrees awarded.[1] In 1971 Federal R&D funding levels at academic institutions in California and Massachusetts were 58 percent and 69 percent, respectively, of total Federal funds compared to 41 percent for institutions throughout the remainder of the United States.

[1] The State distribution of R&D funding, however, does not show close correlation with the geographic distribution of Ph.D. degrees awarded in the sciences and engineering.

Geographic distribution of total Federal obligations to universities and colleges, FY 1971

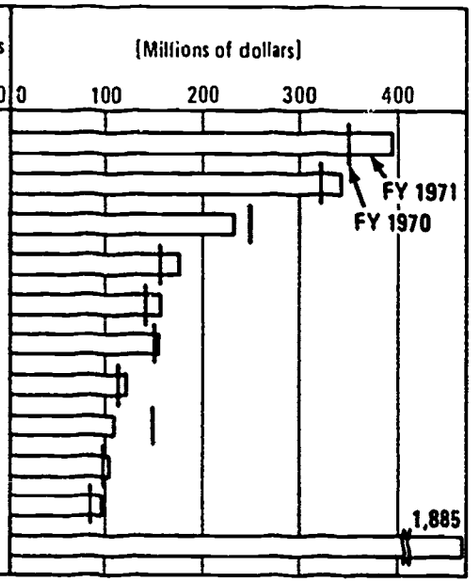
(Millions of dollars)



*Includes Alaska and Hawaii
SOURCE National Science Foundation (CASE)

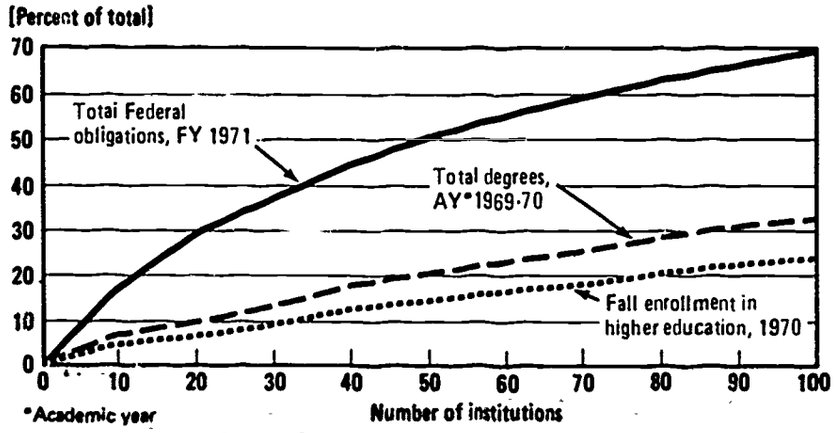
Total Federal obligations to universities and colleges in the 10 States receiving the largest amounts compared to total degrees awarded

State	Percent of total obligations FY 1971	Percent of total degrees awarded AY*1969-70
California	11.3	8.8
New York	9.8	9.5
Massachusetts	6.7	4.1
Pennsylvania	5.0	5.8
Texas	4.5	4.9
Illinois	4.4	5.2
Michigan	3.5	4.7
Ohio	3.2	5.0
North Carolina	3.0	2.2
District of Columbia	2.8	1.1
Total, 10 States	54.2	51.2



*Academic year
SOURCE: National Science Foundation (CASE).

Distribution of total Federal obligations to the 100 universities and colleges receiving the largest amounts compared to selected educational data



*Academic year
SOURCE: National Science Foundation (CASE); Office of Education.

INSTITUTIONAL DIST

Funding concentration increased from 19
95 universities with funds exceeding $10 m
of Federal support to all institutions of high
83 universities in the $10 million category
total Federal support. Institutions receiving
in Federal funding decreased from 1,873 i
share of total Federal funding also declined

Number of universities and co
Federal obligations ranked by
program, fiscal year

[Dollars in thousa

Size of Federal program	Total obligations Amount	di
Total	$3,452,134[a]	
$10 million or more	2,357,069	
$5 million to $9.9 million	343,810	
$1 million to $4.9 million	367,628	
$500,000 to $999,000	158,334	
$100,000 to $499,000	183,027	
Less than $100,000	42,266	

[a]Does not include $28,016,000 reported under central off
these funds could not be tabulated for individual memb
from this table
SOURCE National Science Foundation (CASE).

The substantial variance between the pr
degrees awarded for the States reflect simil
The accompanying chart shows that the firs
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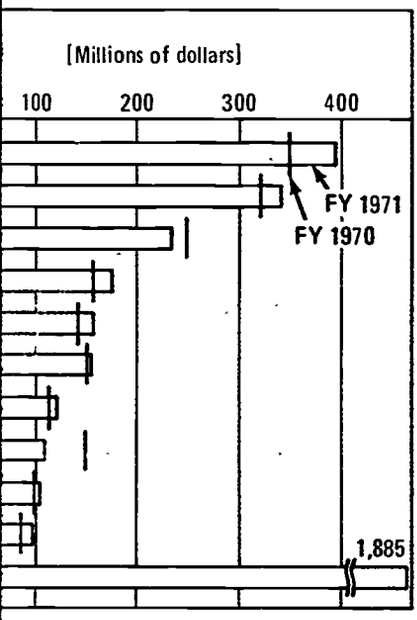

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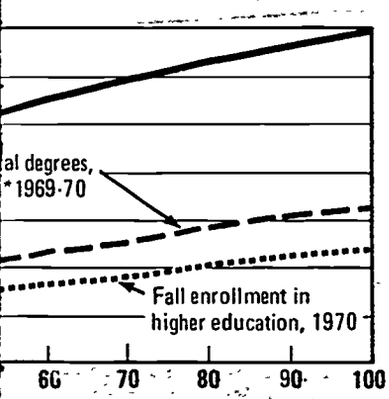

institutions.
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INSTITUTIONAL DISTRIBUTION

Funding concentration increased from 1970 to 1971. In 1971 there were 95 universities with funds exceeding $10 million, accounting for 68 percent of Federal support to all institutions of higher education; in 1970 there were 83 universities in the $10 million category and they received 67 percent of total Federal support. Institutions receiving less than one-half million dollars in Federal funding decreased from 1,873 in 1970 to 1,828 in 1971. Their share of total Federal funding also declined from 6.8 percent to 6.5 percent.

Number of universities and colleges receiving Federal obligations ranked by size of Federal program, fiscal year 1971

[Dollars in thousands]

	Total obligations		Institutions	
Size of Federal program	Amount	Percent distribution	Number	Percent distribution
Total	$3,452,134[a]	100.0	2,368	100.0
$10 million or more	2,357,069	68.3	95	4.0
$5 million to $9.9 million	343,810	10.0	47	2.0
$1 million to $4.9 million	367,628	10.7	174	7.3
$500,000 to $999,000	158,334	4.6	224	9.5
$100,000 to $499,000	183,027	5.3	800	33.8
Less than $100,000	42,266	1.2	1,028	43.4

[a]Does not include $28,016,000 reported under central offices of university systems (central systems), these funds could not be tabulated for individual member institutions and, therefore, were excluded from this table.

SOURCE. National Science Foundation (CASE).

The substantial variance between the proportion of funds received and degrees awarded for the States reflect similar differences in the institutions. The accompanying chart shows that the first 10 institutions in total funding received 17.4 percent of all Federal obligations, but awarded only 6.1 percent of all degrees and enrolled only 4.0 percent of all students. The gap widens steadily for each group of 10 institutions comprising the first 100 institutions in total funding. Totals for the first 100 institutions showed 69.1 percent of Federal obligations, 32.6 percent of degrees awarded, and 23.6 percent of students enrolled.

CONTROL OF INSTITUTION

During the 1960's enrollment in publicly controlled institutions grew at a rate approximately 3 times that of enrollment in privately controlled institutions. The increasing role of public institutions is evidenced by the following:

(1) Although private universities and colleges receiving Federal support outnumbered public institutions 1,242 to 1,126 in 1971, public institutions accounted for 61 percent of total Federal obligations, 65 percent of total degrees[2] awarded, and 75 percent of student enrollment.

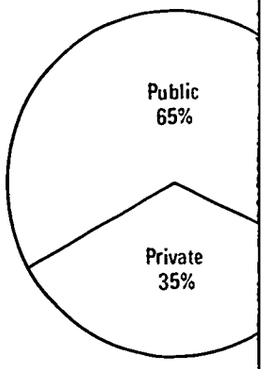
(2) The median level of Federal funding for private institutions was approximately one-half that of public institutions in 1971 - $94 thousand versus $180 thousand.

(3) The leading 100 academic institutions in total Federal obligations in 1971 were composed of 64 public and 36 private institutions.

(4) Between 1970 and 1971 the number of federally supported public institutions rose by 23 while the number of federally supported private institutions declined by five.

[2] Bachelor's degrees or higher.

Federal obligations to univer
degrees awarded and total er



Total degrees award
AY* 1969-70

*Academic year

SOURCE: National Science Founda

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controlled institutions grew at a
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126 in 1971, public institutions
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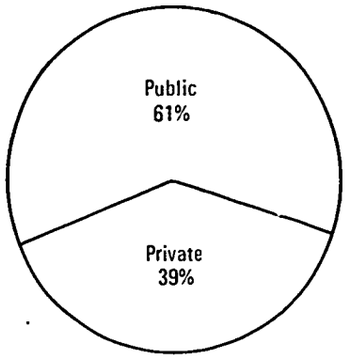
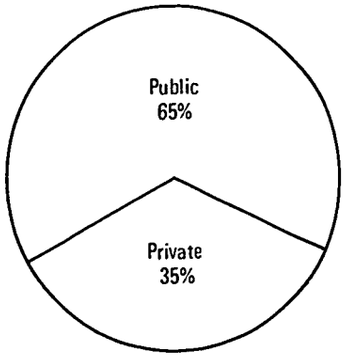
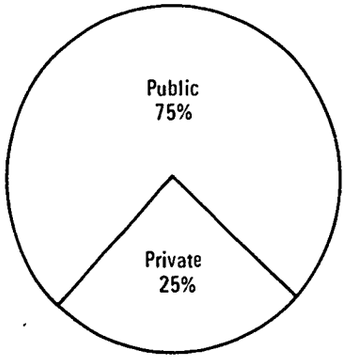
Federal obligations to universities and colleges compared to total degrees awarded and total enrollment, by type of control



Total Federal obligations, FY 1971



Total degrees awarded, AY* 1969-70



Total enrollment, fall 1970

*Academic year

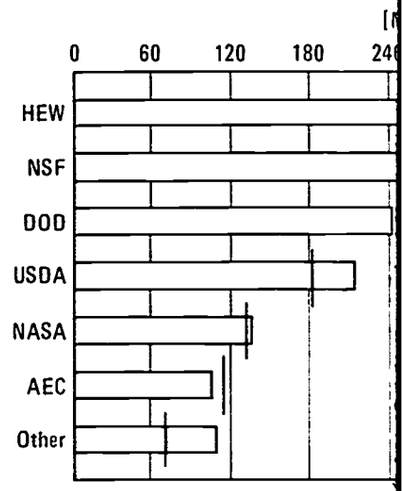
SOURCE: National Science Foundation (CASE); Office of Education.

Academic Science Support

Federal obligations for academic science rose for all major sponsoring agencies except DOD and AEC. HEW and USDA accounted for more than 90 percent of the total increase of $148 million. Figuring prominently in this increase were NIH programs and USDA's cooperative extension program funded through the Smith-Lever Act.

Academic science obligations are more concentrated by geographic area than are total Federal obligations. The 10 States receiving the largest amounts of Federal academic science funds accounted for 59 percent of all Federal academic science funds; the first 10 States in total Federal obligations received 54 percent of total funding. As in the case of total funding there was considerable variance between relative levels of funding and relative levels of science and engineering (S&E) degrees awarded for certain States: on the one hand, the shares of Federal academic science obligations received by Massachusetts and Maryland were nearly twice the proportion of S&E degrees awarded, while the share of academic science obligations allocated to institutions in Ohio was only two-thirds the proportion of S&E degrees awarded by Ohio schools. Still, eight of the first 10 States in terms of S&E degrees awarded were among the first 10 States in Federal academic science funding.

Federal obligations for academic



SOURCE: National Science Foundation (

Federal obligations for academi the largest amounts compared degrees awarded

State	Percent of obligations FY 1971	Percent of S&E degrees AY*1969-70
California	13.1	10.5
New York	10.8	9.9
Massachusetts	8.6	4.4
Pennsylvania	5.0	6.2
Illinois	4.9	5.1
Texas	4.3	4.6
Michigan	3.7	4.4
North Carolina	3.2	2.2
Ohio	3.1	4.6
Maryland	2.7	1.4
Total, 10 States	59.3	53.4

* Academic year
SOURCE National Science Foundation (C

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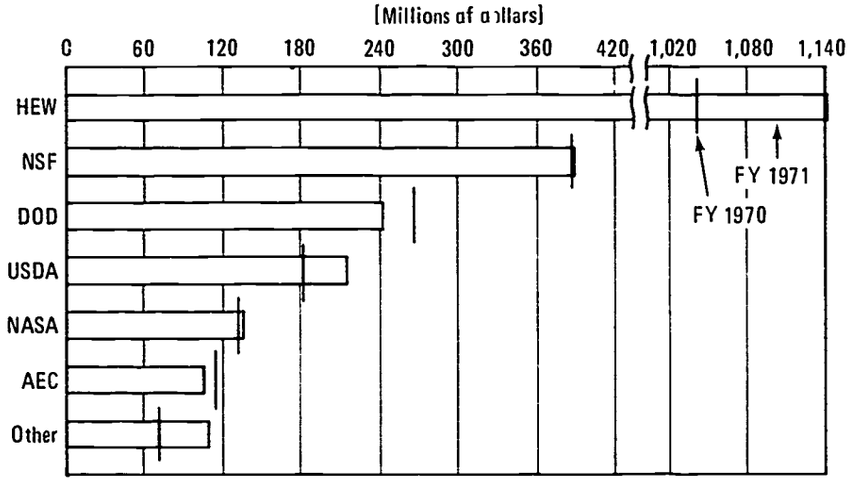
Federal obligations for academic science, by agency



SOURCE: National Science Foundation (CASE).

Federal obligations for academic science in the 10 States receiving the largest amounts compared with science and engineering degrees awarded

State	Percent of obligations FY 1971	Percent of S&E degrees AY*1969-70
California	13.1	10.5
New York	10.8	9.9
Massachusetts	8.6	4.4
Pennsylvania	5.0	6.2
Illinois	4.9	5.1
Texas	4.3	4.6
Michigan	3.7	4.4
North Carolina	3.2	2.2
Ohio	3.1	4.6
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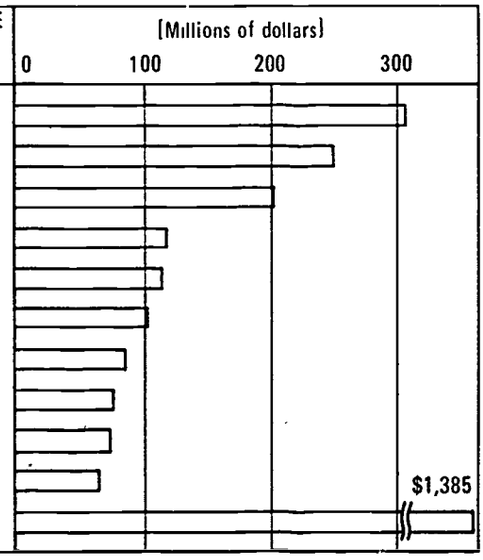
Total, 10 States	59.3	53.4

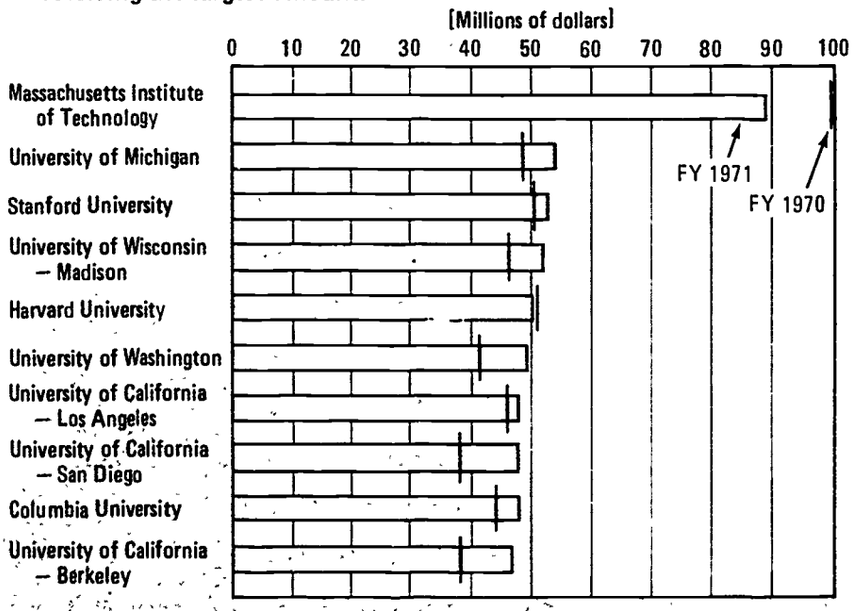


*Academic year
SOURCE National Science Foundation (CASE), Office of Education

The extent of concentration of academic science funding in 1971 among the first 10 and first 100 institutions remained unchanged from the previous year. The first 10 accounted for 23 percent of total funds for academic science while the first 100 received 82 percent of the Federal academic science total.

The 1970-71 percent change for the individual universities comprising the first 10 recipients varied considerably. Two Massachusetts institutions, Massachusetts Institute of Technology and Harvard University, declined 11 percent and 1 percent, respectively, while two California institutions, the University of California - San Diego and University of California - Berkeley, showed gains of 26 percent and 23 percent, respectively.

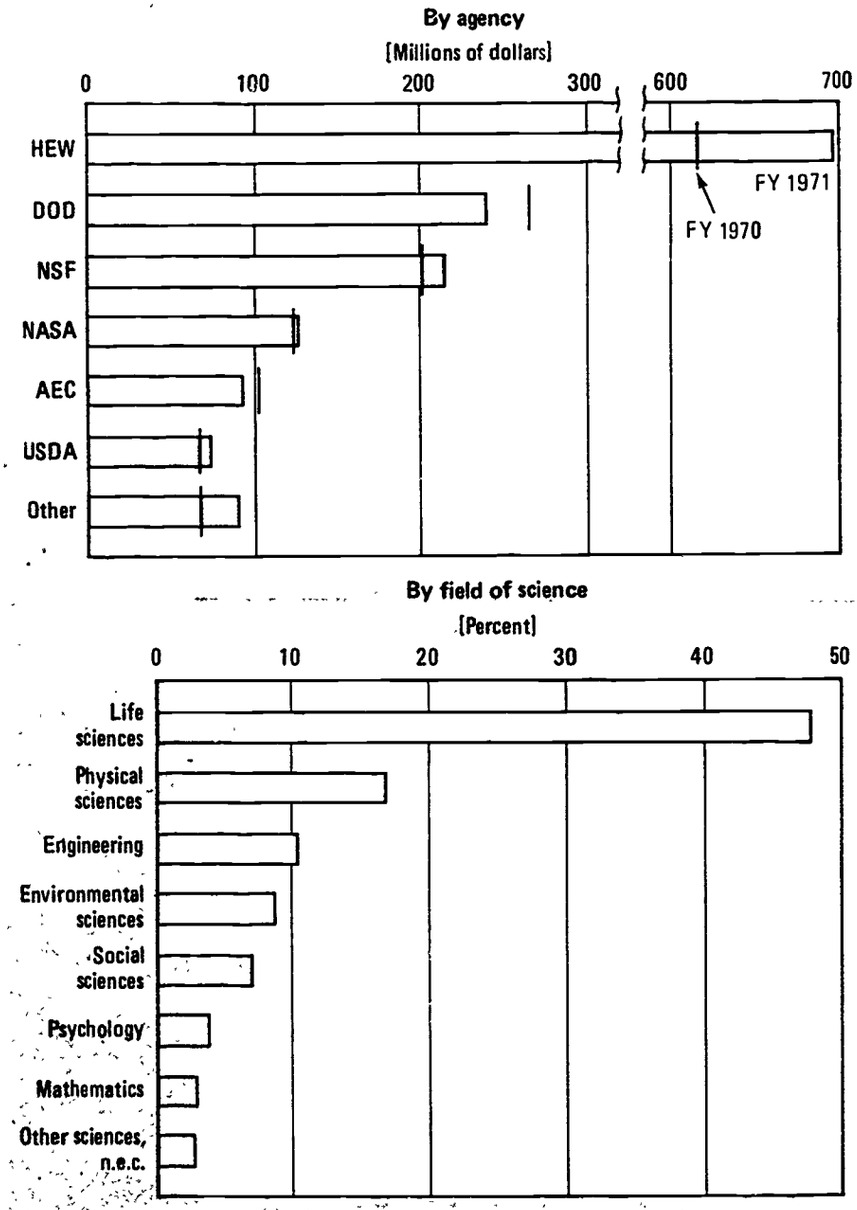
Federal obligations for academic science to the 10 universities receiving the largest amounts



SOURCE: National Science Foundation (CASE).

R&D Support

Federal R&D obligations to universities and colleges



SOURCE: National Science Foundation (CASE)

Federal R&D funding to univ
one-tenth of total Federal R&D s
to $1,544 million in 1971. This is
cent higher than in 1969. The lar
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FIELD

In 1971 research and develop
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HEW provided $567 million for
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Physical sciences R&D obligation
DOD, AEC, NSF, and NASA contr

Engineering ($160 million) and
together accounted for nearly on
engineering R&D obligations wit
NSF was first in environmental sci

Social sciences R&D funds am
half came from two agencies, HE
porting academic research in the
Economic Opportunity (OEO),
(AID), and Labor.

Principal financers of research a
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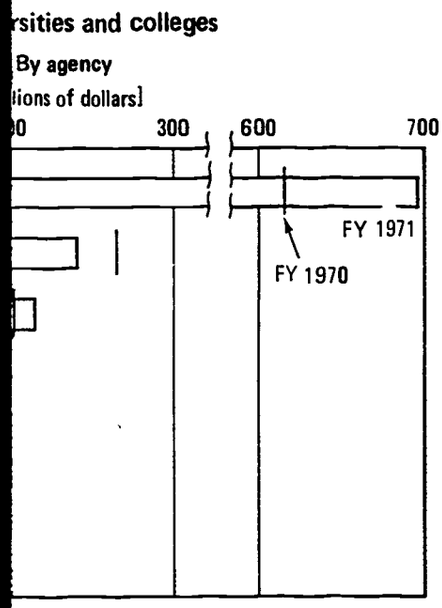
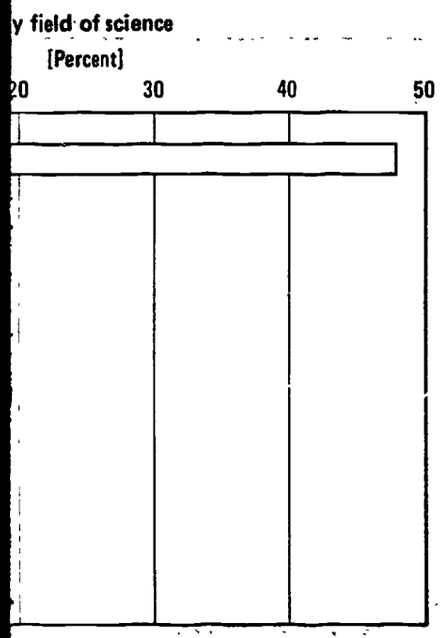




R&D Support

Federal R&D funding to universities and colleges, representing about one-tenth of total Federal R&D support to all R&D performers, amounted to $1,544 million in 1971. This is 7 percent more than in 1970 and 5 percent higher than in 1969. The largest increases came from HEW - $81 million - and NSF - $16 million. Of the $22 million increase shown for "other" agencies, $17 million was reported by the newly established Enrivonmental Protection Agency (EPA). Much of EPA's total for 1971 consisted of funds for programs transferred from other Federal agencies. The most significant decrease was the $24 million decline reported by DOD.

FIELD OF SCIENCE

In 1971 research and development in the life sciences accounted for approximately $741 million, or 48 percent of all Federal R&D obligations. HEW provided $567 million for research and development in the life sciences, or 76 percent of total academic R&D obligations in the life sciences. Physical sciences R&D obligations accounted for $263 million of which DOD, AEC, NSF, and NASA contributed 88 percent.

Engineering ($160 million) and the environmental sciences ($134 million) together accounted for nearly one-fifth of total R&D funding. DOD led in engineering R&D obligations with 46 percent of the Federal total, while NSF was first in environmental sciences R&D with 33 percent of the total.

Social sciences R&D funds amounted to $106 million. More than one-half came from two agencies, HEW and NSF. Other agencies actively supporting academic research in the social sciences include USDA, Office of Economic Opportunity (OEO), Agency for International Development (AID), and Labor.

Principal financers of research and development in psychology were HEW, DOD, and NSF, which together accounted for more than nine-tenths of the Federal total of $57 million.

The smallest of the major fields, in terms of Federal R&D support, was mathematics with $41 million. Primary contributors were NSF, DOD, and HEW, accounting for nearly nine-tenths of all Federal obligations.

Increases in the share of total R&D support between 1970 and 1971 may be noted in life sciences, environmental sciences, and social sciences.[3] The social sciences experienced the greatest relative growth as a result of sizable increases reported by HEW, USDA, DOD, and NSF. In addition, AID and the Department of Labor, which were not included in the 1970 data, contributed a total of $12 million in social science R&D.

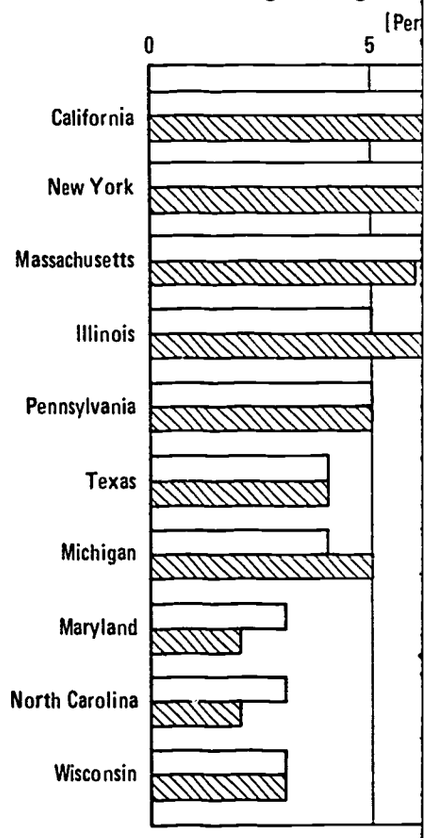
The most significant decline in R&D funding occurred in the physical sciences. The overall level of Federal support dropped by approximately $26 million. Within the physical sciences, physics support declined by an estimated $21 million.

[3] Some shifting occurred between 1970 and 1971 in the classification of program funds among fields of science, especially funds reported in 1970 under "other sciences, n.e.c." Furthermore, the 1970-71 field of science distributions include estimates involving 11 percent of DOD's 1970 R&D total and 9 percent of HEW's 1971 R&D amount. For these reasons, precise measurement of changes in funding levels between the 2 years is not possible.

GEOGRAPHIC DISTRIBUTION

There has been little change in the State distribution of academic R&D obligations between 1970 and 1971. Except for the addition of Wisconsin and deletion of Ohio, the 10 leading States remained the same. The concentration of R&D support also remained at nearly the same level over the last 2 years; between 46 percent and 47 percent of all R&D obligations went to the first five States and 63 percent of total R&D obligations went to the leading 10 States.

Federal R&D obligations to univers
receiving the largest amounts comp
in the sciences and engineering



*Academic year

SOURCE: National Science Foundation (CAS

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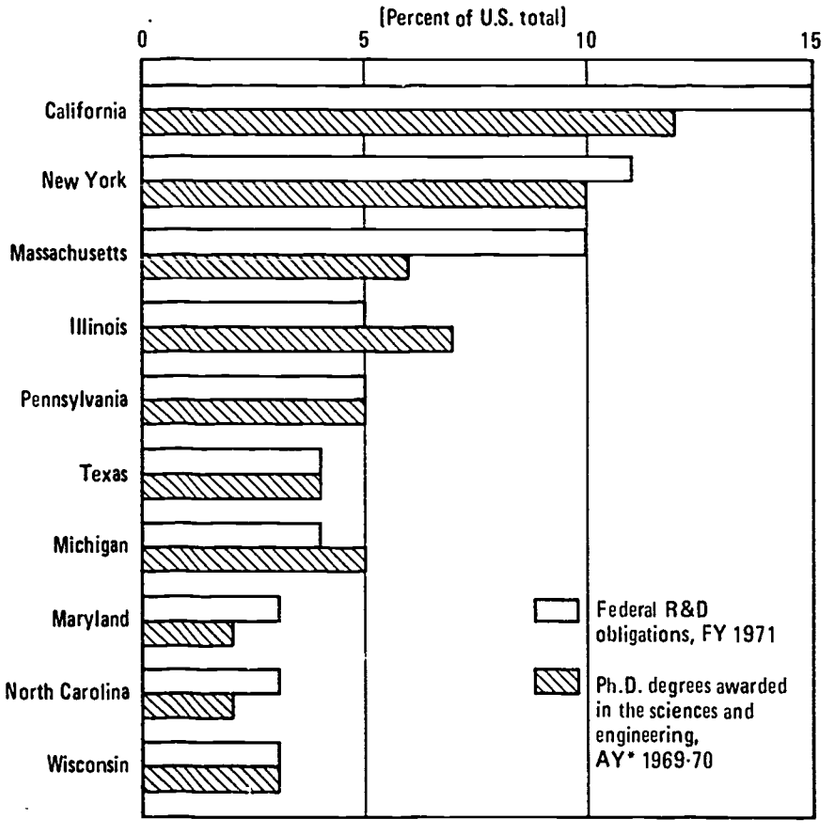
Federal R&D obligations to universities and colleges in the 10 States receiving the largest amounts compared to Ph.D. degrees awarded in the sciences and engineering



*Academic year

SOURCE: National Science Foundation (CASE); Office of Education.

INSTITUTIONAL DISTRIBUTION

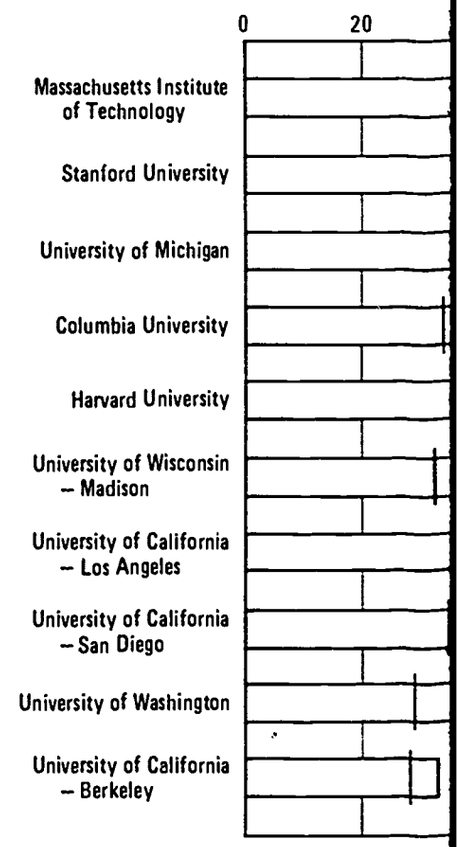
The leading 10 institutions in R&D funding received $418 million, or 27 percent of all Federal academic R&D obligations in 1971. These institutions represent less than 2 percent of all recipients of Federal academic R&D support and less than one-half of 1 percent of all universities and colleges. They also account for one-fifth of all Ph.D. degrees awarded in the sciences and engineering.

These 10 institutions received nearly one-half of NASA's academic R&D support, nearly one-third of DOD's R&D obligations, and from 23 percent to 29 percent of total R&D support from three other major funding agencies - HEW, NSF, and AEC.

There were some notable shifts from 1970 to 1971 in the relative amount of Defense research performed at individual institutions. The major decline in DOD support was a $17 million decrease in obligations to the Massachusetts Institute of Technology. This decline was of sufficient proportion to have the effect of reducing the Defense share of the university's total Federal R&D funding from nearly one-half in 1970 to one-third in 1971. Other leading institutions such as Stanford University, Columbia University, and the University of California at Los Angeles showed increases in their overall levels of R&D support but experienced declines in excess of $1 million in DOD funding.

The distribution of R&D obligations among the leading universities and colleges followed nearly the same pattern in 1971 as in 1970. The first 10 institutions received a slightly lower share of the total: 27 percent in 1971 versus 28 percent in 1970. The first 100 institutions accounted for 86 percent of all R&D obligations in each of the 2 years. The concentration of R&D funding among the leading academic recipients has declined since 1963. The share of the R&D total for the first 10 institutions in each of the years 1963, 1967, and 1971, declined from 34 percent to 29 percent to 27 percent, respectively. For the first 100 institutions a similar trend is noted - 90 percent in 1963, 88 percent in 1967, and 86 percent in 1971.

Federal R&D obligations to the 10 u the largest amounts



SOURCE: National Science Foundation (CASE).

I. DISTRIBUTION

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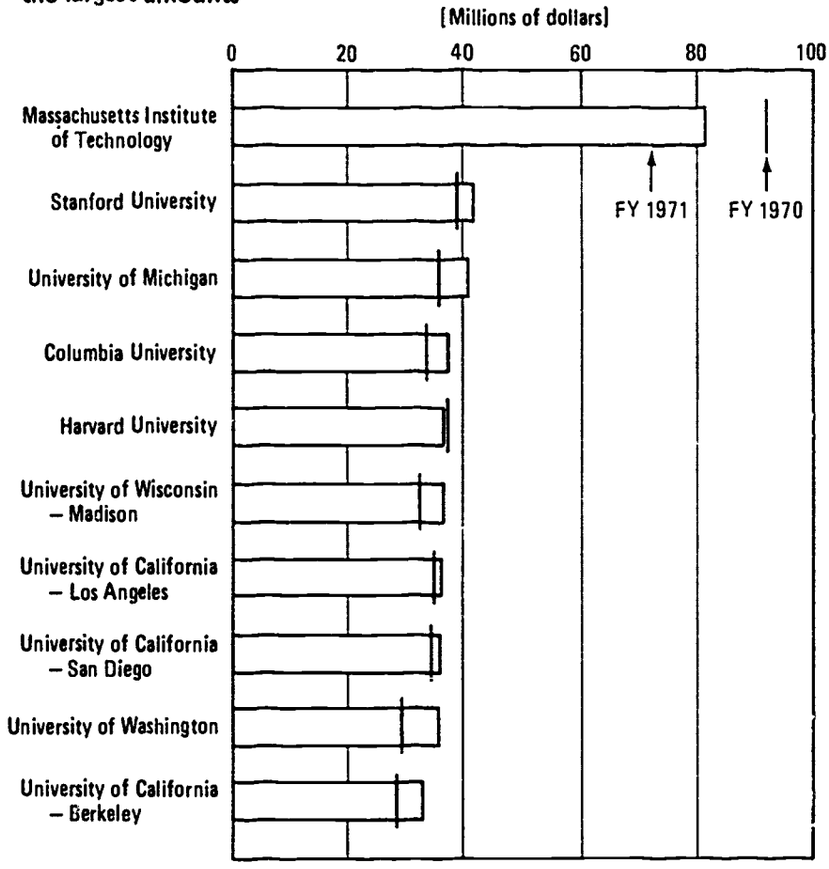
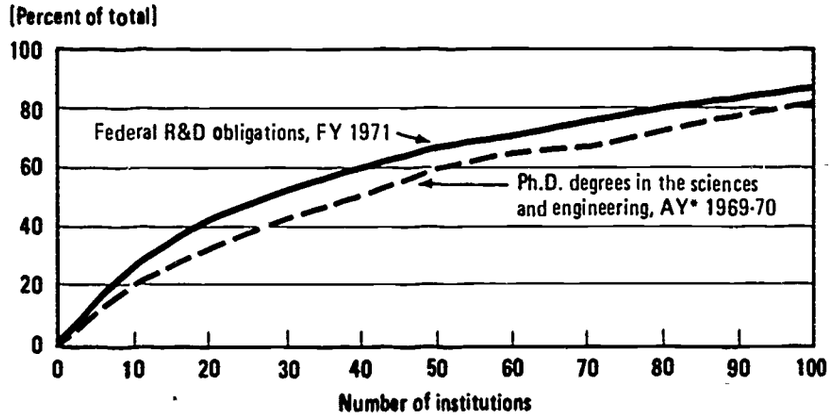
Federal R&D obligations to the 10 universities receiving the largest amounts



SOURCE: National Science Foundation (CASE).

For 1970 and 1971 the share of Ph.D. degrees awarded in the sciences and engineering by the leading R&D institutions remained at the same level for the first 10 universities but showed a slight drop for the first 100 institutions - from 86 percent to 82 percent. Ph.D. degrees awarded in science and engineering by institutions other than the 100 leading R&D universities increased 60 percent between academic years 1968 and 1970. This rapid growth accounted for the relative decline of Ph.D. awards by the leading R&D universities.

Distribution of Federal R&D obligations to the 100 universities and colleges receiving the largest amounts compared to Ph.D. degrees awarded in the sciences and engineering



*Academic year
SOURCE: National Science Foundation (CASE).

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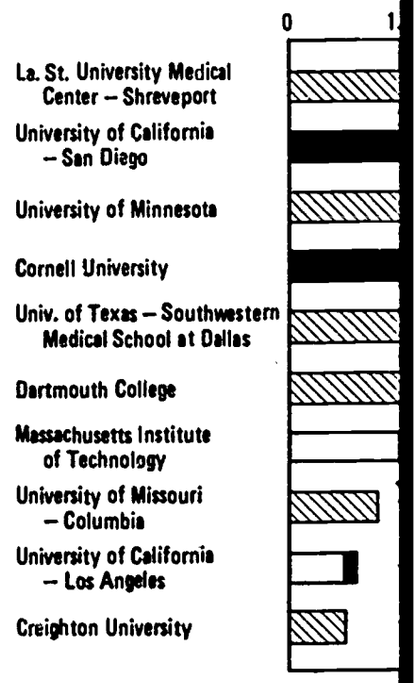

SOURCE: National Science Foundation (

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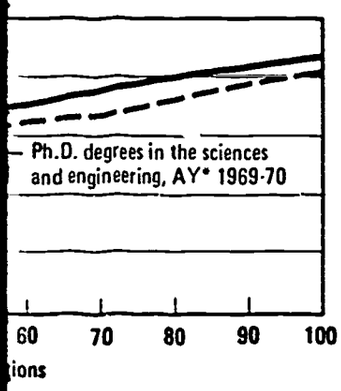
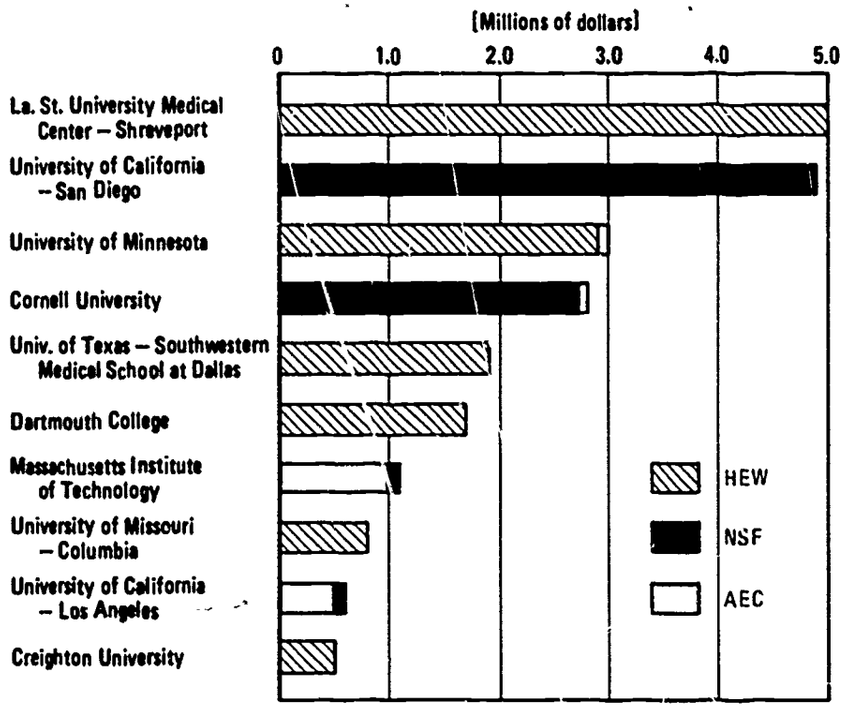


R&D PLANT

In 1971 Federal funding to universities and colleges for R&D plant declined by $15 million to $30 million, continuing the downward trend which began in 1965. Part of the $14.8 million decline reported in 1971 is attributable to the fact that some R&D plant funding is included under one or more of the other recently added reporting categories such as "facilities and equipment for instruction in science and engineering."

The agency breakdown of R&D plant support for 1971 was as follows: HEW (NIH) - $15.2 million; NSF - $9.7 million; AEC - $4.8 million; NASA - $0.2 million. Ten institutions received $22.2 million, or 74 percent of total R&D plant support from Federal agencies.

Federal obligations for R&D plant to the 10 universities and colleges receiving the largest amounts, FY 1971



SOURCE: National Science Foundation (CASE).

Section 2. SCIENCE EDUCATION ACTIVITIES

Science education encompasses a broad spectrum of activities which range from categorical activities such as (1) the training of individuals through fellowship and traineeship programs; (2) the improvement of science instruction at all educational levels by upgrading materials, curriculums, methods of teaching, and teacher education; and (3) the provision of modern instructional facilities and equipment; to the more comprehensive and flexible general support programs which are designed to improve overall institutional capabilities in science education and research. Moreover, research conducted in the Nation's universities and colleges is in itself an integral part of the science education process in that it is a major source of new and innovative ideas and, at the same time, it provides training experience for future scientists and engineers.

This section of the report deals with those science education activities that are classified separately in the CASE reporting system. These include: fellowships, traineeships, and training grants; general support for science; and facilities and equipment for instruction in science and engineering.

Fellowships, Traineeships, and Training Grants

In 1971 Federal funds for the direct support of individuals through fellowships, traineeships, and other training programs amounted to $421 million, comprising 18 percent of the 1971 academic science total. The 1971 level of support for these programs represents a decline of 3 percent since 1969, the first year in which CASE collected funding data on such direct support. While these training activities principally support individuals engaged in graduate training or study, the total includes funds for training activities from the precollege through the postdoctoral levels.

AGENCY DISTRIBUTION

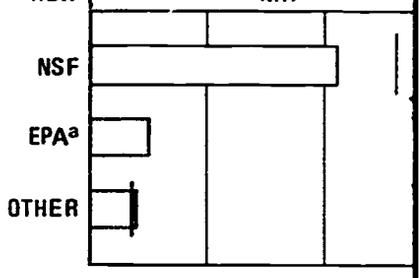
Although nine Federal agencies reported obligations for fellowships, traineeships, and other training grants in 1971, only three agencies HEW, NSF, and EPA, funded these activities to a significant extent with 1971 totals of $361 million, $42 million, and $10 million, respectively.

The other six agencies sponsoring training programs in the sciences and engineering together accounted for less than 2 percent of the 1971 total. Three of the six agencies awarded more than $1 million in 1971. These were the Department of Transportation with obligations of $3 million, and ministration with $1 million.

The Department of Health, Ed predominant supporter of manpo 1971 fellowship and traineeship t the $361 million in HEW obligati port of the medical and health-re National Institutes of Health. Of t 72 percent was allocated to training

Other components within HEW tion's scientific training support. L tal Health Administration granted fellowships and traineeships; the C Social and Rehabilitation Service, obligated by the Food and Drug A

Federal obligations to universiti traineeships, and training grants,



[a]Established in FY 1971.

SOURCE: National Science Foundation (C

EDUCATION ACTIVITIES

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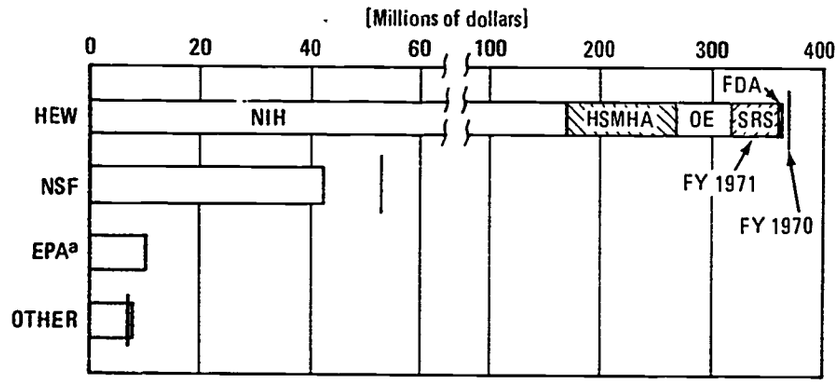
The Department of Health, Education, and Welfare continued to be the predominant supporter of manpower training, providing 86 percent of the 1971 fellowship and traineeship total, the same proportion as in 1970. Of the $361 million in HEW obligations for 1971, nearly one-half was in support of the medical and health-related training programs sponsored by the National Institutes of Health. Of the $169 million in NIH funding in 1971, 72 percent was allocated to training grants and 28 percent to fellowships.

Other components within HEW also contribute substantially to the Nation's scientific training support. During 1971 the Health Services and Mental Health Administration granted $99 million to universities and colleges for fellowships and traineeships; the Office of Education, $52 million; and the Social and Rehabilitation Service, $40 million. The remaining $1 million was obligated by the Food and Drug Administration.

Federal obligations to universities and colleges for fellowships, traineeships, and training grants, by agency



[a]Established in FY 1971.

SOURCE: National Science Foundation (CASE).

Total NSF support for training in the sciences and engineering was $10 million less in 1971 than in 1970 - a decrease of 20 percent. This decline in direct training support reflects principally the phasing out of NSF's Graduate Traineeship Program, a process which began in 1970 when the last new awards were granted. Traineeships awarded in 1971 covered only commitments from prior years. It is expected that decreases in the number of graduate students supported through this program will be partially offset by increases in the number of students supported through research grants.

Although the Environmental Protection Agency provided less than 3 percent of the 1971 Federal fellowship and traineeship funds, such funds constituted more than one-third of EPA's total academic science funding. This was the largest proportion among the nine agencies funding training programs.

Of the Federal agencies which reported funds for fellowships, traineeships, and training grants in both 1970 and 1971, only two, NIH and SRS (both HEW constituents), registered increases for 1971. NIH's 2-percent increase reflects in part the fact that it was the only agency in 1971 with funds for new traineeship a

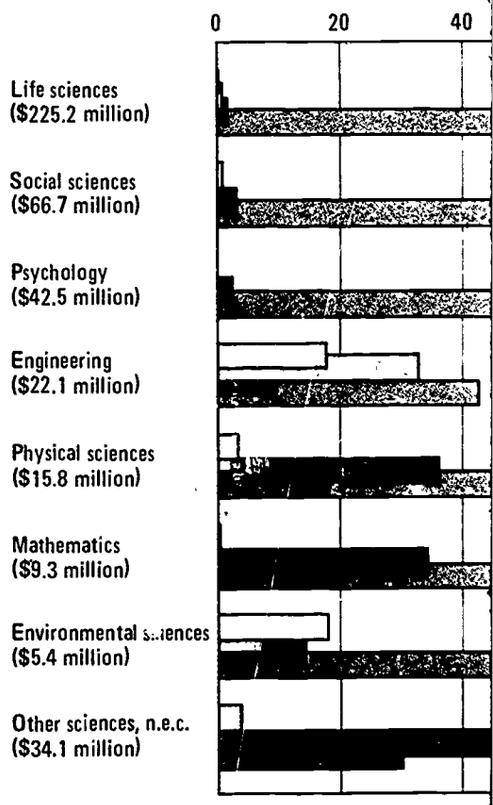
FIELD OF SCIENCE

Because of the dominance of HEW in support of training activities, over one-half of the 1971 funds for fellowships, traineeships, and training grants are concentrated within the life sciences. Moreover, the 1971 support level of $225 million for the life sciences was nearly 3½ times the level of support for the next ranking field, the social sciences. Fifty-eight percent ($130 million) of the life sciences funds supported fellowship and traineeship programs in clinical medicine.

The extent to which HEW components dominated support varied among the fields. In each of the three highest-ranked fields - the life sciences, social sciences, and psychology - HEW obligated over 95 percent of the funds. Whereas NIH provided over three-fifths of the HEW support in the life sciences, OE and HSMHA were major contributors to the social sciences, accounting for 40 percent and 30 percent, respectively, of the $63 million HEW total. Within psychology, 41 percent of the $41 million total supported training in the biological aspects of psychology, largely sponsored by HSMHA, and 39 percent represented programs in the social aspects of psychology, funded primarily by SRS.

Engineering, which ranked fourth in field 5 percent of the 1971 fellowship and traini porters in this field were HEW and EPA respectively, of the total. While engineering percent of HEW's total training support, EPA's training funds. AEC, DOT, and NASA efforts within engineering, allocating to this 47 percent ($1.3 million), and 98 percent totals for training programs.

Distribution of Federal obligations to un fellowships, traineeships, and training gra agency, FY 1971



SOURCE: National Science Foundation (CASE).

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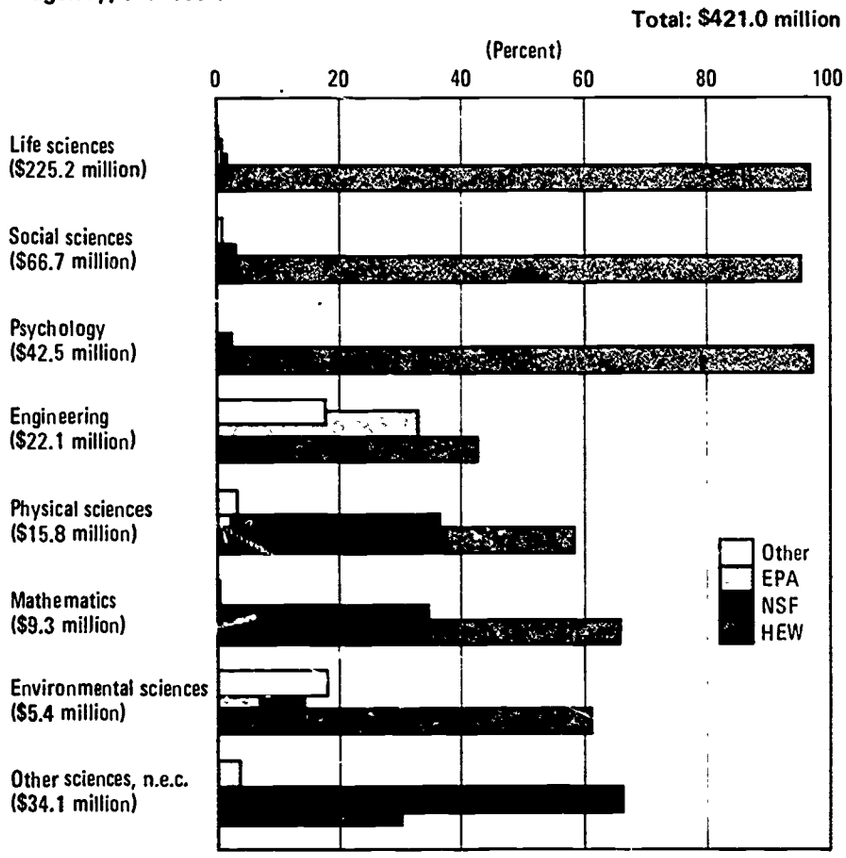
Engineering, which ranked fourth in field support, received $22 million or 5 percent of the 1971 fellowship and training total. The two principal supporters in this field were HEW and EPA with 43 percent and 30 percent, respectively, of the total. While engineering funds accounted for less than 3 percent of HEW's total training support, they represented two-thirds of EPA's training funds. AEC, DOT, and NASA also concentrated their training efforts within engineering, allocating to this field 56 percent ($1.5 million), 47 percent ($1.3 million), and 98 percent ($1.0 million) of their respective totals for training programs.

Distribution of Federal obligations to universities and colleges for fellowships, traineeships, and training grants, by field of science and agency, FY 1971



SOURCE: National Science Foundation (CASE).

Next in order of funding were the physical sciences with 4 percent of the $421 million training total. Obligations in this field amounted to $16 million, 59 percent of which was awarded by HEW and 36 percent by NSF. Training awards in the physical sciences accounted for the largest amount of NSF support for any field.

Less than 4 percent of the 1971 funds supported training activities in the remaining two major fields, mathematics and the environmental sciences.

Some 8 percent of the 1971 obligations for fellowships, traineeships, and training grants was not allocable to a specific scientific discipline. Of the $34 million in the "other sciences, n.e.c." category, nearly two-thirds represented NSF funds. NSF which reported 53 percent of its 1971 training total under this category could not predetermine the fields in which training would be undertaken at the time the traineeships were awarded, since the grantee institution determines in which department (field) students shall receive traineeship appointments.

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GEOGRAPHIC DISTRIBUTION

The distribution of Federal training support among the nine geographic divisions was virtually the same in 1971 as in 1970 with each division evidencing a 1970-71 proportional change of less then one percentage point. The Middle Atlantic, West North Central, East North Central, and New England divisions showed slight declines in their respective share, while all others had larger shares.

As in the 2 prior years, the Middle Atlantic led all other divisions with $83 million, or 20 percent, of the 1971 training total. This division's 1971 funding level represents a 2-percent decline from the 1970 level. Ranking second was the East North Central division which received a total of $72 million in 1971, 6 percent less than 1970, the largest regional decline. The Pacific and South Atlantic divisions accounted for the next largest proportions of training obligations with 16 percent and 14 percent, respectively, of the national total for this support category. Of the two, only the South Atlantic division evidenced a gain in the 1970-71 period with training funds to universities and colleges in this division increasing by 2 percent from 1970-71.

**Geographic distribution of F
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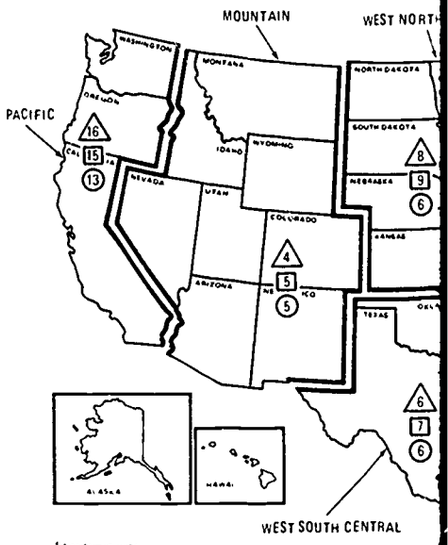
colleges compared to selected**



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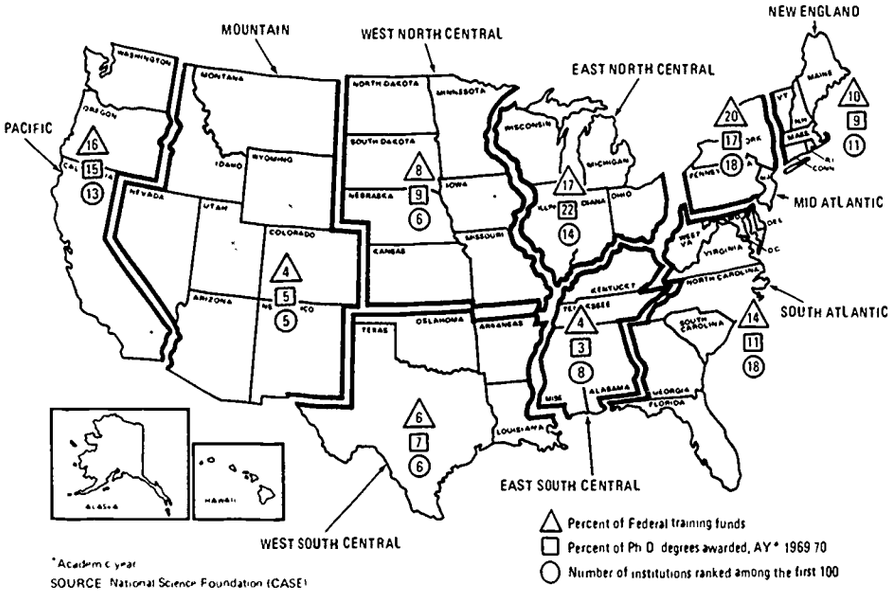
Because training support is highly concentrated among the 100 institutions receiving the largest amounts of funds, the ranking position of the various divisions is determined to a large extent by the number of first 100 institutions located within a particular division. The four leading divisions in terms of training funds also accounted for the largest numbers of leading institutions, although not necessarily in the same rank order. Sixty-three of the leading 100 universities and colleges were located in 19 of the 22 States which comprise the four highest-ranking divisions.

Since Ph.D. production indicates a capacity for research and training, there is a close relationship between the proportion of Federal obligations received for fellowships, traineeships, and training grants and the proportion of Ph.D. degrees conferred in the sciences and engineering. The variance between training obligations and Ph.D. degrees granted was no more than 3 percentage points in all geographic divisions but one. Institutions in the East North Central division did not reflect this close relationship. They received only 17 percent of the 1971 Federal training support, although they granted 22 percent of the Ph.D. degrees, the largest proportion among the nine geographic divisions.

Geographic distribution of FY 1971 Federal obligations for fellowships, traineeships, and training grants to universities and colleges compared to selected educational and institutional data



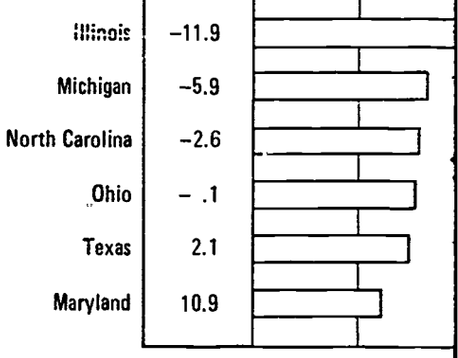
*Academic year
SOURCE National Science Foundation (CASE)

The 10 States leading in receipt of Federal training support for 1971 accounted for $250 million, or nearly 60 percent of the national total for this support category. New York, California, and Massachusetts were the first three States, receiving as a group over 30 percent of the 1971 fellowship, traineeship, and training grant funds. New York, reflecting primarily NIH obligations to medical schools—11 of the Nation's 95 medical schools are located in this State—was granted a total of $53 million, or 13 percent of the 1971 training funds. California, second to New York in number of medical schools with eight, was also second in training obligations, receiving $48 million, or 1.5 times the level of third-ranked Massachusetts.

Only three of the leading 10 States registered increases between 1970 and 1971. Maryland experienced the largest gain among the top 10 States. The 1971 increase of 11 percent is mainly the result of a sizable increase in funds to Johns Hopkins University, the primary recipient among Maryland institutions. Also registering gains in 1971 were Pennsylvania and Texas with respective increases of 4 percent and 2 percent.

In many States, one or two individual institutions continue to account for the major share of Federal training support within the State. Harvard University and the Massachusetts Institute of Technology accounted for over 56 percent of the Massachusetts total. Seventy-two percent of the Federal training obligations to Maryland institutions went to Johns Hopkins University. Similarly, Duke University and the University of North Carolina together received nearly 80 percent of such funds for North Carolina.

Federal obligations to universities an traineeships, and training grants in th largest amounts, FY 1971



SOURCE: National Science Foundation (CASE).

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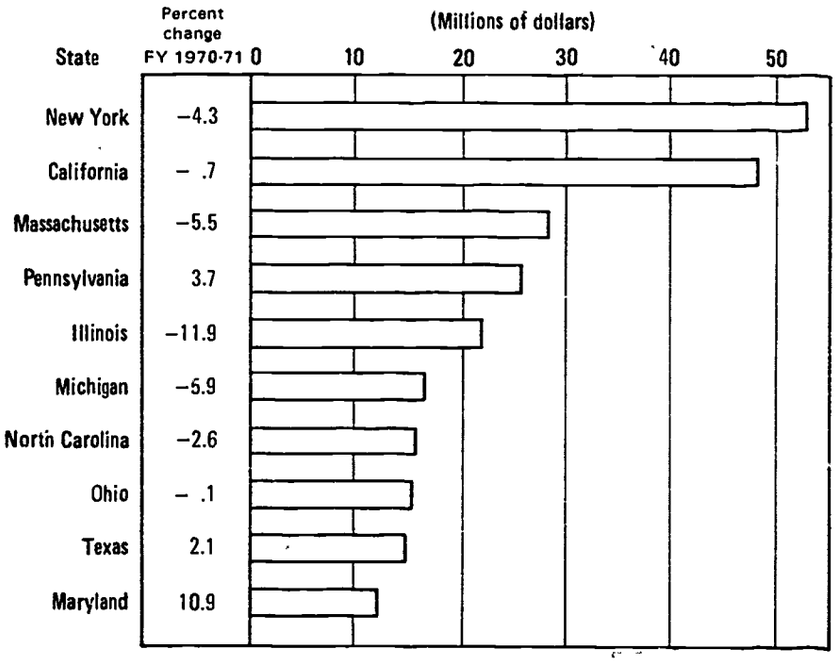
Federal obligations to universities and colleges for fellowships, traineeships, and training grants in the 10 States receiving the largest amounts, FY 1971



SOURCE: National Science Foundation (CASE).

INSTITUTIONAL DISTRIBUTION

Between 1969 and 1971 the number of universities and colleges participating in federally supported training programs in the sciences and engineering increased by 64 percent from 485 to 795 (system offices excluded) while obligations for such programs decreased by 3 percent. This has resulted in a greater dispersion of funds among institutions. In these 3 years, the average amount of support awarded to institutions for training activities declined by 41 percent from $893,000 per institution in 1969 to $527,000 per institution in 1971.

Although each of the three lowest classes in terms of size of Federal training program evidenced an increase in the number of institutions, the most significant gain occurred in the lowest size class. The number of universities and colleges receiving less than $100,000 nearly doubled—from 274 in 1969 to 528 in 1971. Sixty-six percent of the recipients secured training funds totaling less than $100,000 in 1971 compared to 56 percent in 1969.

Number of universities and colleges receiving Federal obligations for fellowships, traineeships, and training grants ranked by size of Federal program, fiscal years 1969-71

Size of Federal program	1969		1970		1971	
	Number of institutions	Percent distribution	Number of institutions	Percent distribution	Number of institutions	Percent distribution
Total	485	100.00	607	100.00	795	100.00
$10 million or more	3	.62	2	.33	1	.13
$5 million to $9.9 million	20	4.12	20	3.29	21	2.64
$1 million to $4.9 million	79	16.29	79	13.01	75	9.43
$500,000 to $999,000	37	7.63	49	8.07	53	6.67
$100,000 to $499,000	72	14.85	97	15.98	117	14.72
Less than $100,000	274	56.49	360	59.31	528	66.42

SOURCE: National Science Foundation (CASE).

The trend toward a wider dispersio
and training grants was also reflected
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$421 million awarded in 1971 for fel
percentage points less than in 1969.

Each of the sponsoring agencies
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degree. HEW awarded 83 percent ($
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percent and 63 percent, respectively
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During the 1969-71 period, the
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Many of the institutions that rank
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The principal recipients of funds
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**leral obligations for fellowships,
of Federal program, fiscal years**

	1970		1971	
	nber of itutions	Percent distribution	Number of institutions	Percent distribution
	607	100.00	795	100.00
	2	.33	1	.13
	20	3.29	21	2.64
	79	13.01	75	9.43
	49	8.07	53	6.67
	97	15.98	117	14 72
	360	59 31	528	66 42

The trend toward a wider dispersion of funds for fellowships, traineeships, and training grants was also reflected in data for the leading 100 universities and colleges. The 100 highest-ranking institutions received 81 percent of the $421 million awarded in 1971 for fellowships and other training programs, 5 percentage points less than in 1969.

Each of the sponsoring agencies concentrated their training program funding within the group of 100 leading institutions, but not to the same degree. HEW awarded 83 percent ($300 million) of its 1971 funds to these 100 institutions of higher education, whereas NSF and EPA awarded 69 percent and 63 percent, respectively, of their scientific manpower training funds to this group.

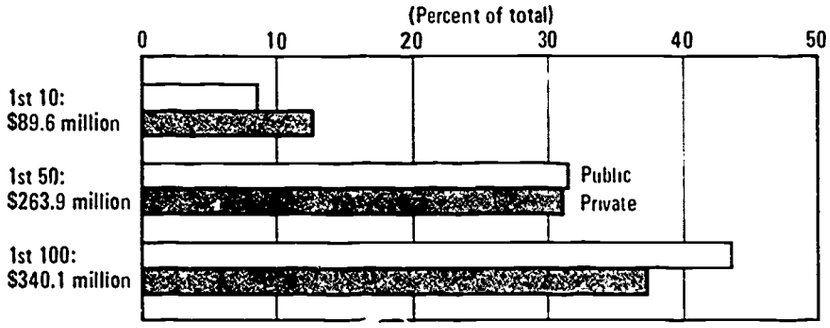
During the 1969-71 period, the composition of the leading 100 institutions of higher education remained relatively stable, although the rank order varied considerably. Of the 100 universities and colleges receiving the largest amounts of Federal fellowship and traineeship obligations in 1971, 93 were among the leading 100 in 1969 and 95 in 1970.

Many of the institutions that rank high in training support are among the leading recipients in R&D funding, since academic institutions with recognized research capabilities are also those with the faculty and facilities for training science graduate students. Twelve of the leading 15 institutions in terms of fellowship and traineeship support ranked among the first 15 in terms of R&D support. Furthermore, 78 of the 100 leading recipients of training funds were among the 100 top recipients of R&D funds.

The principal recipients of funds for fellowships, traineeships, and other training grants are also the principal producers of advanced degrees. The leading 100 universities and colleges in terms of 1971 training obligations granted 75 percent of all Ph.D. degrees awarded in the sciences and engineering during 1969-70 and 78 percent of the medical doctorates (M.D. and D.D.S. degrees). These degree-granted percentages represented by the top 100 institutions are slightly lower than the 81 percent of total training support received by these institutions. This is partly due to the fact that a number of the top-ranking institutions chosen by fellowship awardees for advanced training are not necessarily the largest in terms of degrees granted. Also, those institutions that are in the process of developing or expanding their graduate programs would currently show a lower proportion of degrees awarded than support received, since there is a lapse between the time funds are awarded to graduate students and the time the degrees are conferred.

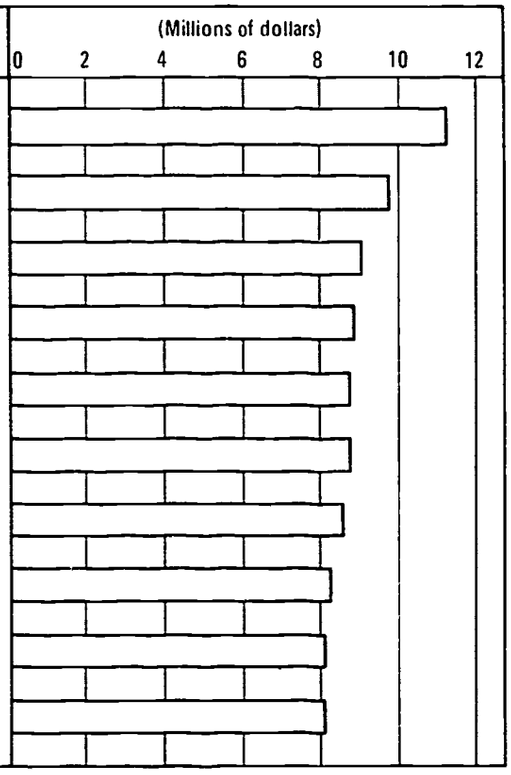
Federal obligations for fellowships, traineeships, and training grants to universities and colleges receiving the largest amounts

By type of control



First 10 institutions

Institution	FY 1970 Rank	Percent change, 1970-71
Harvard University	1	−5.5
University of Washington	4	2.6
University of Michigan	2	−14.9
University of Minnesota	7	.9
University of Wisconsin – Madison	8	3.1
Johns Hopkins University	14	12.8
University of Pennsylvania	9	1.0
New York University	12	1.6
Columbia University	6	−9.2
Stanford University	5	−11.2



SOURCE: National Science Foundation (CASE).

Within the group of 100 top-rankin
trolled universities and colleges received
the total funds for fellowships and othe
institutions in the top 100 awarded 48
sciences and engineering during 1969-
institutions in this group, there was a g
age of Ph.D. degrees awarded and the
private institutions with a total of $157
the total training funds, but only 27 pe
in 1969-70.

Federal obligations to the 10 leading
during 1971, slightly more than one-f
total. Within the group of 10 leading
total for training activities was awarded
granted 9 percent of the 1969-70 Ph.D
publicly controlled institutions in this g
training obligations and awarded 8 per
ences and engineering during 1969-70.

Support to four of the leading 10 uni
ing the previous fiscal year. While lower
the overall declines registered by the U
University, a reduction in NSF fellow
major factor in the funding decreases f
University. The six other leading instit
port in 1971, particularly Johns Hopki
million in 1970 to $8.8 million in 197
Johns Hopkins' increase is attributable
training grant obligations in the life scien

For the third consecutive year, Harvar
recipient of Federal fellowship and trai
of $11 million, 6 percent below the am
also the leading HEW recipient, receivin
four-fifths of the institution total.

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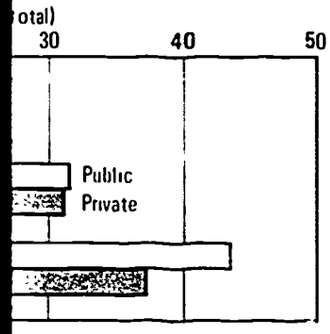

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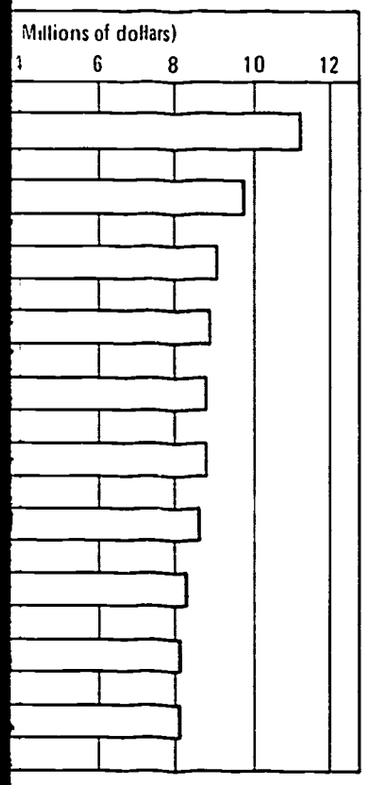


Within the group of 100 top-ranking institutions, the 60 publicly controlled universities and colleges received $183 million in 1971, 44 percent of the total funds for fellowships and other training grants. In addition, public institutions in the top 100 awarded 48 percent of the Ph.D. degrees in the sciences and engineering during 1969-70. For the 40 privately controlled institutions in this group, there was a greater variation between the percentage of Ph.D. degrees awarded and the percentage of funds received. The private institutions with a total of $157 million accounted for 37 percent of the total training funds, but only 27 percent of the Ph.D. degrees conferred in 1969-70.

Federal obligations to the 10 leading institutions amounted to $90 million during 1971, slightly more than one-fifth of the fellowship and training total. Within the group of 10 leading universities, 13 percent of the 1971 total for training activities was awarded to the six private institutions which granted 9 percent of the 1969-70 Ph.D. degrees. By comparison, the four publicly controlled institutions in this group received 9 percent of the total training obligations and awarded 8 percent of the Ph.D. degrees in the sciences and engineering during 1969-70.

Support to four of the leading 10 universities was lower in 1971 than during the previous fiscal year. While lower HEW levels primarily contributed to the overall declines registered by the University of Michigan and Columbia University, a reduction in NSF fellowship and traineeship support was a major factor in the funding decreases for Harvard University and Stanford University. The six other leading institutions received increased dollar support in 1971, particularly Johns Hopkins University, which rose from $7.8 million in 1970 to $8.8 million in 1971, a 13-percent gain. Virtually all of Johns Hopkins' increase is attributable to a $1 million increase in HEW training grant obligations in the life sciences.

For the third consecutive year, Harvard University was the highest-ranking recipient of Federal fellowship and traineeship obligations with a 1971 total of $11 million, 6 percent below the amount reported for 1970. Harvard was also the leading HEW recipient, receiving $9 million from this agency, over four-fifths of the institution total.

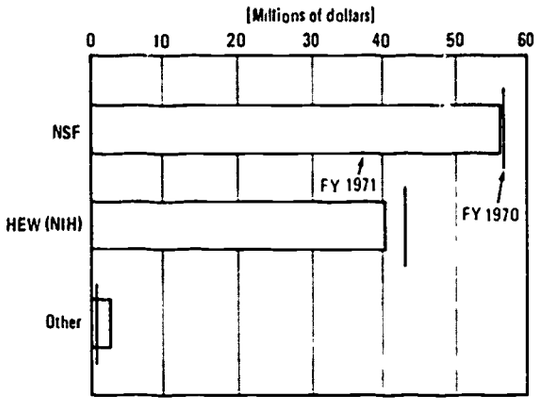
General Support for Science

AGENCY DISTRIBUTION

During 1971 $100 million was awarded by the Federal Government to universities and colleges for programs designed to strengthen or enlarge institutional capabilities for research and science education. These "general support for science" programs are sponsored principally by the National Science Foundation and the Department of Health, Education, and Welfare. In 1971 these two agencies provided 97 percent of the general support for science funds with respective shares of 57 percent and 40 percent. The remaining 3 percent was obligated by the Departments of Commerce, Interior, and Labor.

General support for science programs administered by NSF in 1971 included the Institutional Grants for Science Program (formula grants) and the Science Development Program as well as the College Science Improvement Program and Cooperative College-School Science Program. In 1971 NSF funds to institutions of higher education for general support activities totaled $57 million, a slightly lower level than in 1970. This decrease in funding reflects the gradual phasing out of the Science Development Program by the Foundation; however, the impact of this action on NSF's level of funding will be more evident in subsequent fiscal years.

Federal obligations to universities and colleges for general support for science, by agency



SOURCE: National Science Foundation (CASE).

HEW's general support for science program which is limited to awards by the National Institutes of Health is composed of three elements: General research support, biomedical sciences support, and health sciences advancement awards. In 1971 NIH distributed $40 million to academic institutions, primarily health professional schools, for the general support of science. The 1971 level of NIH funding for these activities represented a 7-percent decrease from 1970.

GEOGRAPHIC DISTRIBUTION

Academic institutions in the Middle Atlantic division were the leading recipients of general support for science funding in 1971 with $20 million, one-fifth of the total for this category of support. This division received a similar share of R&D and fellowship and training funds, 18 percent and 20 percent, respectively. The other geographic divisions, however, showed a lesser degree of comparability among the three academic science categories reflecting the greater regional dispersion of funds for institutional development activities.

The higher ranking divisions in terms of R&D and training support received proportionately smaller amounts of general support funds than R&D and training funds. Universities and colleges in New England, for example, accounted for only 8 percent of the 1971 general support for science total as compared with 14 percent and 10 percent, respectively, of total R&D and training support. Similarly, the Pacific division received 20 percent and 16 percent, accordingly, of R&D and training obligations, but less than

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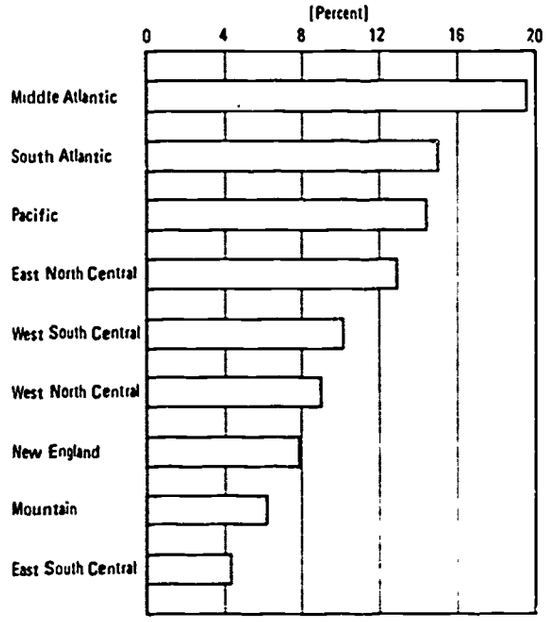
Fifty-four percent of the 1971 general support for science funds was distributed to the 10 States receiving the largest amounts, ranging from $10 million for New York to less than $3 million for Wisconsin.

Geographic distribution of Federal obligations to universities and colleges for general support for science, FY 1971



SOURCE: National Science Foundation (CASE).

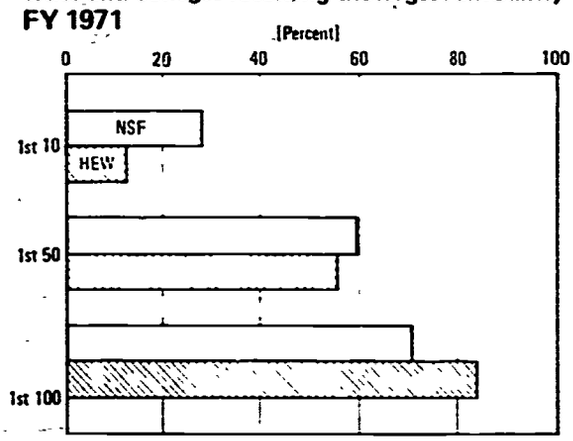
INSTITUTIONAL DISTRIBUTION

During 1971 Federal funds for the general support of science were distributed to 714 academic institutions and 13 system offices. Of the 714 recipient institutions, 689 received general support for science awards from NSF and 161 were awarded NIH general research support grants. Although general support for science programs have, as one of their objectives, the attainment of a wider institutional distribution of support, those sponsored by NIH are restricted to fewer participants than those of the Foundation because (1) the NIH General Research Support Grants Program (the main component of this agency's general support program) provides awards only to institutions which received over $100,000 in NIH and NIMH research grants in the preceding year and (2) grants are awarded primarily to medical and other health professional schools which are limited in number. During 1971 four-fifths ($32 million) of the NIH total for this type of support was allocated to health professional schools.

The 100 universities and colleges receiving the largest amounts of general support for science funds accounted for 85 percent ($34 million) and 71 percent ($40 million) of NIH and NSF general support obligations, respectively. The share of NSF support represented by the first 20 institutions was, however, double that of NIH - 44 percent as compared with 22 percent.

In terms of individual institutions, 14 universities and colleges received in excess of $1 million from the Foundation, while only two institutions were awarded that amount by NIH. Ranking first in terms of NSF support with $2 million was Carnegie Mellon University which ranked seventh in total support, while Duke University, 19th in total support, was the largest NIH recipient with $1 million.

Distribution of NSF and HEW(NIH) obligations for general support for science to the 100 universities and colleges receiving the largest amounts, FY 1971



SOURCE: National Science Foundation (CASE).

Facilities and Equipment for Instruction in Science and Engineering

AGENCY DISTRIBUTION

Federal support for instructional facilities in the sciences and engineering totaled $29 million in 1971. Obligations by the Office of Education, the only HEW component to report funds under this support category, amounted to $14 million, 48 percent of the total. OE's science construction and facilities improvement funds which are authorized under Title I of the Higher Education Facilities Act are directed predominantly to developing academic institutions, many of which are two-year community colleges and technical institutes.

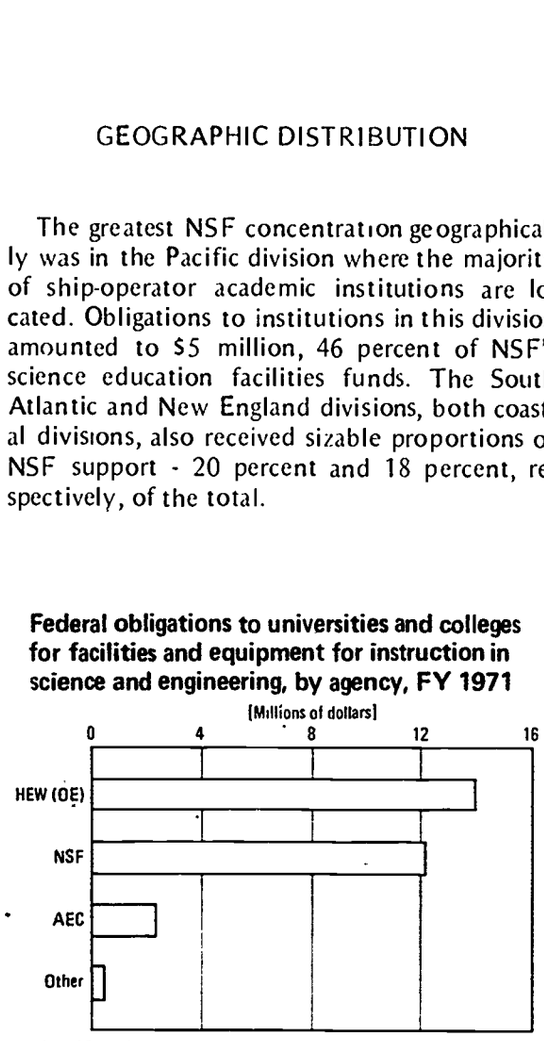
During 1971 NSF the second major supporting agency awarded $12 million, or 42 percent of the total, to universities and colleges for instructional science facilities and equipment. In contrast to OE's more broadly based facilities funds, NSF funds allocated for this purpose mainly financed ship operations and oceanographic laboratories. NSF's oceanographic facilities support grants which totaled $10 million in 1971 enable academic institutions to expand their existing oceanographic research and training programs and to develop new programs. Although these facilities serve two interrelated purposes, research and training, they are, in actuality, utilized primarily for oceanographic research. Since funds could not be apportioned between research and instruction, the amount reported by NSF in 1971 under the "facilities and equipment for instruction" category is overstated. Also included in the 1971 NSF total for this category were awards to 19 institutions of higher education totaling $2 million for computer facilities projects.

The remaining three agencies funding science facilities projects in 1971 - AEC, USDA, and Interior - obligated a combined total of less than $3 million. Of that amount, over $2 million represented AEC funds. Eighty-seven percent of AEC's $2.3 million total for instructional facilities was obligated to the University of Puerto Rico System Office for construction at the Puerto Rico Nuclear Center.

GEOGRAPHIC DISTRIBUTION

The greatest NSF concentration geographically was in the Pacific division where the majority of ship-operator academic institutions are located. Obligations to institutions in this division amounted to $5 million, 46 percent of NSF's science education facilities funds. The South Atlantic and New England divisions, both coastal divisions, also received sizable proportions of NSF support - 20 percent and 18 percent, respectively, of the total.

Federal obligations to universities and colleges for facilities and equipment for instruction in science and engineering, by agency, FY 1971



SOURCE: National Science Foundation (CASE).

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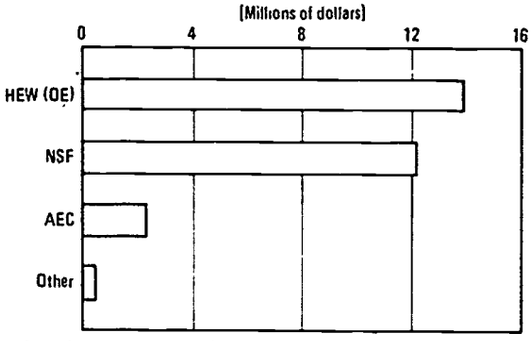

SOURCE National Science Foundation (CASE).

Educational institutions in the Pacific accounted for only 6 percent of OE's science facilities support. OE funds were largely directed to universities and colleges in the Middle Atlantic, East North Central, and South Atlantic divisions which received, in order, 22 percent, 16 percent, and 15 percent of OE's total science construction obligations. Over one-half of OE's science facilities funds in the Middle Atlantic division supported institutions in New York, primarily community colleges under the State University of New York System.

INSTITUTIONAL DISTRIBUTION

In terms of degree of concentration and individual recipient, the institutional funding pattern reflects differences in the type of agency facility program classified under this support category. NSF funds were highly concentrated among a few institutions as indicated by both the total number of institutions receiving NSF support and the proportion of support received by the leading institutions. Of the 456 universities and colleges receiving Federal funds for instructional facilities and equipment, NSF supported only 43 institutions, eighteen of which were ship-operator institutions. Moreover, the three top-ranking institutions in terms of total and as well as NSF support - the University of California, San Diego Woods Hole Oceanographic Institution, and the University of Miami - accounted for 43 percent ($5 million) of the Foundation's 1971 science facilities funds. These three institutions operate 12 of the 32 ships currently supported by NSF.

OE's science facilities and equipment support, on the other hand, was distributed among 406 universities and colleges. The largest OE award for construction and improvement of instructional science facilities in 1971 was one of $900,000 to Tompkins-Cortland Community College (SUNY), three times the amount granted to the next highest ranked OE recipient, Cuyahoga Community College.

Section 3. FEDERALLY FUNDED RESEARCH AND DEVELOPMENT ADMINISTERED BY UNIVERSITIES AND COLLEGES

Six Federal agencies allocated $984 million to 31 academically associated Federally Funded Research and Development Centers (FFRDC's) in fiscal year 1971. Although overall Federal support increased by $23 million, less than one-half (15) the total number of FFRDC's received more funding in 1971 than in 1970.

Agency Distribution

AEC continues as the principal Federal agency in the funding of academically associated FFRDC's, with 64 percent of the Federal total. NASA and DOD awarded $312 million, or 32 percent of the total. All other agencies (primarily NSF and HEW) represented 5 percent of total funding in 1971. Their proportion of the total, however, was up from 4 percent in 1970, primarily because of a $10 million increase in NSF support.

R&D plant support amounted to nearly 19 percent of all Federal funding at FFRDC's, compared to only 1 percent at universities and colleges. Of the $185 million in Federal R&D plant funds to FFRDC's, 92 percent came from AEC. The R&D programs of AEC require large facilities and equipment, such as the 200-Bev proton synchrotron at the National Accelerator Laboratory in Illinois. This one facility, whose total cost is $250 million, spread over a 5-year period, received $85 million in 1971 R&D plant funding.

Federal obligations to Federal
administered by universities

(D

Agency	To
Total, all agencies	
Atomic Energy Commission	
Department of Defense	
Department of the Navy	
Department of the Air Force	
Department of Health, Education, and Welfare	
National Institutes of Health	
Office of Education	
Department of Housing and Urban Development	
National Aeronautics and Space Administration	
National Science Foundation	

SOURCE National Science Foundation (

FUNDED RESEARCH AND DEVELOPMENT CENTERS
ERED BY UNIVERSITIES AND COLLEGES

million to 31 academically associated
lopment Centers (FFRDC's) in fiscal
support increased by $23 million, less
of FFRDC's received more funding in

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ercent of the Federal total. NASA and
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ity, whose total cost is $250 million,
$85 million in 1971 R&D plant fund-

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by agency and type of program, fiscal year 1971

[Dollars in thousands]

Agency	Total Federal obligations	Research and development	R&D plant	Other science activities
Total, all agencies	$984,001	$794,874	$184,709	$4,418
Atomic Energy Commission	626,621	452,816	169,659	4,146
Department of Defense	137,086	137,086	.....	.....
Department of the Navy	81,980	81,980	.....	.....
Department of the Air Force	55,106	55,106	.....	.....
Department of Health, Education, and Welfare	7,427	7,155	.....	272
National Institutes of Health	709	437	.....	272
Office of Education	6,718	6,718	.....	.....
Department of Housing and Urban Development	550	550	.....	.....
National Aeronautics and Space Administration	175,077	164,517	10,560	.....
National Science Foundation	37,240	32,750	4,490	.....

SOURCE: National Science Foundation (CASE).

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, fiscal years

[Dollars in thousands]

State and Institution	1963	1964	1965	1966	1967	1968	1969	1970	1971	Sp A
Total	$814,082	$862,353	$895,287	$917,631	$907,549	$935,820	$916,872	$960,906	$984,001	
Arizona:										
Cerro Tololo Inter-American Observatory (Chile)[a]	1,100	1,100	1,465	1,471	1,713	2,325	4,550	1,900	2,200	NSF
Kitt Peak National Observatory[a]	3,750	4,400	6,915	5,791	5,485	12,475	5,700	6,400	7,200	NSF
California.										
Center for Research and Development in Higher Education	.....	.....	.....	.....	849	1,459	938	879	718	HEW
Center for the Study of the Evaluation of Instructional Program	.....	.....	.....	.....	534	868	809	648	572	HEW
Jet Propulsion Laboratory[b]	230,168	226,194	245,094	230,091	222,169	206,074	156,295	180,047	173,360	NAS
Lawrence Laboratories	162,854	169,424	156,254	169,870	174,661	184,500	179,185	187,686	176,861	AEC
Stanford Center for Research and Development in Teaching	.....	.....	.....	.....	797	1,597	5,007	928	928	HEW
Stanford Linear Accelerator Center	16,193	24,122	43,943	50,969	30,891	28,996	31,001	27,051	29,046	AEC
Colorado.										
National Center for Atmospheric Research[a]	6,019	10,036	8,941	11,791	16,576	14,679	14,061	11,414	15,200	NSF
District of Columbia.										
Center for Research in Social Systems[c]	947	934	1,843	1,808	1,936	1,618	1,861	620	.....	DOD
Georgia:										
Research and Development Center in Educational Stimulation[c]	.....	.....	.....	.....	732	1,294	809	339	.....	HEW
Illinois:										
Argonne National Laboratory[d]	74,947	84,507	86,329	87,255	97,262	113.178	112,874	104,187	105,387	AEC
Coordination Center for the National Program in Early Childhood Education[c]	.....	.....	.....	.....	.....	1,562	1,723	473	.....	HEW
National Accelerator Laboratory[a]	.....	.....	.....	.....	.....	3,377	14,763	49,527	94,219	AEC
Iowa:										
Ames Laboratory	6,549	7,360	8,464	9,089	9,371	9,891	8,886	8,885	8,111	AEC

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years to Federally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-71

[Dollars in thousands]

Sp A	964	1965	1966	1967	1968	1969	1970	1971	Sponsoring Agency	Administered by
	,353	$895,287	$917,631	$907,549	$935,820	$916,872	$960,906	$984,001		
NSF	,100	1,465	1,471	1,713	2,325	4,550	1,900	2,200	NSF	Association of Universities for Research in Astronomy, Inc
NSF	,400	6,915	5,791	5,485	12,475	5,700	6,400	7,200	NSF	Association of Universities for Research in Astronomy, Inc.
HEW	...	.....	.....	849	1,459	938	879	718	HEW (OE)	University of California
HEW	...	.....	.....	534	868	809	648	572	HEW (OE)	University of California
NAS	,194	245,094	230,091	222,169	206,074	156,295	180,047	173,360	NASA	California Institute of Technology
AEC	,424	156,254	169,870	174,661	184,500	179,185	187,686	176,861	AEC	University of California
HEW	...	.....	.....	797	1,597	5,007	928	928	HEW (OE)	Stanford University
AEC	,122	43,943	50,969	30,891	28,996	31,001	27,051	29,046	AEC	Stanford University
NSF	,036	8,941	11,791	16,576	14,679	14,061	11,414	15,200	NSF	University Corporation for Atmospheric Research
DOD	934	1,843	1,808	1,936	1,618	1,861	620	.....	DOD (Army)	American University
HEW	....	.....	.....	732	1,294	809	339	.....	HEW (OE)	University of Georgia
AEC	507	86,329	87,255	97,262	113,178	112,874	104,187	105,387	AEC	University of Chicago and Argonne Universities Association
HEW	....	.....	.....	.....	1,562	1,723	473	.....	HEW (OE)	University of Illinois
AEC	...	.....	.....	.....	3,377	14,763	49,527	94,219	AEC	University Research Association
AEC	,360	8,464	9,089	9,371	9,891	8,886	8,885	8,111	AEC	Iowa State University of Science and Technology

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, fisc

[Dollars in thousands]

State and Institution	1963	1964	1965	1966	1967	1968	1969	1970	1971
Maryland:									
Applied Physics Laboratory	42,096	49,124	54,097	52,491	47,172	49,719	51,218	53,444	62,90
Center for the Study of Social Organization of Schools and the Learning Process	.....	.....	.....	.....	.....	742	620	650	33
Massachusetts:									
Cambridge Electron Accelerator[e]	5,946 2,632	5,717 3,424	5,851 3,792	6,130 3,517	6,786 3,596	4,778	4,849	4,412	2,88
Center for Research and Development in Educational Differences[c]	.....	.....	.....	1,112	1,165	.....	.....	.....	.....
Lincoln Laboratory	70,606	78,764	68,683	64,060	66,989	62,319	61,379	55,648	57,11
New Jersey:									
Plasma Physics Laboratory	7,542	8,268	6,997	6,556	6,572	7,446	7,796	7,680	8,21
Princeton-Pennsylvania Accelerator[e]	6,224 881	5,500 1,790	7,521 1,982	8,825 1,801	7,971 1,775	6,422	6,461	5,090	2,01
New Mexico									
Los Alamos Scientific Laboratory	93,020	97,680	94,636	103,311	102,213	109,387	114,698	140,914	130,71
New York:									
Brookhaven National Laboratory[a]	59,180	58,619	63,564	64,407	64,160	66,814	74,995	72,660	65,61
Hudson Laboratory[c]	3,780	3,939	4,195	4,673	4,708	4,800	3,080	.....	.....
Oregon:									
Center for the Advanced Study of Educational Administration	.....	509	534	663	676	590	519	596	48
Pennsylvania									
Learning Research and Development Center	.....	.....	754	642	1,309	1,465	7,083	1,465	1,50
Ordnance Research Laboratory	3,763	4,827	7,025	9,597	8,120	9,371	8,577	8,412	7,88
Puerto Rico:									
National Astronomy and Ionosphere Center[f]	.....	.....	.....	.....	.....	.....	.....	2,106	5,80
Tennessee:									
Oak Ridge Associated Universities[a]	4,291	5,059	5,695	6,168	5,620	4,770	5,276	5,179	5,1

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ally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-71 (cont.)

[Dollars in thousands]

1971	1965	1966	1967	1968	1969	1970	1971	Sponsoring Agency	Administered by
62,90	54,097	52,491	47,172	49,719	51,218	53,444	62,908	DOD (Navy)	Johns Hopkins University
33	.....	.....	.....	742	620	650	332	HEW (OE)	Johns Hopkins University
2,88	5,851 3,792	6,130 3,517	6,786 3,596	4,778	4,849	4,412	2,886	AEC	Harvard University Massachusetts Institute of Technology
.....	.....	1,112	1,165	.....	.....	.....	.....	HEW (OE)	Harvard University
57,11	68,683	64,060	66,989	62,319	61,379	55,648	57,116	DOD (Air Force)	Massachusetts Institute of Technology
8,21	6,997	6,556	6,572	7,446	7,796	7,680	8,211	AEC	Princeton University
2,01	7,521 1,982	8,825 1,801	7,971 1,775	6,422	6,461	5,090	2,010	AEC	Princeton University University of Pennsylvania
130,71	94,636	103,311	102,213	109,387	114,698	140,914	130,716	AEC	University of California
65,61	63,564	64,407	64,160	66,814	74,995	72,660	65,614	AEC	Associated Universities, Inc.
....	4,195	4,673	4,708	4,800	3,080	.....	.....	DOD (Navy)	Columbia University
48	534	663	676	590	519	596	485	HEW (OE)	University of Oregon
1,50	754	642	1,309	1,465	7,083	1,465	1,509	HEW (OE)	University of Pittsburgh
7,88	7,025	9,597	8,120	9,371	8,577	8,412	7,884	DOD (Navy)	Pennsylvania State University
5,80	.....	.....	.....	.....	.....	2,106	5,800	NSF	Cornell University
5,11	5,695	6,168	5,620	4,770	5,276	5,179	5,138	AEC	Oak Ridge Associated Universities

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, fiscal years 1

[Dollars in thousands]

State and Institution	1963	1964	1965	1966	1967	1968	1969	1970	1971	S
Texas:										
Research and Development Center in Teacher Education	.....	.....	.....	.....	763	1,190	820	656	671	H
Virginia:										
Center for Naval Analyses	.....	.....	.....	.....	.....	8,838	9,218	9,085	7,688	D
Human Resources Research Organization[g]	2,794	3,081	3,382	2,752	2,853	1,645	3,445	.....	.....	D
Space Radiation Effects Laboratory	.....	.....	.....	729	1,815	586	1,213	865	1,371	N
Washington:										
Applied Physics Laboratory	3,200	2,275	2,178	5,145	2,836	3,192	3,205	2,682	1,957	D
West Virginia:										
National Radio Astronomy Observatory[a]	4,550	4,600	3,380	4,719	5,062	4,865	7,278	5,800	6,400	N
Wisconsin:										
Army Mathematics Research Center[c]	1,050	1,100	1,273	1,390	1,378	1,300	1,350	1,280	.....	D
Center for Research and Development for Learning and Re-education	.....	.....	500	808	1,034	1,688	5,330	1,298	1,503	H

[a] One of seven centers administered by university consortia.
[b] Includes sizeable amounts subcontracted, principally to industrial firms.
[c] Not an FFRDC in 1971.
[d] Administered by both university and consortium.
[e] Figures for 1968-71 were reported on a somewhat different basis than figures for 1963-67.
[f] This center (formerly known as Arecibo Observatory Science Foundation assumed responsibility for th institution.
[g] FFRDC status changed from "university administe institution are included in part II, section 2
SOURCE: National Science Foundation (CASE).

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Federally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-71 (cont.)

[Dollars in thousands]

S	64	1965	1966	1967	1968	1969	1970	1971	Sponsoring Agency	Administered by
H	...	.....	.....	763	1,190	820	656	671	HEW (OE)	University of Texas
D	...	.....	.....	.....	8,838	9,218	9,085	7,688	DOD (Navy)	University of Rochester
D	081	3,382	2,752	2,853	1,645	3,445	.....	.....	DOD (Army)	George Washington University
N	...	.....	729	1,815	586	1,213	865	1,371	NASA	College of William and Mary
D	275	2,178	5,145	2,836	3,192	3,205	2,682	1,957	DOD (Navy)	University of Washington
N	600	3,380	4,719	5,062	4,865	7,278	5,800	6,400	NSF	Associated Universities, Inc.
D	100	1,273	1,390	1,378	1,300	1,350	1,280	.....	OOD (Army)	University of Wisconsin
H	..	500	808	1,034	1,688	5,330	1,298	1,503	HEW (OE)	University of Wisconsin

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industrial firms.

different basis than figures for 1963-67.

[f] This center (formerly known as Arecibo Observatory) became an FFRDC in 1970 when the National Science Foundation assumed responsibility for the support of the research programs of this institution.

[g] FFRDC status changed from "university administered" to "nonprofit administered", data for this institution are included in part II, section 2.

SOURCE: National Science Foundation (CASE).

Institutional Distribution

Eight centers, little more than one-fourth the total number, accounted for nearly nine-tenths of total FFRDC support from Federal agencies in 1971. Five of these centers are under contract to AEC (Lawrence Laboratories, Los Alamos Scientific Laboratory, Argonne National Laboratory, National Accelerator Laboratory, and Brookhaven National Laboratory), two are sponsored by DOD (Applied Physics Laboratory and Lincoln Laboratory), and one is funded by NASA (Jet Propulsion Laboratory).

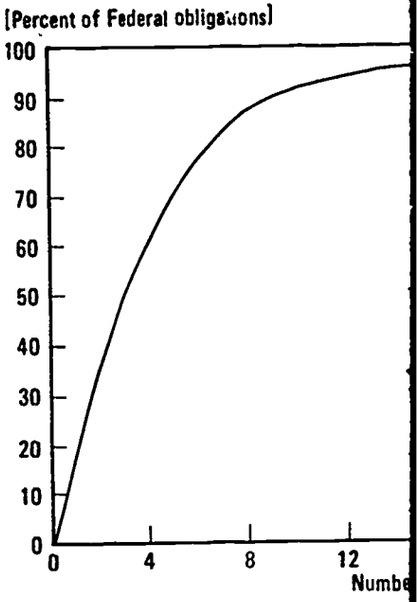
Federal funding is becoming increasingly concentrated among FFRDC's. The first 10 institutions accounted for 88 percent of total funding in 1969, 92 percent in 1970, and 93 percent in 1971. This trend is primarily attributable to the growing role of the larger centers in the high-energy physics programs. In each of the last 3 years AEC placed six centers among the leading 10 recipients of Federal support. These six institutions accounted for 58 percent, 61 percent, and 61 percent of all Federal support to all FFRDC's and 94 percent, 95 percent, and 96 percent of all AEC support in 1969, 1970, and 1971, respectively. Moreover, the total number of academically associated FFRDC's reported as receiving Federal funding went down from 35 in 1970 to 31 in 1971.

The Lawrence Laboratories for the third consecutive year led all other FFRDC's in total funding, with $177 million in 1971.[4] Another California FFRDC, Jet Propulsion Laboratory ranked a close second with $173 million in 1971.

The largest increase was posted by the National Accelerator Laboratory, up $45 million, or 90 percent, over the 1970 level. The size of the NAL funding increase ($45 million) from 1970-71 was nearly twice as much as all other increases combined.

Many FFRDC's, such as Brookhaven National Laboratory, Oak Ridge Associated Universities, the National Radio Astronomy Observatory, and Kitt Peak National Observatory, provide research, educational, and training opportunities beyond those available at universities. Some cooperative programs include: (1) faculty participation in projects at the centers to learn the latest research techniques, which are then applied to academic research projects upon return to their universities; (2) postdoctoral fellowships, with specific reference to those who plan on entering the teaching profession; and, (3) graduate fellowships whereby graduate students may use unique facilities to carry out doctoral research programs.

Concentration of Federal obligatio by universities and colleges, FY 19



SOURCE: National Science Foundation (CAS

[4] Beginning with FY 1972, AEC will report separate data for the Livermore and Berkeley laboratories, the two components of Lawrence Laboratories.

he total number, accounted for
from Federal agencies in 1971.
AEC (Lawrence Laboratories,
National Laboratory, National
National Laboratory), two are
ıtory and Lincoln Laboratory),
Laboratory).

concentrated among FFRDC's.
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This trend is primarily attribut-
s in the high-energy physics pro-
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ational Laboratory, Oak Ridge
o Astronomy Observatory, and
earch, educational, and training
versities. Some cooperative pro-
projects at the centers to learn
en applied to academic research
2) postdoctoral fellowships, with
ntering the teaching profession;
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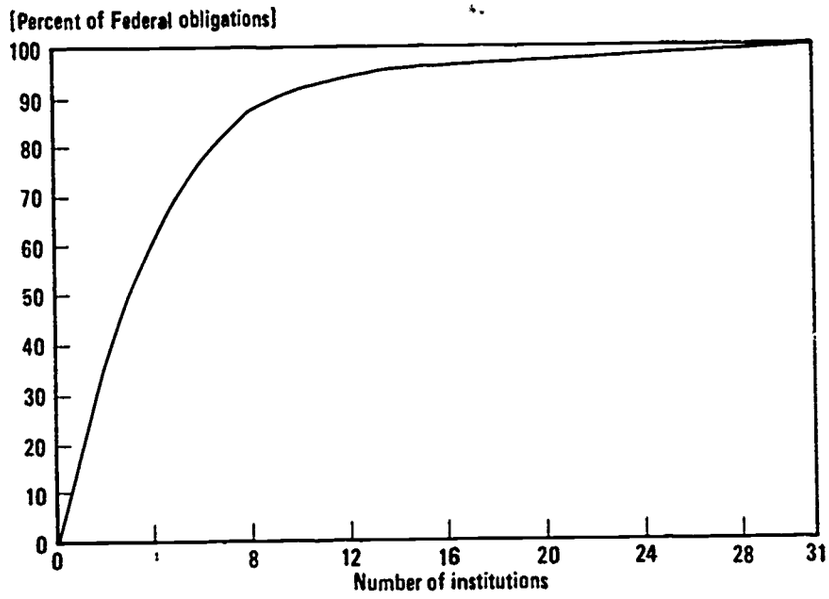
Concentration of Federal obligations to FFRDC's administered by universities and colleges, FY 1971



SOURCE: National Science Foundation (CASE).

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by State, institution, and type of program, fiscal year 1971

[Dollars in thousands]

State and institution	Agency	Total Federal obligations	Research and development	R&D plant	Other science activities
Total		$984,001	$794,874	$184,709	$4,418
Arizona:					
Cerro Tololo Inter-American Observatory	NSF	2,200	1,887	313	.....
Kitt Peak National Observatory	NSF	7,200	7,073	127	.....
California:					
Center for Research and Development in Higher Education	HEW (OE)	718	718	.....	.....
Center for the Study of the Evaluation of Instructional Programs	HEW (OE)	572	572	.....	.....
Jet Propulsion Laboratory, total		173,360	162,880	10,480	.....
	NASA	(173,337)	(162,857)	(10,480)	.....
	NSF	(23)	(23)	.....	.....
Lawrence Laboratories, total		176,861	163,122	13,613	
	AEC	(176,691)	(162,970)	(13,613)	(
	NSF	(152)	(152)	.....	...
	HEW (NIH)	(18)	.....	.....	(18)
Stanford Center for Research and Development in Teaching	HEW (OE)	928	928	.....	.....
Stanford Linear Accelerator Center	AEC	29,046	24,191	4,855	.....
Colorado:					
National Center for Atmospheric Research	NSF	15,200	14,950	250	.....
Illinois:					
Argonne National Laboratory, total		105,387	84,927	19,176	1,284
	AEC	(105,220)	(84,760)	(19,176)	(1,284)
	NSF	(167)	(167)	.....	.....
National Accelerator Laboratory	AEC	94,219	9,149	85,070	.....
Iowa:					
Ames Laboratory	AEC	8,111	6,813	1,128	170
Maryland:					
Applied Physics Laboratory, total		62,908	62,908	.....	.....
	DOD (Navy)	(62,810)	(62,810)	.....	.....
	NSF	(98)	(98)	.....	.....
Center for the Study of Social Organization of Schools and the Learning Process	HEW (OE)	332	332	.....	.....
Massachusetts:					
Cambridge Electron Accelerator	AEC	2,886	2,350	536	.....
Lincoln Laboratory, total		57,116	57,116	.....	.....
	DOD (Air Force)	(55,106)	(55,106)	.....	.....
	DOD (Navy)	(1,641)	(1,641)	.....	.....
	NASA	(369)	(369)	.....	.....
New Jersey:					
Plasma Physics Laboratory	AEC	8,211	7,500	711	.....
Princeton-Pennsylvania Accelerator	AEC	2,010	2,000	10	.....

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by State, institution, and type of program, fiscal year 1971

[Dollars in thousands]

	Agency	Total Federal obligations	Research and development	R&D plant	Other science activities	Administered by—
. . .		$984,001	$794,874	$184,709	$4,418	
. . . . .	NSF	2,200	1,887	313	. . . . .	Association of Universities for Research in Astronomy, Inc.
. . . .	NSF	7,200	7,073	127	. . . . .	Association of Universities for Research in Astronomy, Inc.
n. . . .	HEW (OE)	718	718	. . . . .	. . . . .	University of California
ograms	HEW (OE)	572	572	. . . . .	. . . . .	University of California
. . .		173,360	162,880	10,480	. . . . .	California Institute of Technology
	NASA	(173,337)	(162,857)	(10,480)	. . . . .	
	NSF	(23)	(23)	. . . . .	. . . . .	
. . .		176,861	163,122	13,613	126	University of California
	AEC	(176,691)	(162,970)	(13,613)	(108)	
	NSF	(152)	(152)	. . . . .	. . . . .	
	HEW (NIH)	(18)	. . . . .	. . . . .	(18)	
aching	HEW (OE)	928	928	. . . . .	. . . . .	Stanford University
. . . .	AEC	29,046	24,191	4,855	. . . . .	Stanford University
. . .	NSF	15,200	14,950	250	. . . . .	University Corporation for Atmospheric Research
. . . .		105,387	84,927	19,176	1,284	University of Chicago and Argonne Universities Association
	AEC	(105,220)	(84,760)	(19,176)	(1,284)	
	NSF	(167)	(167)	. . . . .	. . . . .	
. . . .	AEC	94,219	9,149	85,070	. . . . .	University Research Association
. .	AEC	8,111	6,813	1,128	170	Iowa State University of Science and Technology
. . .		62,908	62,908	. . . . .	. . . . .	Johns Hopkins University
	DOD (Navy)	(62,810)	(62,810)	. . . . .	. . . . .	
	NSF	(98)	(98)	. . . . .	. . . . .	
nd the . . .	HEW (OE)	332	332	. . . . .	. . . . .	Johns Hopkins University
. . .	AEC	2,886	2,350	536	. . . . .	Harvard University
. . .		57,116	57,116	. . . . .	. . . . .	Massachusetts Institute of Technology
	DOD (Air Force)	(55,106)	(55,106)	. . . . .	. . . . .	
	DOD (Navy)	(1,641)	(1,641)	. . . . .	. . . . .	
	NASA	(369)	(369)	. . . . .	. . . . .	
. . .	AEC	8,211	7,500	711	. . . . .	Princeton University
. . .	AEC	2,010	2,000	10	. . . . .	Princeton University

Federal obligations to Federally Funded Research and Development Centers administer
Universities and Colleges, by State, institution, and type of program, fiscal year 1971 (c

[Dollars in thousands]

State and Institution	Agency	Total Federal obligations	Research and development	R&D plant	Oth a
New Mexico:					
Los Alamos Scientific Laboratory, total		130,716	102,522	28,137	
	AEC	(130,711)	(102,522)	(28,137)	(
	HEW (NIH)	(5)	.....	.....	(
New York:					
Brookhaven National Laboratory, total		65,614	48,594	16,305	
	AEC	(65,231)	(48,336)	(16,305)	(
	HEW (NIH)	(383)	(258)	.....	(
Oregon:					
Center for the Advanced Study of Educational Administration	HEW (OE)	485	485	.....	
Pennsylvania:					
Learning Research and Development Center	HEW (OE)	1,509	1,509	.....	
Ordnance Research Laboratory	OOO (Navy)	7,884	7,884	.....	
Puerto Rico:					
National Astronomy and Ionosphere Center[a]	NSF	5,800	2,000	3,800	
Tennessee:					
Oak Ridge Associated Universities, total		5,138	2,954	118	
	AEC	(4,285)	(2,225)	(118)	(
	HUO	(550)	(550)	.....	
	HEW (NIH)	(303)	(179)	.....	(
Texas:					
Research and Development Center in Teacher Education	HEW (OE)	671	671	.....	
Virginia:					
Center for Naval Analyses	OOO (Navy)	7,688	7,688	.....	
Space Radiation Effects Laboratory	NASA	1,371	1,291	80	
Washington:					
Applied Physics Laboratory	OOO (Navy)	1,957	1,957	.....	
West Virginia:					
National Radio Astronomy Observatory	NSF	6,400	6,400	.....	
Wisconsin:					
Center for Research and Development for Learning and Re-education	HEW (OE)	1,503	1,503	.....	

[a]Formerly known as Arecibo Observatory.
SOURCE: National Science Foundation (CASE).

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Federal obligations to Federally Funded Research and Development Centers administered by Universities and Colleges, by State, institution, and type of program, fiscal year 1971 (cont.)

[Dollars in thousands]

Oth a		Agency	Total Federal obligations	Research and development	R&D plant	Other science activities	Administered by–
	.....		130,716	102,522	28,137	57	University of California
(		AEC	(130,711)	(102,522)	(28,137)	(52)	
(		HEW (NIH)	(5)	.....	.....	(5)	
	.....		65,614	48,594	16,305	715	Associated Universities, Inc.
(		AEC	(65,231)	(48,336)	(16,305)	(590)	
(		HEW (NIH)	(383)	(258)	.....	(125)	
	dministration	HEW (OE)	485	485	.....	.....	University of Oregon
	.....	HEW (OE)	1,509	1,509	.....	.....	University of Pittsburgh
	.....	DOD (Navy)	7,884	7,884	.....	.....	Pennsylvania State University
	.....	NSF	5,800	2,000	3,800	.....	Cornell University
	.....		5,138	2,954	118	2,066	Oak Ridge Associated Universities
(		AEC	(4,285)	(2,225)	(118)	(1,942)	
		HUD	(550)	(550)	.....	.....	
(		HEW (NIH)	(303)	(179)	.....	(124)	
	ation	HEW (OE)	671	671	.....	.....	University of Texas
	.....	DOD (Navy)	7,688	7,688	.....	.....	University of Rochester
	.....	NASA	1,371	1,291	80	.....	College of William and Mary
	.....	DOD (Navy)	1,957	1,957	.....	.....	University of Washington
	.....	NSF	6,400	6,400	.....	.....	Associated Universities, Inc.
	g and Re-edu-	HEW (DE)	1,503	1,503	.....	.....	University of Wisconsin

Part II

FEDERAL SUPPORT TO SELECTED NONPROFIT INSTITUTIONS

ERIC

Section 1. FEDERAL SUPPORT TO INDEPENDENT RESEARCH IN

This section includes R&D funding data for 74 independent nonprofit institutions selected on the basis of their participation in government-sponsored research and development.[1] These research institutions which are administratively autonomous and separately incorporated organizations perform a significant role in the Nation's scientific and technological endeavors. Independent research institutions are the sole institutional group, with the exception of Federally Funded Research and Development Centers (FFRDC's), whose prime purpose is the conduct of research and development. In the past the supported work of these research institutions was largely defense-oriented, presently, however, an increasing number of such organizations are directing their R&D efforts towards the solution of critical societal problems.

Agency Distribution

In 1971 Federal R&D funds to the 74 nonprofit research institutions in this study amounted to $173 million. Although 14 agencies reported funds for these institutions in 1971, two agencies, DOD and HEW, administered nearly four-fifths of the total for this sector with shares of 47 percent and 32 percent, respectively.

Obligations by the Department of Defense totaled $81 million in 1971, an increase of 2 percent between 1970 and 1971.[2] Even though DOD continues to be the major agency sponsoring R&D projects at nonprofit research institutions, its share of support has decreased from a high of nearly 60 percent in 1969 to 47 percent in 1971. Within DOD, 1971 funds were obligated as follows:

	(Thousands of dollars)
Army	$36,176
Navy	13,051
Air Force	26,245
Defense agencies	5,337

Each of the three departments within DOD obligated a greater sum than any of the other agencies except HEW.

HEW obligations rose by $12 million to $56 million from 1970-71. This 26-percent increase resulted primarily from an increase in awards by the National Institutes of Health, the largest source of funds within HEW. Nonprofit research institutes received $49 million from NIH during 1971, 89 percent of the HEW total for this sector. Of that amount, nearly 50 percent represented obligations by the National Cancer Institute, one of the 10 NIH research institutes.

[1] See technical notes, page 42, for information on the definitions and concepts used in this part of the report.

[2] Yearly fluctuations in agency support levels reflect primarily actual changes in the amount of funds to individual institutes and, secondly, changes in the universe of research institutions meeting the criteria for inclusion in the survey.

IN PPORT TO INDEPENDENT RESEARCH INSTITUTIONS

Agency Distribution

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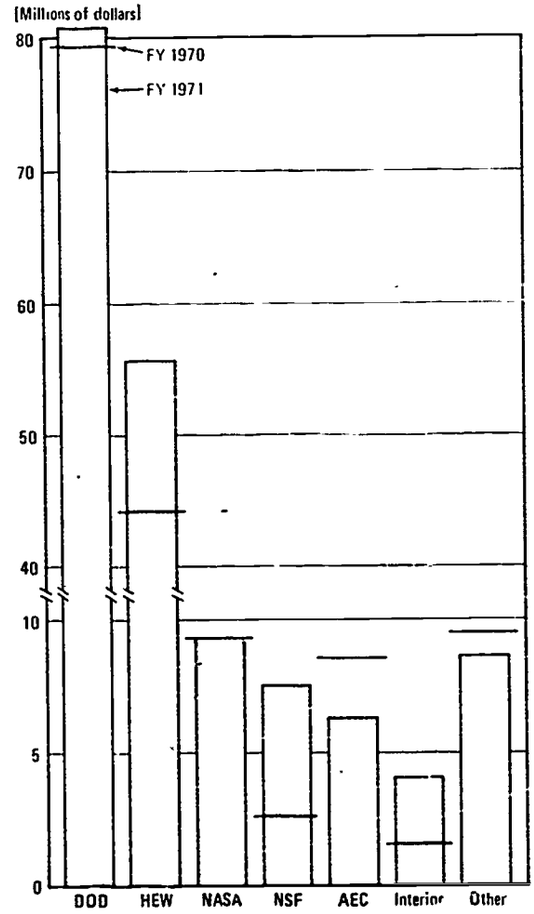
Federal R&D obligations to independent research institutions, by agency



SOURCE: National Science Foundation (CASE).

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTIT
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPARTMENT OF THE INTERIO
UNITED STATES, TOTAL	$172,766	$ 224	$ 6,303	$ 317	$ 80,809	$ 55,749	$ 4,160
NEW ENGLAND, TOTAL	8,474	0	159	0	206	7,491	0
CONNECTICUT, TOTAL	527	0	0	0	40	397	0
HASKINS LABORATORIES, INC	527	0	0	0	40	397	0
MAINE, TOTAL	2,044	0	88	0	0	1,870	0
JACKSON LABORATORY	2,044	0	88	0	0	1,870	0
MASSACHUSETTS, TOTAL	5,903	0	71	0	166	5,224	0
BLOOD RESEARCH INSTITUTE, INC	261	0	0	0	30	231	0
CHILDRENS CANCER RESEARCH FOUNDATION	2,761	0	0	0	101	2,638	0
MARINE BIOLOGICAL LABORATORY	243	0	11	0	0	70	0
RETINA FOUNDATION	632	0	0	0	35	597	0
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY	2,006	0	60	0	0	1,688	0
MIDDLE ATLANTIC, TOTAL	52,038	0	486	185	29,171	15,262	0
NEW JERSEY, TOTAL	1,157	0	35	0	30	836	0
INSTITUTE FOR ADVANCED STUDY	291	0	35	0	0	0	0
INSTITUTE FOR MEDICAL RESEARCH	866	0	0	0	30	836	0
NEW YORK, TOTAL	40,045	0	418	135	26,276	8,669	0
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH	346	0	0	0	0	150	0
COLD SPRING HARBOR LAB OF QUANTITATIVE BIOLOGY	657	0	9	0	0	548	0
CORNELL AERONAUTICAL LABORATORY	20,049	0	46	35	17,977	140	0
HUDSON INSTITUTE, INC	543	0	0	0	543	0	0
INSTITUTE FOR MEDICAL RESEARCH AND STUDIES	199	0	0	0	0	199	0
INSTITUTE FOR MUSCLE DISEASE, INC	304	0	0	0	0	304	0
NATIONAL BUREAU OF ECONOMIC RESEARCH	2,793	0	0	100	179	320	0
PUBLIC HEALTH RESEARCH INSTITUTE OF NEW YORK	1,628	0	0	0	0	1,465	0
RIVERSIDE RESEARCH INSTITUTE	4,549	0	0	0	4,403	146	0
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	5,406	0	363	0	0	5,000	0

STITU LIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

ART- T THE ERIOR	TOTAL	DEPART- MENT OF AGRICUL- TURE	ATOMIC ENERGY COMMIS- SION	DEPART- MENT OF COM- MERCE	DEPART- MENT OF DEFENSE	DEPART- MENT OF HEALTH, EDUCATION & WELFARE	DEPART- MENT OF THE INTERIOR	NATIONAL AERO- NAUTICS AND SPACE ADMINIS- TRATION	NATIONAL SCIENCE FOUND- ATION	OTHER*
160	$172,766	$ 224	$ 6,303	$ 317	$ 80,809	$ 55,749	$ 4,160	$ 9,317	$ 7,843	$ 8,044
0	8,474	0	159	0	206	7,491	0	50	556	12
0	527	0	0	0	40	397	0	0	90	0
0	527	0	0	0	40	397	0	0	90	0
0	2,044	0	88	0	0	1,870	0	0	86	0
0	2,044	0	88	0	0	1,870	0	0	86	0
0	5,903	0	71	0	166	5,224	0	50	380	12
0	261	0	0	0	30	231	0	0	0	0
0	2,761	0	0	0	101	2,638	0	0	22	0
0	243	0	11	0	0	70	0	0	150	12
0	632	0	0	0	35	597	0	0	0	0
0	2,006	0	60	0	0	1,688	0	50	208	0
0	52,038	0	486	185	29,171	15,262	0	2,032	2,975	1,927
0	1,157	0	35	0	30	836	0	0	256	0
0	291	0	35	0	0	0	0	0	256	0
0	866	0	0	0	30	836	0	0	0	0
0	40,045	0	418	135	26,276	8,669	0	1,851	2,089	607
0	346	0	0	0	0	150	0	0	79	117
0	657	0	9	0	0	548	0	0	100	0
0	20,049	C	46	35	17,977	140	0	1,851	0	0
0	543	0	0	0	543	0	0	0	0	0
0	199	0	0	0	0	199	0	0	0	0
0	304	0	0	0	0	304	0	0	0	0
0	2,793	0	0	100	179	320	0	0	1,7 ,	490
0	1,628	0	0	0	0	1,465	0	0	163	0
0	4,549	0	0	0	4,403	146	0	0	0	0
0	5,406	0	363	0	0	5,000	0	0	43	0

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTI
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPARTMENT OF THE INTERI
SYRACUSE UNIVERSITY RESEARCH CORP.	3, 174	0	0	0	3,174	0	0
TRUDEAU INSTITUTE, INC.	397	0	0	0	0	397	0
PENNSYLVANIA, TOTAL	10, 836	0	33	50	2,865	5,757	0
AMERICAN INSTITUTE FOR RESEARCH IN THE BEHAVIORAL SCIENCES	3, 005	0	0	0	1,904	26	0
FRANKLIN INSTITUTE	2,182	0	0	50	941	459	0
GERMANTOWN LABORATORIES, INC.	32	0	12	0	20	0	0
INSTITUTE FOR CANCER RESEARCH	3,980	0	21	0	0	3,635	0
WISTAR INSTITUTE	1,637	0	0	0	0	1,637	0
EAST NORTH CENTRAL, TOTAL	31, 711	0	3,243	26	14,099	3,417	4,160
ILLINOIS, TOTAL	11, 323	0	18	26	5,497	160	3,691
IIT RESEARCH INSTITUTE	7, 958	0	18	26	5,497	0	486
INSTITUTE OF GAS TECHNOLOGY	3,205	0	0	0	0	0	3,205
INTERSCIENCE RESEARCH INSTITUTE	160	0	0	0	0	160	0
MICHIGAN, TOTAL	704	0	71	0	0	633	0
ATOMIC POWER DEVELOPMENT ASSOCIATES, INC.	71	0	71	0	0	0	0
MICHIGAN CANCER FOUNDATION INC.	633	0	0	0	0	633	0
OHIO, TOTAL	19,531	0	3,154	0	8,602	2,471	469
BATTELLE MEMORIAL INSTITUTE	18,168	0	3,154	0	8,285	1,425	469
COX HEART INSTITUTE	773	0	0	0	266	507	0
FELS RESEARCH INSTITUTE	590	0	0	0	51	539	0
WISCONSIN, TOTAL	153	0	0	0	0	153	0
AMERICAN FOUNDATION FOR BIOLOGICAL RESEARCH	153	0	0	0	0	153	0

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AL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY - CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

PART NT THE TER I		TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPARTMENT OF THE INTERIOR	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	NATIONAL SCIENCE FOUNDATION	OTHER*
0		3, 174	0	0	0	3,174	0	0	0	0	0
0		397	0	0	0	0	397	0	0	0	0
0	...	10, 836	0	33	50	2,865	5,757	0	181	630	1,320
0	...	3, 005	0	0	0	1,904	26	0	0	28	1,047
0	...	2,182	0	0	50	941	459	0	181	278	273
0	...	32	0	12	0	20	0	0	0	0	0
0	...	3,980	0	21	0	0	3,635	0	0	324	0
0	...	1,637	0	0	0	0	1,637	0	0	0	0
60	...	31, 711	0	3,243	26	14,099	3,417	4,160	3,741	507	2,518
91	...	11, 323	0	18	26	5,497	160	3,691	1,585	257	89
86	...	7, 958	0	18	26	5,497	0	486	1,585	257	89
05	...	3,205	0	0	0	0	0	3,205	0	0	0
0	...	160	0	0	0	0	160	0	0	0	0
0	...	704	0	71	0	0	633	0	0	0	0
0	...	71	0	71	0	0	0	0	0	0	0
0	C..	633	0	0	0	0	633	0	0	0	0
69	...	19,531	0	3,154	0	8,602	2,471	469	2,156	250	2,429
69	...	18,168	0	3,154	0	8,285	1,425	469	2,156	250	2,429
0	...	773	0	0	0	266	507	0	0	0	0
0	...	590	0	0	0	51	539	0	0	0	0
0	...	153	0	0	0	0	153	0	0	0	0
0	...	153	0	0	0	0	153	0	0	0	0

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTIT
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPARTMENT OF THE INTERIO
WEST NORTH CENTRAL, TOTAL.....	9,307	91	0	0	1,011	7,362	0
MINNESOTA, TOTAL.....	6,667	80	0	0	127	5,864	0
MAYO FOUNDATION.....	6,030	0	0	0	127	5,799	0
MINNEAPOLIS MEDICAL RESEARCH FOUNDATION.....	418	0	0	0	0	0	0
NORTH STAR RESEARCH AND DEVELOPMENT INSTITUTE.....	219	80	0	0	0	65	0
MISSOURI, TOTAL.....	2,640	11	0	0	884	1,498	0
CANCER RESEARCH CENTER.....	232	0	0	0	0	232	0
[illegible] TITUTE FOR COMMUNITY [illegible]DIES.....	386	0	0	0	0	386	0
[illegible] WEST RESEARCH INSTITUTE.....	2,022	11	0	0	884	880	0
SOUTH ATLANTIC, TOTAL.....	10,982	131	15	10	1,319	5,140	0
DISTRICT OF COL, TOTAL.....	5,116	0	15	0	580	1,205	0
ARCTIC INSTITUTE OF NORTH AMERICA.....	432	0	15	0	273	71	0
BROOKINGS INSTITUTION.....	414	0	0	0	0	67	0
BUREAU OF SOCIAL SCIENCE RESEARCH.....	1,127	0	0	0	0	310	0
CARNEGIE INSTITUTION OF WASHINGTON.....	444	0	0	0	18	0	0
CENTER FOR APPLIED LINGUISTICS..	85	0	0	0	32	5	0
GORGAS MEMORIAL INSTITUTE OF TROPICAL AND PREVENTIVE MEDICINE.....	555	0	0	0	121	434	0
NATIONAL PLANNING ASSOCIATION...	617	0	0	0	0	243	0
RESEARCH FOUNDATION OF CHILDRENS HOSPITAL OF WASHINGTON, DC.....	136	0	0	0	136	0	0
THE URBAN INSTITUTE.....	1,306	0	0	0	0	75	0

LIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPARTMENT OF THE INTERIOR	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	NATIONAL SCIENCE FOUNDATION	OTHER
9,307	91	0	0	1,011	7,362	0	324	59	460
6,667	80	0	0	127	5,864	0	119	59	418
6,030	0	0	0	127	5,799	0	45	59	0
418	0	0	0	0	0	0	0	0	418
219	80	0	0	0	65	0	74	0	0
2,640	11	0	0	884	1,498	0	205	0	42
232	0	0	0	0	232	0	0	0	0
386	0	0	0	0	386	0	0	0	0
2,022	11	0	0	884	880	0	205	0	42
10,982	131	15	10	1,319	5,140	0	68[illegible]	1,258	2,423
5,116	0	15	0	580	1,205	0	178	1,258	1,880
432	0	15	0	273	71	0	0	73	0
414	0	0	0	0	67	0	0	136	211
1,127	0	0	0	0	310	0	0	65	752
444	0	0	0	18	0	0	178	248	0
85	0	0	0	32	5	0	0	48	0
555	0	0	0	121	434	0	0	0	0
617	0	0	0	0	243	0	0	244	130
136	0	0	0	136	0	0	0	0	0
1,306	0	0	0	0	75	0	0	444	787

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPART-MENT OF AGRICUL-TURE	ATOMIC ENERGY COMMIS-SION	DEPART-MENT OF COM-MERCE	DEPART-MENT OF DEFENSE	DEPART-MENT OF HEALTH, EDUCATION & WELFARE	DEPA MENT OF T INTE
MARYLAND, TOTAL	1,921	0	0	0	38	1,883	0
EYE RESEARCH FOUNDATION OF BETHESDA	212	0	0	0	38	174	0
FRIENDS OF PSYCHIATRIC RESEARCH	689	0	0	0	0	689	0
INSTITUTE FOR BEHAVIORAL RESEARCH	649	0	0	0	0	649	0
NATIONAL BIOMEDICAL RESEARCH FOUNDATION	371	0	0	0	0	371	0
NORTH CAROLINA, TOTAL	3,945	131	0	10	701	2,052	0
RESEARCH TRIANGLE INSTITUTE	3,945	131	0	10	701	2,052	0
EAST SOUTH CENTRAL, TOTAL	4,222	0	0	0	1,101	3,053	0
ALABAMA, TOTAL	4,222	0	0	0	1,101	3,053	0
SOUTHERN RESEARCH INSTITUTE	4,222	0	0	0	1,101	3,053	0
WEST SOUTH CENTRAL, TOTAL	8,464	2	111	0	4,976	2,781	0
LOUISIANA, TOTAL	228	0	0	0	0	175	0
GULF SOUTH RESEARCH INSTITUTE	228	0	0	0	0	175	0
OKLAHOMA, TOTAL	1,307	0	0	0	153	1,154	0
OKLAHOMA MEDICAL RESEARCH FOUNDATION	1,307	0	0	0	153	1,154	0
TEXAS, TOTAL	6,929	2	111	0	4,823	1,452	0
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION	1,359	0	0	0	0	1,341	0
SOUTHWEST RESEARCH INSTITUTE	5,570	2	111	0	4,823	111	0
MOUNTAIN, TOTAL	3,042	0	1,837	0	566	64	0
ARIZONA, TOTAL	522	0	0	0	0	0	0
LOWELL OBSERVATORY	522	0	0	0	0	0	0
NEW MEXICO, TOTAL	2,520	0	1,837	0	566	64	0
LOVELACE FOUNDATION FOR MEDICAL EDUCATION	2,520	0	1,837	0	566	64	0

OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPARTMENT OF THE INTERIOR	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	NATIONAL SCIENCE FOUNDATION	OTHER*
1,921	0	0	0	38	1,883	0	0	0	0
212	0	0	0	38	174	0	0	0	0
689	0	0	0	0	689	0	0	0	0
649	0	0	0	0	649	0	0	0	0
371	0	0	0	0	371	0	0	0	0
3,945	131	0	10	701	2,052	0	508	0	543
3,945	131	0	10	701	2,052	0	508	0	543
4,222	0	0	0	1,101	3,053	0	68	0	0
4,222	0	0	0	1,101	3,053	0	68	0	0
4,222	0	0	0	1,101	3,053	0	68	0	0
8,464	2	111	0	4,976	2,781	0	322	71	201
228	0	0	0	0	175	0	0	53	0
228	0	0	0	0	175	0	0	53	0
1,307	0	0	0	153	1,154	0	0	0	0
1,307	0	0	0	153	1,154	0	0	0	0
6,929	2	111	0	4,823	1,452	0	322	18	201
1,359	0	0	0	0	1,341	0	0	18	0
5,570	2	111	0	4,823	111	0	322	0	201
3,042	0	1,837	0	566	64	0	503	72	0
522	0	0	0	0	0	0	450	72	0
522	0	0	0	0	0	0	450	72	0
2,520	0	1,837	0	566	64	0	53	0	0
2,520	0	1,837	0	566	64	0	53	0	0

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION & WELFARE	DEPA MENT OF T INTE
PACIFIC, TOTAL	44, 526	0	452	96	28,360	11, 179	
CALIFORNIA, TOTAL	40, 151	0	132	96	28,265	7, 219	
CENTER FOR ADVANCED STUDY IN THE BEHAVIORAL SCIENCES	1,618	0	0	0	0	0	
INSTITUTE OF MEDICAL SCIENCES	1,776	0	0	0	128	1,588	
KAISER FOUNDATION RESEARCH INSTITUTE	339	0	0	0	339	0	
PALO ALTO MEDICAL RESEARCH FOUNDATION	292	0	0	0	0	292	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	1,426	0	0	0	0	1,221	
STANFORD RESEARCH INSTITUTE	34, 632	0	132	96	27,798	4, 050	
WESTERN BEHAVIORAL SCIENCES INSTITUTE	68	0	0	0	0	68	
OREGON, TOTAL	3,481	0	0	0	95	3,386	
MEDICAL RESEARCH FOUNDATION OF OREGON	2,669	0	0	0	0	2,669	
OREGON RESEARCH INSTITUTE	812	0	0	0	95	717	
WASHINGTON, TOTAL	894	0	320	0	0	574	
HANFORD ENVIRONMENTAL HEALTH FOUNDATION	198	0	198	0	0	0	
PACIFIC NORTHWEST RESEARCH FOUNDATION	390	0	122	0	0	268	
VIRGINIA MASON FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	306	0	0	0	0	306	

*Includes AID, EPA, HUD, LABOR, OEO, AND DOT.

SOURCE: NATIONAL SCIENCE FOUNDATION (CASE).

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EDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS
BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY- CON.
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

DEPA MENT OF TE INTE	TE,	TOTAL	DEPART-MENT OF AGRICUL-TURE	ATOMIC ENERGY COMMIS-SION	DEPART-MENT OF COM-MERCE	DEPART-MENT OF DEFENSE	DEPART-MENT OF HEALTH, EDUCATION & WELFARE	DEPART-MENT OF THE INTERIOR	NATIONAL AERO-NAUTICS AND SPACE ADMINIS-TRATION	NATIONAL SCIENCE FOUND-ATION	OTHER*
	.....	44, 526	0	452	96	28,360	11, 179	0	1,591	2,345	503
	.....	40, 151	0	132	96	28,265	7, 219	0	1,591	2,345	503
	UDY IN										
	ES .	1,618	0	0	0	0	0	0	0	1,618	0
	IENCES...	1,776	0	0	0	128	1,588	0	60	0	0
	ARCH										
	.....	339	0	0	0	339	0	0	0	0	0
	ARCH										
	.....	292	0	0	0	0	292	0	0	0	0
	LOGICAL										
	.....	1,426	0	0	0	0	1,221	0	60	145	0
	TUTE.....	34, 632	0	132	96	27,798	4, 050	0	1,471	582	503
	ENCES										
	.....	68	0	0	0	0	68	0	0	0	0
	.....	3,481	0	0	0	95	3,386	0	0	0	0
	ATION OF										
	.....	2,669	0	0	0	0	2,669	0	0	0	0
	UTE.....	812	0	0	0	95	717	0	0	0	0
	.....	894	0	320	0	0	574	0	0	0	0
	.....	198	0	198	0	0	0	0	0	0	0
	ARCH										
	.....	390	0	122	0	0	268	0	0	0	0
	ION FOR										
	RESEARCH.	306	0	0	0	0	306	0	0	0	0

BOR, OEO, AND DOT.

FOUNDATION (CASE).

Of the remaining 12 agencies (each of which obligated less than $10 million to the nonprofit sector), only three - NSF, AEC, and Interior - evidenced a significant change in nonprofit support levels between 1970 and 1971.

NSF funds to research institutions in this survey more than tripled in 1971 from $2.5 million to $8.0 million. Most of this increase was directed to two organizations, the National Bureau of Economic Research and the Center for Advanced Study in the Behavorial Sciences. Awards by NSF to the National Bureau of Economic Research in 1971 totaled $1.7 million, primarily funding the establishment of a research center for the development of computer technology in economic and management science. The Center for Advanced Study in the Behavioral Sciences was awarded $1.6 million under NSF's Research Applied to National Needs (RANN) program for the conduct of studies on the social consequences of technology.

The Department of the Interior sharply increased its support to research institutes included in this study from $1.6 million in 1970 to $4.2 million in 1971, reflecting the current expansion of coal gasification programs. Over 75 percent of Interior's 1971 funds were directed to the Institute of Gas Technology.

The Atomic Energy Commission was the only major supporting agency other than DOD to show a decline from 1970-71. AEC funds to nonprofit research organizations decreased by 26 percent to $6.3 million, mainly as a result of reduced support to the Battelle Memorial Institute and the Atomic Power Development Associates, Inc.

A total of $407,000 was obligated in 1971 to six research institutes for R&D plant. Of that amount, $271,000 represented AEC funds and $136,000 NSF funds.

FEDERAL OBLIGATIONS FOR R&D PLANT TO INDEPENDENT RESEARCH INSTITUTIONS BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	ATOMIC ENERGY COMMISSION	NATIONAL SCIENCE FOUNDATION
UNITED STATES, TOTAL	$ 407	$ 271	$ 136
NEW ENGLAND, TOTAL	136	0	136
CONNECTICUT, TOTAL	136	0	136
HASKINS LABORATORIES, INC.	136	0	136
EAST NORTH CENTRAL, TOTAL	54	54	0
MICHIGAN, TOTAL	6	6	0
ATOMIC POWER DEVELOPMENT ASSOCIATES, INC.	6	6	0
OHIO, TOTAL	52	52	0
BATTELLE MEMORIAL INSTITUTE	52	52	0
WEST SOUTH CENTRAL, TOTAL	5	5	0
TEXAS, TOTAL	5	5	0
SOUTHWEST RESEARCH INSTITUTE	5	5	0
MOUNTAIN, TOTAL	190	190	0
NEW MEXICO, TOTAL	190	190	0
LOVELACE FOUNDATION FOR MEDICAL EDUCATION	190	190	0
PACIFIC, TOTAL	14	14	0
WASHINGTON, TOTAL	14	14	0
HANFORD ENVIRONMENTAL HEALTH FOUNDATION	14	14	0

Institutional Distribution

During 1971 the first 10 recipients of Federal R&D support were awarded $111 million, or 64 percent of total funding, essentially the same proportion as in 1970. Eight of the 10 highest-ranking institutes in 1971 were among the 10 leaders in each of the last three years. Furthermore, the same three - Stanford Research Institute (SRI), Cornell Aeronautical Laboratory (CAL), and the Battelle Memorial Institute - have led since 1969 and in the same rank order. These three institutions, each of which receives the major proportion of its support from DOD, accounted for 42 percent of the 1971 nonprofit total.

SRI registered the largest absolute gain in 1971. The $3 million increase is attributable to a 12-percent DOD funding increase. DOD also increased its support to second-ranked CAL. However, overall Federal support to CAL fell by 2

percent due t
funds which
DOD increase.

In 1971 th
experienced b
Institute of
receive over
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tions to these
million and $1

**Federal obl
research ins
amounts, F**

Institution	Perc chan 1970
Stanford Research Institute	11
Cornell Aeronautical Laboratory	-2
Battelle Memorial Institute	1
IIT Research Institute	4
Mayo Foundation	60
Southwest Research Institute	4
Sloan Kettering Institute for Cancer Research	9
Riverside Research Institute	36
Southern Research Institute	3
Institute for Cancer Research	47

SOURCE: National

FEDERAL OBLIGATIONS FOR R&D PLANT TO INDEPENDENT RESEARCH INSTITUTIONS BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY
FISCAL YEAR 1971

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	ATOMIC ENERGY COMMISSION	NATIONAL SCIENCE FOUNDATION
UNITED STATES, TOTAL	$ 407	$ 271	$ 136
NEW ENGLAND, TOTAL	136	0	136
CONNECTICUT, TOTAL	136	0	136
HASKINS LABORATORIES, INC	136	0	136
EAST NORTH CENTRAL, TOTAL	59	59	0
MICHIGAN, TOTAL	6	6	0
ATOMIC POWER DEVELOPMENT ASSOCIATES, INC	6	6	0
OHIO, TOTAL	53	53	0
BATTELLE MEMORIAL INSTITUTE	53	53	0
WEST SOUTH CENTRAL, TOTAL	5	5	0
TEXAS, TOTAL	5	5	0
SOUTHWEST RESEARCH INSTITUTE	5	5	0
MOUNTAIN, TOTAL	190	190	0
NEW MEXICO, TOTAL	190	190	0
LOVELACE FOUNDATION FOR MEDICAL EDUCATION	190	190	0
PACIFIC, TOTAL	19	19	0
WASHINGTON, TOTAL	19	19	0
HANFORD ENVIRONMENTAL HEALTH FOUNDATION	19	19	0

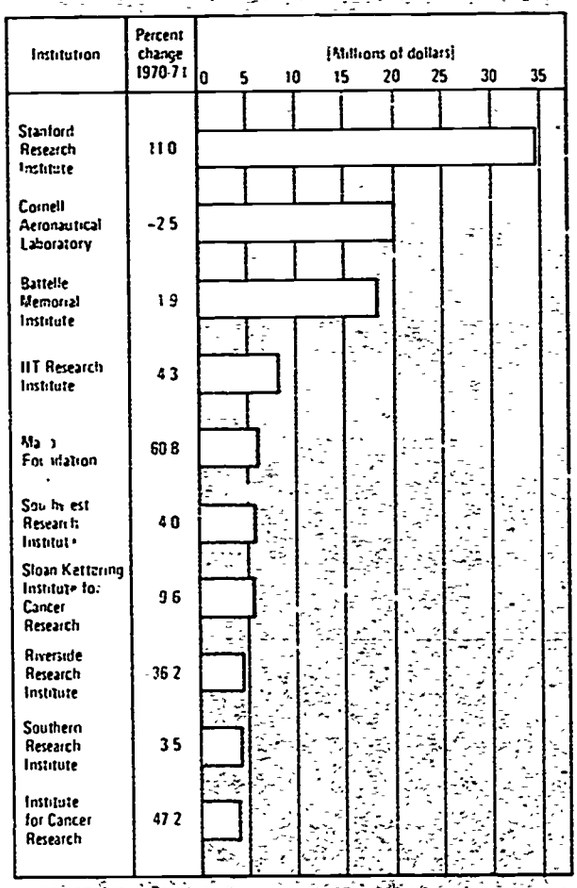
Institutional Distribution

During 1971 the first 10 recipients of Federal R&D support were awarded $111 million, or 64 percent of total funding, essentially the same proportion as in 1970. Eight of the 10 highest-ranking institutes in 1971 were among the 10 leaders in each of the last three years. Furthermore, the same three - Stanford Research Institute (SRI), Cornell Aeronautical Laboratory (CAL), and the Battelle Memorial Institute - have led since 1969 and in the same rank order. These three institutions, each of which receives the major proportion of its support from DOD, accounted for 42 percent of the 1971 nonprofit total.

SRI registered the largest absolute gain in 1971. The $3 million increase is attributable to a 12-percent DOD funding increase. DOD also increased its support to second-ranked CAL. However, overall Federal support to CAL fell by 2 percent due to a substantial reduction in DOT funds which was not offset by the $2 million DOD increase.

In 1971 the highest relative increases were experienced by the Mayo Foundation and the Institute of Cancer Research, both of which receive over 90 percent of their funding from HEW. Between 1970 and 1971 HEW obligations to these two institutions increased by $2 million and $1 million, respectively.

Federal obligations to the 10 independent research institutions receiving the largest amounts, FY 1971



SOURCE: National Science Foundation (CASE).

Section 2. FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CEN

Federally Funded Research and Development Centers (FFRDC's) administered by nonprofit institutions constitute an important research resource for the Federal Government. Since 1968 Federal agencies have awarded a cumulative total of $970 million to these organizations for the performance of research and development. Between 1968 and 1970 Federal R&D support to nonprofit-managed FFRDC's increased at an average annual rate of 8 percent. However, in 1971 support to these centers fell by nearly 21 percent to a level of $216 million.

Although each of the major supporting agencies contributed to the 1971 decline of $57 million, three-fourths of the decrease can be attributed to a $43 million reduction in AEC funds to the Pacific Northwest Laboratory (PNL). The lower support level for PNL in 1971 resulted from AEC's transfer of management responsibility for R&D activities on the liquid metal fast breeder reactor (LMFBR) from PNL to the Westinghouse Corporation.

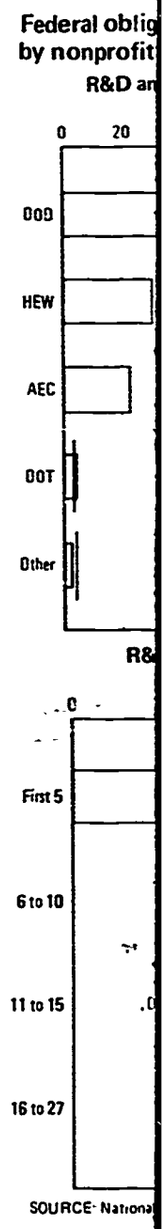
Agency Distribution

During 1971 the 27 FFRDC's administered by the nonprofit sector received funds for R&D activities from 11 Federal agencies. Three agencies - DOD, HEW, and AEC - were the primary sponsors, together allocating $211 million to these research centers, over 98 percent of the 1971 total. Of the three agencies, DOD predominated, accounting for 73 percent of the funds obligated to nonprofit FFRDC's in 1971.

DOD obligations to FFRDC's totaled $158 million in 1971, over 2½ times as much as all other agencies combined. Nearly three-fourths of the 1971 DOD total represented obligations by the Department of Air Force, primarily to three centers - Aerospace Corporation, $71 million; MITRE Corporation, $33 million; and the RAND Corporation, $11 million.

The next largest supporter of nonprofit-associated FFRDC's was HEW which in 1971 obligated a total of $31 million. Of that amount, $29 million, or 96 percent, was awarded by the Office of Education to regional educational laboratories and educational policy centers, now the primary recipients of OE's R&D support. OE's educational laboratories, which numbered 15 in 1971, were established in 1965 through regional initiative following expansion of the Cooperative Research Act, the major source of funds for OE-sponsored research.

While OE's R&D funds to these laboratories increased by 11 percent from 1970-71, R&D plant dropped from $11 million in 1970 to less than $500,000 in 1971 as the 1966 and 1967 Congressional appropriations for educational research facilities were exhausted.



UNDED RESEARCH AND DEVELOPMENT CENTERS

Agency Distribution

During 1971 the 27 FFRDC's administered by the nonprofit sector received funds for R&D activities from 11 Federal agencies. Three agencies - DOD, HEW, and AEC - were the primary sponsors, together allocating $211 million to these research centers, over 98 percent of the 1971 total. Of the three agencies, DOD predominated, accounting for 73 percent of the funds obligated to nonprofit FFRDC's in 1971.

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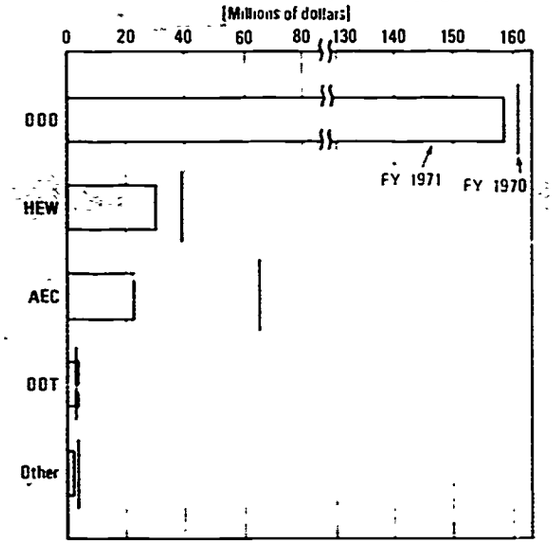
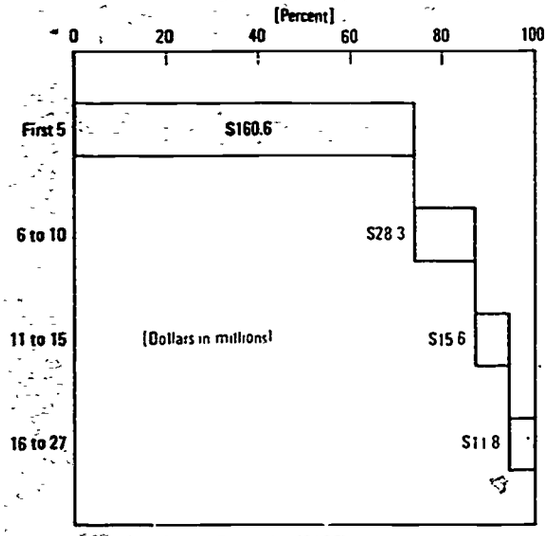
While OE's R&D funds to these laboratories increased by 11 percent from 1970-71, R&D plant dropped from $11 million in 1970 to less than $500,000 in 1971 as the 1966 and 1967 Congressional appropriations for educational research facilities were exhausted.

Federal obligations to FFRDC's administered by nonprofit institutions

R&D and R&D plant obligations, by agency



R&D obligations among ranked groups



SOURCE: National Science Foundation (CASE).

Funding by the Atomic Energy Commission amounted to $23 million for 1971 and supported R&D activities at the Pacific Northwest Laboratory and the Atomic Bomb Casualty Commission. The aforementioned $43 million reduction in AEC funds to PNL brought AEC's share of the nonprofit FFRDC total down from 24 percent in 1970 to 11 percent in 1971.

R&D funds from the eight remaining agencies providing support to FFRDC's managed by nonprofit organizations totaled just over $5 million, of which $3 million was awarded by DOT, primarily to the MITRE Corporation.

Institutional Distribution

Of the 27 nonprofit-administered FFRDC's receiving R&D support in 1971, five - Aerospace Corporation, MITRE Corporation, RAND Corporation, Pacific Northwest Laboratory, and the Institute for Defense Anaylses, each with Federal R&D funds in excess of $10 million - accounted for $161 million, 74 percent of the 1971 total for the nonprofit FFRDC sector. Nearly 90 percent of DOD's 1971 research center support was allocated to the four DOD-sponsored organiza-

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Federal obligations for research and development and R&D plant to Federally Funded Research and Development Centers administered by nonprofit institutions, fiscal years 1968-71

[Dollars in thousands]

State and institution	Total Federal obligations				Research and development				R	
	1968	1969	1970	1971	1968	1969	1970	1971	1968	196
Total	$234,093	$246,728	$273,269	$216,225	$229,308	$235,885	$256,491	$213,997	$4,785	$10,8
Arkansas:										
South Central Regional Educational Laboratory Corporation[a]	711	320	.....	.....	700	320	.....	.....	11	....
California:										
Aerospace Corporation	73,626	76,338	72,953	71,405	73,537	76,338	72,953	71,405	89	....
RAND Corporation	20,407	20,438	21,167	21,156	20,295	20,438	21,167	21,156	112	....
Center for Educational Policy Research[b]	500	500	448	444	500	500	448	444	.....	....
The Far West Laboratory for Educational Research and Development	1,308	6,536	2,373	3,717	1,250	1,685	2,373	3,266	58	4,8
Southwest Regional Laboratory for Educational Research and Development	2,235	2,487	7,310	3,630	2,235	2,487	3,024	3,630	.....	....
Colorado:										
Rocky Mountain Regional Educational Laboratory[a]	514	346	.....	.....	514	346	.....	.....	.....	....
District of Columbia:										
Atomic Bomb Casualty Commission	3,822	3,925	4,250	4,617	3,685	3,788	4,155	4,572	137	
Central Atlantic Regional Educational Laboratory[a]	796	390	.....	.....	780	390	.....	.....	16	....
Georgia:										
Southeastern Educational Laboratory	719	670	720	468	670	670	720	468	49	....
Illinois:										
Cooperative Educational Research Laboratory, Inc.[a]	622	241	.....	.....	600	241	.....	.....	22	....
Maryland:										
Electromagnetic Compatability Analysis Center[c]	5,237	4,642	5,210	5,903	5,237	4,642	5,210	5,903	.....	....
Massachusetts:										
MITRE Corporation	36,521	32,702	40,856	35,974	36,521	32,702	40,856	35,974	.....	....
Educational Development Center, Inc.	1,041	1,390	1,509	625	1,041	1,390	1,509	625	.....	....

Institutional Distribution

Of the 27 nonprofit-administered FFRDC's receiving R&D support in 1971, five - Aerospace Corporation, MITRE Corporation, RAND Corporation, Pacific Northwest Laboratory, and the Institute for Defense Anaylses, each with Federal R&D funds in excess of $10 million - accounted for $161 million, 74 percent of the 1971 total for the nonprofit FFRDC sector. Nearly 90 percent of DOD's 1971 research center support was allocated to the four DOD-sponsored organizations within the leading five group. DOD was also the primary influence in the next ranked group of FFRDC's, obligating over 50 percent of the $28 million total for the five centers in this group.

Four OE-sponsored educational laboratories ranked within the third group of leading centers with R&D totals ranging from $3.7 million for the Far West Laboratory for Educational Research and Development to $2.5 million for the Northwest Regional Educational Laboratory.

Federal obligations for research and development and R&D plant to Federally Funded Research and Development Centers administered by nonprofit institutions, fiscal years 1968-71

[Dollars in thousands]

	Total Federal obligations				Research and development				R&D plant				Sponsoring agency
	1968	1969	1970	1971	1968	1969	1970	1971	1968	1969	1970	1971	
	$234,093	$246,728	$273,269	$216,225	$229,308	$235,885	$256,491	$213,997	$4,785	$10,843	$16,778	$ 2,228	
	711	320	.....	.....	700	320	.....	.....	11	.....	.....	.....	HEW (OE)
	73,626	76,338	72,953	71,405	73,537	76,338	72,953	71,405	89	.....	.....	.....	DOD (Air Force)
	20,407	20,438	21,167	21,156	20,295	20,438	21,167	21,156	112	.....	.....	.....	DOD (Air Force)
	500	500	448	444	500	500	448	444	.....	.....	.....	.....	HEW (OE)
	1,308	6,536	2,373	3,717	1,250	1,685	2,373	3,266	58	4,851	.....	451	HEW (OE)
	2,235	2,487	7,310	3,630	2,235	2,487	3,024	3,630	.....	.....	4,286	.....	HEW (OE)
	514	346	.....	.....	514	346	.....	.....	.....	.....	.....	.....	HEW (OE)
	3,822	3,925	4,250	4,617	3,685	3,788	4,155	4,572	137	137	95	45	AEC
	796	390	.....	.....	780	390	.....	.....	16	.....	.....	.....	HEW (OE)
	719	670	720	468	670	670	720	468	49	.....	.....	.....	HEW (OE)
	622	241	.....	.....	600	241	.....	.....	22	.....	.....	.....	HEW (OE)
	5,237	4,642	5,210	5,903	5,237	4,642	5,210	5,903	.....	.....	.....	.....	DOD (Air Force)
	36,521	32,702	40,856	35,974	36,521	32,702	40,856	35,974	.....	.....	.....	.....	DOD (Air Force)
	1,041	1,390	1,509	625	1,041	1,390	1,509	625	.....	.....	.....	.....	HEW (OE)

Federal ob. _ ons for research and development and R&D nlant to Federally Funded Research and Development Centers, administered by nonprofit insti* ıtions, fiscal years 1968-71 (cont.)

[Dollars in thousands]

State and institution	Total Federal obligations				Research and development				
	1968	1969	1970	1971	1968	1969	1970	1971	1968
Michigan:									
Michigan-Ohio Regional Educational Laboratory[a]	853	385	.....	.....	800	385	.....	.....	53
Minnesota:									
Upper Midwest Regional Educational Laboratory, Inc.	678	800	958	733	678	800	958	733	.....
Missouri:									
Central Midwestern Regional Educational Laboratory	1,370	1,746	6,138	4,462	1,350	1,746	3,233	4,462	20
Mid-Continent Regional Educational Laboratory	730	938	957	869	730	938	957	869	.....
New Mexico:									
Southwestern Cooperative Educational Laboratory	791	862	956	1,097	752	862	956	1,097	39
New York:									
Center for Urban Education	2,675	2,646	2,600	2,000	2,675	2,646	2,600	2,000	.....
Policy Research Center[d]	499	587	689	822	499	587	689	822	.....
Eastern Regional Institute for Education	947	999	844	408	943	999	844	408	4
North Carolina:									
National Laboratory for Higher Education[e]	698	820	1,152	1,170	694	820	1,152	1,170	4
Oregon:									
Northwest Regional Educational Laboratory	1,566	1,763	1 841	2,472	1,544	1,763	1,841	2,472	22
Pennsylvania:									
Research for Better Schools, Inc.	2,094	2,757	3,397	3,526	2,089	2,700	3,397	3,526	5
Texas:									
Southwest Educational Development Laboratory	1,452	1,843	6,363	2,160	1,400	1,710	2,263	2,160	52
Virginia:									
Institute for Defense Analyses	11,941	12,388	11,859	12,660	11,941	12,388	11,859	12,660	.....
Research Aanlysis Corporation	10,308	9,915	9,524	9,278	10,308	9,915	9,524	9,278	.....
Human Resources Research Organization[f]	.....	.....	4,291	4,007	.....	.....	4,291	4,007	.....
Analytical Services, Inc.	1,495	1,180	1,659	2,256	1,495	1,180	1,659	2,256	.....
Washington:									
Pacific Northwest Laboratory	46,943	55,258	62,119	19,391	42,851	49,613	56,727	17,659	4,092
West Virginia:									
Appalachia Eoucational Laboratory	994	916	1,126	975	994	896	1,126	975	.....

[a]Discontinued in FY 1970
[b]Administered by Stanford Research Institute.
[c]Administered by Illinois Institute of Technology Research Institute.
[d]Administered by Syracuse University Research Corporation.
[e]Formerly known as Regional Educational Laborat
[f]Was "university administered" prior to fiscal ye years.
SOURCE National Science Foundation (CASE)

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Federal obligations for research and development and R&D plant to Federally Funded Research and Development Centers, administered by nonprofit institutions, fiscal years 1968-71 (cont.)

[Dollars in thousands]

	Total Federal obligations				Research and development				R&D plant				Sponsoring agency
	1968	1969	1970	1971	1968	1969	1970	1971	1968	1969	1970	1971	
ry[a]	853	385	.....	.....	800	385	.....	.....	53	.....	.....	.....	HEW (OE)
ory, .	678	800	958	733	678	800	958	733	.....	.....	.....	.....	HEW (OE)
bo-	1,370	1,746	6,138	4,462	1,350	1,746	3,233	4,462	20	.....	2,905	.....	HEW (OE)
ory	730	938	957	869	730	938	957	869	.....	.....	.....	.....	HEW (OE)
ory	791	862	956	1,097	752	862	956	1,097	39	.....	.....	.....	HEW (OE)
.	2,675	2,646	2,600	2,000	2,675	2,646	2,600	2,000	.....	.....	.....	.....	HEW (OE)
	499	587	689	822	499	587	689	822	.....	.....	.....	.....	HEW (OE)
	947	999	844	408	943	999	844	408	4	.....	.....	.....	HEW (OE)
	698	820	1,152	1,170	694	820	1,152	1,170	4	.....	.....	.....	HEW (OE)
	1,566	1,763	1,841	2,472	1,544	1,763	1,841	2,472	22	.....	.....	.....	HEW (OE)
	2,094	2,757	3,397	3,526	2,089	2,700	3,397	3,526	5	57	.....	.....	HEW (OE)
ory	1,452	1,843	6,363	2,160	1,400	1,710	2,263	2,160	52	133	4,100	.....	HEW (OE)
.	11,941	12,388	11,859	12,660	11,941	12,388	11,859	12,660	.....	.....	.....	.....	DOD (Office of the Secretary)
. .	10,308	9,915	9,524	9,278	10,308	9,915	9,524	9,278	.....	.....	.....	.....	DOD (Army)
	.....	.....	4,291	4,007	.....	.....	4,291	4,007	.....	.....	.....	.....	DOD (Army)
.	1,495	1,180	1,659	2,256	1,495	1,180	1,659	2,256	.....	.....	.....	.....	DOD (Air Force)
.	46,943	55,258	62,119	19,391	42,851	49,613	56,727	17,659	4,092	5,645	5,392	1,732	AEC
	994	916	1,126	975	994	896	1,126	975	.....	20	.....	.....	HEW (OE)

[e]Formerly known as Regional Educational Laboratory for the Carolinas and Virginia.
[f]Was "university administered" prior to fiscal year 1970. See part II, section 2 for data for those years.
SOURCE National Science Foundation (CASE).

APPENDIXES

A. Technical Notes
B. Statistical Tables

ERIC

APPENDIX A

Technical Notes

CONCEPTS AND LIMITATIONS

The dollar totals in this report represent obligations to academic institutions, selected other nonprofit organizations, and associated Federally Funded Research and Development Centers (FFRDC's), incurred by 14 Federal agencies. Data on academic institutions and their associated FFRDC's are extracted from the CASE data collection system established by the Committee on Academic Science and Engineering of the Federal Council for Science and Technology. Data on other nonprofit organizations were collected separately.

The present data collection system used for CASE reporting represents an amalgamation of two distinct systems used in previous years. Refinements made in reporting concepts and categories should be noted when category totals for 1971 are compared with those for previous years. To the extent that "general support for science" funds are ultimately directed into "research and development" or any of the other specific academic science areas, category totals as published in previous reports in this series are not comparable with those published in this report. In trend tables and charts in this report, however, adjustments were made to data for prior years in order to make the data comparable.

Note also that the field of science distribution of some $62 million in R&D obligations and $28 million in fellowship and training obligations from NIH was estimated on the basis of 1970 data reported by NIH. Because of the significant margin of error at the institution level, field of science totals for individual institutions are not shown in this report.

Data for three of the reporting agencies - the Agency for International Development, and the Departments of Housing and Urban Development and Labor - are combined for the purpose of tabular presentation. These units constitute the "other" category used as the final column heading in tables showing agency detail.

Dollar totals reflect actual obligations by the reporting agency during a fiscal year (July 1 to June 30) regardless of when funds were spent by a recipient.[1] Certain allocations for financial assistance by Federal agencies were excluded from the study, notably loans such as those made by the Office of Education for undergraduate and graduate construction, and agency support of Federal employee training and development activities. Obligations were reported in amounts rounded to the nearest thousand dollars.

Data for individual institutions represent direct support from Federal agencies and, therefore, do not make allowances for amounts subcontracted to or from other institutions. Consequently, the location of actual performance of obligated amounts cannot be identified if that performance some site other than that of the institution to w obligated. In cases of interagency transfers of fun that made the final distribution of the funds to a tutions reported the obligations.

Federal obligations to university "systems" terms of the individual institutions comprising a listed separately are Federal dollars awarded direc ministrative center of a system. However, where t tion of funds is not known at the time the award cies report the funds as obligations to the system tive office, or "central system." In many cases funds are distributed by the system's central offic institutions. To the extent this filtering effect ta amounts reported for the individual institutions w may be understated. Central system obligations in reported for the following:

- Maricopa County Junior Colleges System
- Claremont Colleges System
- Peralta Junior College District System
- San Diego Junior Colleges System
- University of California System
- State University System of Florida
- University of Illinois System
- Indiana University System
- Louisiana State University System
- University of Missouri System
- University of Nebraska System
- University of Nevada System
- City University of New York System
- Columbia University System
- State University of New York System
- University of North Carolina System
- Oregon State Higher Education System
- University of Tennessee System
- Texas A&M University System
- University of Texas System
- Virginia Community College System
- University of Wisconsin System
- Wisconsin State University System
- University of Puerto Rico System

Among the categories of support reported by cies, amounts shown for individual institutions m indicate the way the funds are actually spent by tions. For instance, the entire obligations by the Defense were reported under research and de though some of the funds were actually expende facilities.

Sections 1 and 2 in part I of this report inclu between obligation data and educational data o conferred over the academic year 1969-70. The compiled from degree data collected by the Offic in the Higher Education General Information Su

[1] Data for the Atomic Energy Commission were provided in terms of costs rather than obligations but are treated as substantially the same thing in this analysis.

CONCEPTS AND LIMITATIONS

The dollar totals in this report represent obligations to academic institutions, selected other nonprofit organizations, and associated Federally Funded Research and Development Centers (FFRDC's), incurred by 14 Federal agencies. Data on academic institutions and their associated FFRDC's are extracted from the CASE data collection system established by the Committee on Academic Science and Engineering of the Federal Council for Science and Technology. Data on other nonprofit organizations were collected separately.

The present data collection system used for CASE reporting represents an amalgamation of two distinct systems used in previous years. Refinements made in reporting concepts and categories should be noted when category totals for 1971 are compared with those for previous years. To the extent that "general support for science" funds are ultimately directed into "research and development" or any of the other specific academic science areas, category totals as published in previous reports in this series are not comparable with those published in this report. In trend tables and charts in this report, however, adjustments were made to data for prior years in order to make the data comparable.

Note also that the field of science distribution of some $62 million in R&D obligations and $28 million in fellowship and training obligations from NIH was estimated on the basis of 1970 data reported by NIH. Because of the significant margin of error at the institution level, field of science totals for individual institutions are not shown in this report.

Data for three of the reporting agencies - the Agency for International Development, and the Departments of Housing and Urban Development and Labor - are combined for the purpose of tabular presentation. These units constitute the "other" category used as the final column heading in tables showing agency detail.

Dollar totals reflect actual obligations by the reporting agency during a fiscal year (July 1 to June 30) regardless of when funds were spent by a recipient.[1] Certain allocations for financial assistance by Federal agencies were excluded from the study, notably loans such as those made by the Office of Education for undergraduate and graduate construction, and agency support of Federal employee training and development activities. Obligations were reported in amounts rounded to the nearest thousand dollars.

Data for individual institutions represent direct support from Federal agencies and, therefore, do not make allowances for amounts subcontracted to or from other institutions. Consequently, the location of actual performance of obligated amounts cannot be identified if that performance takes place at some site other than that of the institution to which funds are obligated. In cases of interagency transfers of funds, the agency that made the final distribution of the funds to academic institutions reported the obligations.

Federal obligations to university "systems" are shown in terms of the individual institutions comprising a system. Also listed separately are Federal dollars awarded directly to the administrative center of a system. However, where the final allocation of funds is not known at the time the award is made, agencies report the funds as obligations to the system's administrative office, or "central system." In many cases, the Federal funds are distributed by the system's central office to individual institutions. To the extent this filtering effect takes place, the amounts reported for the individual institutions within a system may be understated. Central system obligations in FY 1971 were reported for the following:

- Maricopa County Junior Colleges System
- Claremont Colleges System
- Peralta Junior College District System
- San Diego Junior Colleges System
- University of California System
- State University System of Florida
- University of Illinois System
- Indiana University System
- Louisiana State University System
- University of Missouri System
- University of Nebraska System
- University of Nevada System
- City University of New York System
- Columbia University System
- State University of New York System
- University of North Carolina System
- Oregon State Higher Education System
- University of Tennessee System
- Texas A&M University System
- University of Texas System
- Virginia Community College System
- University of Wisconsin System
- Wisconsin State University System
- University of Puerto Rico System

Among the categories of support reported by Federal agencies, amounts shown for individual institutions may not always indicate the way the funds are actually spent by these organizations. For instance, the entire obligations by the Department of Defense were reported under research and development, although some of the funds were actually expended for plant and facilities.

Sections 1 and 2 in part I of this report include comparisons between obligation data and educational data on total degrees conferred over the academic year 1969-70. These figures were compiled from degree data collected by the Office of Education in the Higher Education General Information Survey (HEGIS).

[1] Data for the Atomic Energy Commission were provided in terms of costs rather than obligations but are treated as substantially the same thing in this analysis.

RELATIONSHIP OF THIS STUDY TO *FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND OTHER SCIENTIFIC ACTIVITIES*

Both this study and *Federal Funds for Research, Development, and Other Scientific Activities,*[2] obtain data on obligations by Federal agencies for research and development and R&D plant to universities, colleges, other nonprofit institutions, and their associated Federally Funded Research and Development Centers. This study is oriented toward obtaining information on total Federal support for individual institutions and selected nonprofit research organizations, while the *Federal Funds* study obtains data on research and development and R&D plant obligated by Federal agencies to each sector of the economy, including Government, industry, universities and colleges, and all other nonprofit organizations. In *Federal Funds,* the emphasis is on character of activity and field of science, rather than individual recipients.

In general, there is conformity of concepts and definitions used in the two studies. Note, however, that data do not and cannot conform in all respects. Information used in *Federal Funds* is based on the agencies' budgets which, of course, cannot show details on the recipients of funds.

For the purpose of this report, "selected nonprofit organizations" include primarily independent nonprofit research institutions. Omitted from this group are hospitals, academies of science, museums, professional and technical societies, and private philanthropic foundations all of which are included in the *Federal Funds* classification of nonprofit organizations. Also, since this study covers 14 Federal departments and agencies and *Federal Funds* obtains reports on a Government-wide basis, there is a difference representing the amounts obligated to institutions by agencies not in the CASE study.

Among other differences is the fact that the National Institutes of Health (NIH) reported its General Research Support Grants Program as research and development in *Federal Funds,* and "general support for science" in the CASE study. The National Science Foundation provided estimates to *Federal Funds* of amounts expended by universities for research and development and R&D plant from institution-based grants, university science development grants, departmental science development grants, and college science improvement grants. For individual institutions of higher education, the allocation of funds from these programs differ widely and, consequently, all of the Foundation's obligations for institutional grant and science development programs were reported as "general support for science" in the CASE study.

In cases of interagency transfers of funds, the present study instructs the agency that actually obligates funds to an academic institution to report the obligation. In *Federal Funds,* on the other hand, agencies initiating the interagency transfers report the obligated amounts.

[2] National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1971, 1972, and 1973,* Vol. XXI (NSF 72-317) Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1973.)

DEFINITIONS OF TERMS

University or college consists of all parts of the academic institution such as a college of liberal arts, professional school, hospital, school of agriculture, agricultural experiment station, etc. - except an associated Federally Funded Research and Development Center. Universities and colleges include all institutions of higher education in the United States that offer at least 2 years of college-level studies in residence. The universe of institutions for this report is based upon the Office of Education's Education Directory 1970-71. To be included in this report, an institution must have received some Federal support in fiscal year 1971 and must possess a significant degree of autonomy with respect to educational administrative responsibilities. Thus, universities and colleges organized under systems, e.g., groups of institutions collectively having legal status and generally accorded recognition by a State, by a board of education, or other relevant organization, are shown as separate institutions in cases where significant autonomy exists. Obligations to branches and campuses of institutions are not shown separately but are included in the total for the parent institutions. Obligations to service schools were excluded from the study. Also excluded were funds awarded to the U.S. Department of Agriculture Graduate School.

Nonprofit research institutions included in this study were limited to 74 selected independent research institutes and 27 nonprofit-administered FFRDC's. Compiled prior to the start of the 1971 survey, the list of research institutes sent to Federal agencies was made up of those institutions that were believed to be most likely to receive at least $300,000 in Federal R&D obligations for FY 1971. To assure as complete coverage as possible, the list includes several institutions that had funding levels below $300,000. Since the survey produced funding information on these smaller organizations, they are included in the report. Excluded from the study of selected nonprofit institutions are such nonprofit organizations as nonprofit hospitals, academies of sciences, professional and technical societies, museums, and philanthropic foundations.

FFRDC's in this report are organizational units managed by universities and colleges or other nonprofit institutions. Generally, these units have been established to meet a particular R&D need of a Federal agency. The Committee on Academic Science and Engineering (CASE) has developed uniform identification and classification criteria for use by all sponsoring agencies. To be classified as an FFRDC, an organization should:

(a) Perform primarily one or more of the following: basic research, applied research, development, or management of research and development. Specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities production mapping and surveys, and information dissemination;

(b) Constitute a separate operational unit within the parent organization or be organized as a separately incorporated organization;

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(a) Perform primarily one or more of the following: basic research, applied research, development, or management of research and development. Specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production mapping and surveys, and information dissemination;

(b) Constitute a separate operational unit within the parent organization or be organized as a separately incorporated organization;

(c) Perform actual research and development or R&D management either upon direct request of the Government or under a broad charter from the Government, but in either case under the direct monitorship of the Government;

(d) Receive its major financial support - 70 percent or more - from the Federal Government, usually from one agency;

(e) Have, or be expected to have, a long-term relationship - about 5 years or more - with its sponsoring agency, as evidenced by the specific obligations it and the agency assume;

(f) Be established in the contract so that most or all of the facilities are owned or funded by the Government; and,

(g) Have an average annual budget, including operating and capital equipment, of at least $500,000.

Included in this report are 31 FFRDC's administered by universities and colleges and 27 FFRDC's administered by other nonprofit institutions. Of the 31 FFRDC's associated with universities and colleges in 1971, 23 are administered by specified universities; seven are managed solely by university consortia; and one, Argonne National Laboratory, is managed jointly by the University of Chicago and Argonne Universities Association.

Academic science includes the sum of activities classified under six categories: research and development; R&D plant; facilities and equipment for instruction in science and engineering; fellowships, traineeships, and training grants; general support for science; and other science activities. Each of these categories is defined below.

Research is defined as scientific inquiry. It includes basic studies - those oriented toward deeper or more meaningful understanding and knowledge per se in a particular subject or field; and applied studies - those aimed at new or more complete knowledge in the light of potential practical application.

Development is the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

R&D plant includes all direct, indirect, incidental, or related costs resulting from, or necessary to the construction of, acquisition of, major repair to, or alterations in structures, works, fixed equipment, facilities, or land for use in scientific *research and development*. Fixed equipment includes accelerators, reactors, wind funnels, radio telescopes, etc.

Facilities and equipment for instruction in science and engineering include all direct, indirect, incidental or other costs relating to the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in *instruction* in science and engineering.

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Fellowships, traineeships, and training grants include all awards (stipends and cost-of-education allowances) for the training of individuals or groups of individuals to meet the future demand for scientific and technical manpower. *Excluded* from this category are funds for research institutes, seminars, and conferences: educational institutes, seminars, and conferences; and the development of educational techniques or materials.

General support for science includes activities which provide support for nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward academic departments, institutes, or institutions as a whole. "General support" implies a spectrum of varying types of support. At one extreme is support provided without any specification of purpose other than that funds be used for scientific activities. Another kind of "general support" is to be found in projects that provide funds for activity within a specified field of science or engineering but without specification of explicit purpose. The distinguishing feature of "general support for science" projects is that they permit a significant measure of freedom as to purpose (research, faculty support, education, institutional support, etc.).

Among the projects reported under the category "General Support for Science" were projects awarded through the following agency programs:

- NIH General Research Support Grants
- NIH Health Sciences Advancement Awards
- NIH Biomedical Sciences Support Grants
- NSF Institutional Grants for Science
- NSF Science Development Program
- NSF College Science Improvement Programs
- NSF Cooperative College - School Science Program

Other science activities include USDA's cooperative extension programs; *educational* or *research* institutes, seminars, or conferences; and other science activities not included in one of the other five academic science categories.

Nonscience activities include all other programs not included in the six science categories defined above.

Fields of Science

Science and engineering represent the sum of all fields of science and engineering. These are divided into eight broad categories each consisting of a number of fields. Shown below are definitions of each broad field together with an illustrative list of disciplines under each of the subfields.

(a) Physical sciences are concerned with the understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and physical sciences not elsewhere classified. Examples of the disciplines under each of these fields follow.

Astronomy:
Laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, neutrino astronomy.

Chemistry:
Inorganic; organo-metallic organic; physical.

Physics:
Acoustics; atomic and molecular; condensed matter; elementary particles; nuclear structure; optics; plasma.

Physical sciences, n.e.c.[3]

(b) Mathematics employs logical reasoning with the aid of symbols and is concerned with the development of methods of operation employing such symbols. Examples of mathematical disciplines are:

Algebra; analysis; applied mathematics; computer science; foundations and logic; geometry; numer[illegible] analysis; statistics; and topology.

(c) Environmental sciences (terrestrial and extraterrestrial) are concerned with the gross nonbiological properties of the areas of the solar system which directly or indirectly affect man's survival and welfare. They comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. Examples of the disciplines under each of these fields are

Atmospheric sciences:
Aeronomy; solar; weather modification; extraterrestrial atmospheres; meteorology.

Geological sciences;
Engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; organic geochemistry; laboratory geophysics; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences.

Oceanography:
Chemical oceanography; geological oceanography; physical oceanography; marine geophysics.

Environmental sciences, n.e.c.[3]

(d) Engineering is concerned with studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight categories: Aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these engineering fields are

[3] Not elsewhere classified. This category includes multidisciplinary projects within the broad field and single discipline projects for which a separate field has not been assigned.

Astronomy:
Laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, neutrino astronomy.

Chemistry:
Inorganic; organo-metallic organic; physical.

Physics:
Acoustics; atomic and molecular; condensed matter; elementary particles; nuclear structure; optics; plasma.

Physical sciences, n.e.c.[3]

(b) Mathematics employs logical reasoning with the aid of symbols and is concerned with the development of methods of operation employing such symbols. Examples of mathematical disciplines are:

Algebra; analysis; applied mathematics; computer science; foundations and logic; geometry; numerical analysis; statistics; and topology.

(c) Environmental sciences (terrestrial and extraterrestrial) are concerned with the gross nonbiological properties of the areas of the solar system which directly or indirectly affect man's survival and welfare. They comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. Examples of the disciplines under each of these fields are

Atmospheric sciences:
Aeronomy; solar; weather modification; extraterrestrial atmospheres; meteorology.

Geological sciences;
Engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; organic geochemistry; laboratory geophysics; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences.

Oceanography:
Chemical oceanography; geological oceanography; physical oceanography; marine geophysics.

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(d) Engineering is concerned with studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight categories: Aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these engineering fields are

Aeronautical:
Aerodynamics.

Astronautical:
Aerospace; space technology.

Chemical:
Petroleum; petroleum refining; process.

Civil:
Architectural; hydraulic; hydrologic; marine; sanitary and environmental; structural; transportation.

Electrical:
Communication; electronic; power.

Mechanical:
Engineering mechanics.

Metallurgy and materials:
Ceramic; mining; textile; welding.

Engineering, n.e.c.[3]
Agricultural; industrial and management; nuclear; ocean engineering; systems.

(e) Life sciences consist of the biological, clinical medical, other medical sciences and life sciences not elsewhere classified.

Biological sciences are those which, apart from the clinical medical and other medical sciences defined below, deal with the origin, development, structure, function, and interaction of living things. The agricultural and basic medical sciences are included. Examples of biological sciences are

Anatomy; animal sciences; bacteriology; biochemistry; biogeography; biological oceanography; biophysics; ecology; embryology; entomology; evolutionary biology; genetics; immunology; microbiology; nutrition and metabolism; parasitology; pharmacology; physical anthropology; physiology; plant sciences; radiobiology; systematics.

Clinical medical sciences are concerned with the study of the pathogenesis, diagnosis or therapy of a particular disease or abnormal condition in living human subjects under controlled conditions.

Other medical sciences are concerned with studies of the causes, effects, prevention, or control of abnormal conditions in man or in his environment as it relates to health, except for the clinical aspects as defined above.

Life sciences, n.e.c.[3]

(f) Psychology deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology is divided into three categories: biological aspects, social aspects, and psychological sciences not elsewhere classified. Examples of the disciplines under each of these fields are

Biological aspects:
Experimental psychology; animal behavior; clinical psychology; comparative psychology; ethology.

Social aspects:
Social psychology; educational, personnel, vocational psychology and testing; industrial and engineering psychology; development and personality.

[3]Not elsewhere classified. This category includes multidisciplinary projects within the broad field and single discipline projects for which a separate field has not been assigned.

Psychological sciences, n.e.c.[3]

(g) Social sciences are directed toward an understanding of the behavior of social institutions and of individuals as members of a group. These include anthropology, economics, history, linguistics, political science, sociology, and social sciences not elsewhere classified. Examples of the disciplines under each of these fields are

Anthropology:
Archaeology; cultural and personality; social and ethnology; applied anthropology.

Economics:
Econometrics and economic statistics; history of economic thought; international economics; industrial, labor and agricultural economics; macroeconomics; microeconomics; public finance and fiscal policy; theory.

History:
Cultural; political; social; history and philosophy of science.

Linguistics:
Anthropological-archaeological; computational; psycholinguistics; sociolinguistics.

Political science:
Area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration.

Sociology:
Comparative and historical complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory.

Social sciences, n.e.c.[3]
Research in law and education, n.e.c.; socioeconomic geography.

(h) Other sciences not elsewhere classified for this report include single projects as well as multidisciplinary and interdisciplinary projects that could not be classified within one of the above broad fields of science.

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FEDERAL SUPPORT TO UNIVERSITIES AND COLLEGES

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Table B-1. Federal obligations to universities and colleges, by type of program and agency, FY 1963-71

[Dollars in millions]

Program and year	Total	USDA	AEC	Commerce	DOD	OEO	EPA	HEW	Interior	NASA	NSF	DOT	Other[a]
Total Federal obligations:													
1963 . . .	1,413.0	104.0	76.1	1.8	218.0	----	----	665.3	4.0	87.4	256.3	----	----
1964 . . .	1,625.0	115.0	79.9	1.7	258.1	----	----	780.0	5.3	107.6	277.5	----	----
1965 . . .	2,305.5	135.6	84.4	2.6	267.9	----	----	1,345.6	9.7	134.3	325.2	----	----
1966 . . .	3,010.0	141.0	96.9	2.8	278.0	----	----	1,952.2	22.4	142.2	374.5	----	----
1967 . . .	3,311.1	144.8	109.6	7.9	264.1	----	----	2,231.2	27.4	131.5	394.5	----	----
1968 . . .	3,379.7	144.2	119.7	9.8	243.1	54.7	----	2,215.2	28.2	129.8	422.8	3.8	8.4
1969 . . .	3,453.3	155.9	121.0	3.9	278.7	60.4	----	2,293.4	24.3	127.2	367.0	NA	21.4
1970 . . .	3,226.7	182.1	114.5	4.9	265.5	35.6	----	2,051.0	27.7	131.2	387.4	10.1	16.6
1971 . . .	3,480.2	214.6	105.8	9.7	241.8	37.5	27.2	2,263.4	22.6	134.1	387.7	10.8	25.0
Academic science obligations:													
1963 . . .	1,328.5	104.0	76.1	1.8	218.0	----	----	581.0	3.8	87.4	256.3	----	----
1964 . . .	1,528.6	115.0	79.9	1.7	258.1	----	----	683.8	5.1	107.6	277.5	----	----
1965 . . .	1,816.2	135.6	84.4	2.6	267.9	----	----	856.5	9.6	134.3	325.2	----	----
1966 . . .	2,163.5	141.0	96.9	2.8	278.0	----	----	1,109.2	19.1	142.2	374.5	----	----
1967 . . .	2,323.8	144.8	109.6	4.4	264.1	----	----	1,251.0	23.9	131.5	394.5	----	----
1968 . . .	2,349.8	144.2	119.7	8.0	243.1	12.5	----	1,229.4	28.2	129.8	422.8	3.7	8.4
1969 . . .	2,361.4	155.9	121.0	2.2	278.7	9.3	----	1,261.8	24.3	127.2	367.0	NA	14.0
1970 . . .	2,187.6	182 1	114.5	3.9	265.5	18.9	27.2	1,036.7	27.7	131.2	387.4	10.1	9.6
1971 . . .	2,335.9	214.6	105.8	7.6	241.8	16.4	----	1,142.3	22.6	134.1	387.7	10.8	25.0
Research and development:													
1963 . . .	829.5	40.6	68.3	1.5	218.0	----	----	332.9	3.8	59.8	104.6	----	----
1964 . . .	975.6	47.5	70.5	1.1	258.1	----	----	399.2	5.0	78.2	115.8	----	----
1965 . . .	1,095.0	59.1	74.8	2.1	267.9	----	----	441.9	9.5	100.6	139.2	----	----
1966 . . .	1,252.1	62.9	83.2	2.1	278.0	----	----	507.3	18.7	107.4	192.5	----	----
1967 . . .	1,301.2	64.0	89.7	3.4	264.1	----	----	577.0	23.9	109.0	170.2	----	----
1968 . . .	1,398.3	62.2	101.8	6.7	243.1	12.5	----	619.1	27.8	126.1	187.7	3.7	7.6
1969 . . .	1,474.7	63.6	103.1	1.7	278.7	9.3	----	667.1	23.5	122.3	191.5	NA	13.9
1970 . . .	1,446.6	67.4	101.4	3.2	265.5	18.9	----	614.9	27.1	127.4	201.2	10.1	9.6
1971 . . .	1,544.1	74.8	95.9	6.9	241.8	16.4	17.0	695.7	21.3	128.5	216.9	8.0	21.0
R&D plant:													
1963 . . .	105.9	-----	2.6	---	-----	----	----	39.2	.1	13.4	50.6	----	----
1964 . . .	100.8	-----	4.0	---	-----	----	----	39.9	----	9.1	47.8	----	----
1965 . . .	126.2	3.2	3.8	---	-----	----	----	54.8	(b)	8.4	56.0	----	----
1966 . . .	114.8	2.0	7.4	---	-----	----	----	48.5	.2	7.4	49.3	----	----
1967 . . .	111.3	2.0	13.8	.3	-----	----	----	38.1	----	5.0	52.1	----	----
1968 . .	96.1	1.9	11.9	.2	-----	----	----	36.9	----	-----	45.3	----	----
1969 . . .	54.5	1.2	11.4	---	-----	----	----	20.5	----	-----	21.4	NA	----
1970 . . .	44.8	1.1	7.1	(b)	-----	----	----	20.0	----	-----	16.5	----	----
1971 . . .	29.9	-----	4.8	---	-----	----	----	15.2	----	.2	9.7	----	----
Other science activities:													
1963 . . .	393.1	63.4	5.3	.3	-----	----	----	208.9	(b)	14.1	101.1	----	----
1964 . . .	452.2	67.5	5.4	.6	-----	----	----	244.6	(b)	20.2	113.9	----	----
1965 . . .	595.0	73.3	5.9	.6	-----	----	----	359.8	(b)	25.4	130.1	----	----
1966 . . .	796.6	76.1	6.3	.7	-----	----	----	553.3	.2	27.3	132.7	----	----
1967 . . .	911.2	78.8	6.2	.7	-----	----	----	635.9	(b)	17.4	172.3	----	----
1968 . . .	855.4	80.1	6.1	1.0	-----	----	----	573.4	.4	3.7	189.9	(b)	.8
1969 . . .	832.2	91.1	6.5	.5	(b)	----	----	574.1	.9	5.0	154.1	NA	.1
1970 . . .	696.2	113.5	5.9	.7	(b)	----	----	401.9	.6	3.8	169.7	----	----
1971 . . .	761.8	139.8	5.2	.8	-----	----	10.1	431.5	1.3	5.3	161.1	2.8	3.9
Nonscience activities:													
1963 . . .	84.5	-----	-----	---	-----	----	----	84.3	.2	-----	-----	----	----
1964 . . .	96.4	-----	-----	---	-----	----	----	96.2	.2	-----	-----	----	----
1965 . . .	489.3	(b)	-----	---	-----	----	----	489.1	.1	-----	-----	----	----
1966 . . .	846.4	(b)	-----	---	-----	----	----	843.1	3.4	-----	-----	----	----
1967 . . .	987.3	(b)	-----	3.5	-----	----	----	980.2	3.5	-----	-----	----	----
1968 . . .	1,029.9	-----	-----	1.8	-----	42.2	----	985.8	----	-----	-----	.1	----
1969 . . .	1,091.9	-----	-----	1.8	(b)	51.1	----	1,031.6	----	-----	-----	NA	7.4
1970 . . .	1,039.2	-----	-----	1.0	(b)	16.7	----	1,014.3	----	-----	-----	----	7.1
1971 . . .	1,144.3	-----	-----	2.0	-----	21.1	----	1,121.1	(b)	-----	-----	----	----

[a]Includes AID, HUD, and Labor.

[b]Less than $50,000.

NOTE: NA - Not available.

SOURCE: National Science Foundation (CASE).

Table B-2. Federal obligations to universities and colleges, by agency and type of activity, FY 1971

[Dollars in thousands]

Agency	Total obligations	Academic science: Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	Nonscience activities
Total, all agencies	3,480,150	2,335,868	1,544,130	29,942	28,729	421,029	99,669	212,369	1,144,282
Department of Agriculture	214,597	214,597	74,793	------	325	------	------	139,479	--------
Atomic Energy Commission	105,836	105,836	95,862	4,800	2,300	2,606	------	268	--------
Department of Commerce	9,673	7,637	6,887	------	------	25	221	504	2,036
Department of Defense	241,773	241,773	241,773	------	------	------	------	------	--------
Office of Economic Opportunity	37,521	16,378	16,378	------	------	------	------	------	21,143
Environmental Protection Agency	27,160	27,160	17,027	------	------	10,133	------	------	--------
Department of Health, Education, and Welfare	2,263,406	1,142,338	695,717	15,169	13,908	361,440	40,209	15,895	1,121,068
Department of the Interior	22,617	22,582	21,277	------	129	38	1,138	------	35
National Aeronautics and Space Administration	134,054	134,054	128,531	235	------	1,044	------	4,244	--------
National Science Foundation	387,737	387,737	216,883	9,738	12,067	42,293	56,892	49,864	--------
Department of Transportation	10,824	10,824	7,977	------	------	2,847	------	------	--------
Other[a]	24,952	24,952	21,025	------	------	603	1,209	2,115	--------

[a]Includes AID, HUD, and Labor.

SOURCE: National Science Foundation (CASE).

Table B-3. Obligations by the Department of Health, Education, and Welfare to universities and colleges, by subdivision and type of activity, FY 1971

[Dollars in thousands]

Subdivision	Total obligations	Academic science: Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	Nonscience activities
Total	2,263,406	1,142,338	695,717	15,169	13,908	361,440	40,209	15,895	1,121,068
National Institutes of Health	1,154,815	797,072	571,448	15,169	------	168,656	40,209	1,590	357,743
Health Services and Mental Health Administration	299,509	179,492	75,722	------	------	98,644	------	5,126	120,017
Office of Education	697,395	101,293	26,175	------	13,908	52,374	------	8,836	596,102
Social & Rehabilitation Service	55,787	55,787	15,380	------	------	40,407	------	------	--------
Social Security Administration	386	386	386	------	------	------	------	------	--------
Food and Drug Administration	8,308	8,308	6,606	------	------	1,359	------	343	--------
Other HEW	47,206	--------	------	------	------	------	------	------	47,206

SOURCE: National Science Foundation (CASE).

Table B-4. Obligations by the Department of Defense to universities and colleges, by subdivision and type of activity, FY 1971

[Dollars in thousands]

National Aeronautics and Space Administration	134,054	134,054	128,531	235	------	1,044	------	4,244	--------
National Science Foundation	387,737	387,737	216,883	9,738	12,067	42,293	56,892	49,864	--------
Department of Transportation	10,824	10,824	7,977	------	------	2,847	------	------	--------
Other[a]	24,952	24,952	21,025	------	------	603	1,209	2,115	--------

[a]Includes AID, HUD, and Labor.
SOURCE: National Science Foundation (CASE).

Table B-3. Obligations by the Department of Health, Education, and Welfare to universities and colleges, by subdivision and type of activity, FY 1971

[Dollars in thousands]

Subdivision	Total obligations	Academic science							Nonscience activities
		Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	
Total	2,263,406	1,142,338	695,717	15,169	13,908	361,440	40,209	15,895	1,121,068
National Institutes of Health	1,154,815	797,072	571,448	15,169	------	168,656	40,209	1,590	357,743
Health Services and Mental Health Administration	299,509	179,492	75,722	------	------	98,644	------	5,126	120,017
Office of Education	697,395	101,293	26,175	------	13,908	52,374	------	8,836	596,102
Social & Rehabilitation Service	55,787	55,787	15,380	------	------	40,407	------	------	--------
Social Security Administration	386	386	386	------	------	-------	------	------	--------
Food and Drug Administration	8,308	8,308	6,606	------	------	1,359	------	343	--------
Other HEW	47,206	--------	-------	------	------	-------	------	------	47,206

SOURCE: National Science Foundation (CASE).

Table B-4. Obligations by the Department of Defense to universities and colleges, by subdivision and type of activity, FY 1971

[Dollars in thousands]

Subdivision	Total obligations	Academic science							Nonscience activities
		Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	
Total	241,773	241,773	241,773[a]	----	----	----	----	----	----
Army	57,416	57,416	57,416	----	----	----	----	----	----
Navy	88,733	88,733	88,733	----	----	----	----	----	----
Air Force	79,895	79,895	79,895	----	----	----	----	----	----
Other DOD	15,729	15,729	15,729	----	----	----	----	----	----

[a]Includes some R&D plant funding which could not be reported separately.
SOURCE: National Science Foundation (CASE).

TABLE B-5

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE		TOTAL, ALL ACTIVITIES	TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON-SCIENCE
UNITED STATES, TOTAL	AMT	3,480,150	2,335,868	1,544,130	29,942	28,729	621,029	99,669	212,369	1,144,282
	NO.	2,368	1,274	577	86	456	799	714	509	2,344
NEW ENGLAND, TOTAL	AMT	341,295	279,233	209,694	3,828	3,240	43,526	7,877	11,068	62,062
	NO.	221	114	54	9	37	76	61	40	217
MAINE	AMT	6,832	3,308	1,351	0	27	423	115	1,392	3,524
	NO.	20	10	3	0	4	5	4	4	20
NEW HAMPSHIRE	AMT	19,357	11,903	6,683	1,697	141	1,408	445	1,529	7,454
	NO.	21	11	4	1	6	6	3	4	20
VERMONT	AMT	10,221	6,478	4,036	0	81	1,316	267	778	3,743
	NO.	18	11	4	0	3	10	2	1	18
MASSACHUSETTS	AMT	231,515	200,113	158,823	1,801	2,441	28,131	3,675	5,242	31,402
	NO.	112	55	28	6	11	38	36	23	110
RHODE ISLAND	AMT	16,188	12,520	9,671	72	351	1,413	482	731	3,668
	NO.	13	7	3	1	3	5	5	2	13
CONNECTICUT	AMT	57,182	44,911	29,330	258	199	10,835	2,893	1,396	12,271
	NO.	37	20	12	1	10	12	11	6	36
MIDDLE ATLANTIC, TOTAL	AMT	569,573	403,050	271,958	3,689	3,796	82,999	19,595	21,013	166,523
	NO.	376	219	103	17	61	130	133	97	367
NEW YORK	AMT	339,996	251,126	173,165	3,387	2,422	52,729	9,599	9,824	88,870
	NO.	202	111	61	9	27	67	74	44	195
NEW JERSEY	AMT	55,629	34,758	23,974	137	327	4,783	2,505	3,032	20,871
	NO.	50	28	11	3	8	17	16	25	49
PENNSYLVANIA	AMT	173,948	117,166	74,819	165	1,047	25,487	7,491	8,157	56,782
	NO.	124	80	31	5	26	46	43	28	123
EAST NORTH CENTRAL, TOTAL	AMT	529,890	376,250	248,033	1,613	2,836	72,193	12,887	38,688	153,640
	NO.	362	180	89	12	77	112	103	67	359
OHIO	AMT	110,017	72,005	40,384	103	651	15,469	2,277	13,121	38,012
	NO.	81	43	25	2	16	32	29	19	81
INDIANA	AMT	64,773	44,935	28,400	322	209	7,429	2,595	5,980	19,838
	NO.	43	23	8	3	6	14	14	10	42
ILLINOIS	AMT	154,082	113,627	81,154	664	530	21,760	2,626	6,893	40,455
	NO.	107	47	21	4	20	27	28	17	107
MICHIGAN	AMT	121,246	85,651	57,543	388	791	16,418	2,599	7,912	35,595
	NO.	79	32	17	2	13	21	21	9	79
WISCONSIN	AMT	79,772	60,032	40,552	136	655	11,117	2,790	4,782	19,740
	NO.	52	35	18	1	22	18	11	12	50
WEST NORTH CENTRAL, TOTAL	AMT	315,180	168,660	95,910	5,689	1,129	33,257	8,903	23,772	146,520
	NO.	266	129	52	3	49	83	69	51	266
MINNESOTA	AMT	84,098	46,361	26,948	2,983	264	9,646	1,352	5,168	37,737
	NO.	50	27	7	1	9	18	13	9	50
IOWA	AMT	53,272	29,290	15,810	462	184	5,031	3,051	4,752	23,982
	NO.	49	25	10	1	12	13	11	12	49
MISSOURI	AMT	94,021	51,285	31,593	1,375	239	11,211	1,983	4,884	42,736
	NO.	60	31	13	2	12	19	17	14	60
NORTH DAKOTA	AMT	10,119	5,163	2,437	0	47	633	216	1,830	4,956
	NO.	12	5	3	0	2	4	3	3	12
SOUTH DAKOTA	AMT	11,277	5,873	2,918	0	110	526	388	1,931	5,404
	NO.	16	10	5	0	5	9	7	4	16
NEBRASKA	AMT	28,371	10,907	5,295	854	128	1,997	385	2,248	17,464
	NO.	28	13	6	2	4	9	8	4	28
KANSAS	AMT	34,022	19,781	10,909	15	157	4,213	1,528	2,959	14,241
	NO.	51	18	8	2	5	11	10	5	51

TABLE B-5
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	ACADEMIC SCIENCE: R&D PLANT	ACADEMIC SCIENCE: FACIL. FOR INSTR. IN SCI. & ENG.	ACADEMIC SCIENCE: FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	ACADEMIC SCIENCE: GENERAL SUPPORT FOR SCIENCE	ACADEMIC SCIENCE: OTHER SCIENCE	NON-SCIENCE
SOUTH ATLANTIC, TOTAL	AMT	508,571	297,717	180,196	550	4,640	60,591	14,956	36,784	210,854
	NO.	391	198	78	11	69	134	104	67	387
DELAWARE	AMT	5,570	3,864	1,901	0	78	413	521	951	1,706
	NO.	7	5	2	0	5	3	2	2	7
MARYLAND	AMT	80,129	62,790	45,062	89	254	12,209	2,391	2,785	17,339
	NO.	45	22	10	2	6	17	8	6	45
DIST. OF COLUMBIA	AMT	98,447	25,320	16,730	0	136	5,819	1,011	1,624	73,127
	NO.	14	10	9	0	4	8	9	7	14
VIRGINIA	AMT	44,989	27,918	14,961	14	471	5,826	1,383	5,263	17,071
	NO.	56	30	12	2	9	19	20	9	54
WEST VIRGINIA	AMT	19,759	9,419	3,918	46	386	1,959	452	2,658	10,340
	NO.	20	12	3	1	6	5	7	3	20
NORTH CAROLINA	AMT	104,894	74,728	43,309	299	877	15,598	5,202	9,443	30,166
	NO.	92	36	12	3	8	28	16	12	92
SOUTH CAROLINA	AMT	24,087	11,102	4,496	0	368	1,945	372	3,921	12,985
	NO.	42	22	5	0	9	13	12	5	41
GEORGIA	AMT	57,734	34,985	19,617	0	428	6,745	2,030	6,165	22,749
	NO.	57	29	11	0	8	22	13	15	56
FLORIDA	AMT	72,962	47,591	30,202	102	1,642	10,077	1,594	3,974	25,371
	NO.	58	32	14	3	14	19	17	8	58
EAST SOUTH CENTRAL, TOTAL	AMT	194,765	95,610	52,075	89	1,540	16,534	4,231	21,141	99,155
	NO.	175	93	34	1	33	59	53	37	175
KENTUCKY	AMT	35,877	18,507	9,060	0	562	3,223	857	4,805	17,370
	NO.	30	21	6	0	8	18	12	7	30
TENNESSEE	AMT	75,463	38,009	21,534	89	183	8,144	1,809	6,248	37,454
	NO.	58	28	12	1	8	18	18	17	58
ALABAMA	AMT	53,882	25,740	15,566	0	508	3,706	943	5,017	28,042
	NO.	48	25	9	0	9	14	15	8	48
MISSISSIPPI	AMT	29,623	13,354	5,915	0	287	1,459	622	5,071	16,269
	NO.	39	19	7	0	8	9	8	5	39
WEST SOUTH CENTRAL, TOTAL	AMT	276,326	159,368	90,587	7,311	2,032	25,643	10,079	23,716	116,958
	NO.	198	127	61	9	64	73	72	41	196
ARKANSAS	AMT	21,855	9,655	3,872	0	232	1,528	374	3,649	12,200
	NO.	20	13	5	0	7	8	5	1	20
LOUISIANA	AMT	65,939	30,453	13,513	4,958	370	5,405	2,023	4,184	35,486
	NO.	24	21	10	1	14	14	15	10	24
OKLAHOMA	AMT	31,936	18,607	8,292	12	102	3,905	1,175	5,121	13,329
	NO.	35	21	9	1	4	12	13	5	35
TEXAS	AMT	156,596	100,653	64,910	2,341	1,328	14,805	6,507	10,762	55,943
	NO.	119	72	37	7	39	39	39	25	117
MOUNTAIN, TOTAL	AMT	178,885	123,161	83,556	603	913	18,880	6,082	13,127	55,724
	NO.	97	71	37	8	25	43	36	35	96
MONTANA	AMT	9,712	5,500	2,527	16	103	871	614	1,369	4,212
	NO.	12	9	3	1	5	5	5	4	12
IDAHO	AMT	4,103	3,229	1,522	0	33	382	127	1,165	2,874
	NO.	8	8	4	0	3	5	3	4	8
WYOMING	AMT	5,694	4,212	2,035	0	315	359	226	1,281	1,482
	NO.	8	4	1	0	2	2	2	1	8
COLORADO	AMT	59,997	44,795	31,517	74	205	7,235	2,451	3,313	15,202
	NO.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9	8	13	26

COLORADO	AMT	59,997	44,795	31,517	74	205	7,239	2,451	3,313	15,202
	NO.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	NO.	56	30	12	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WEST VIRGINIA	AMT	19,759	9,419	3,918	46	386	1,999	452	2,658	10,340
	NO.	20	12	3	1	6	5	7	3	20
NORTH CAROLINA	AMT	104,894	74,728	43,309	299	877	15,598	5,202	9,443	30,166
	NO.	92	36	12	3	8	28	16	12	92
SOUTH CAROLINA	AMT	24,087	11,102	4,496	0	368	1,945	372	3,921	12,985
	NO.	42	22	5	0	9	13	12	5	41
GEORGIA	AMT	57,734	34,985	19,417	0	428	6,745	2,030	6,165	22,749
	NO.	57	29	11	0	8	22	13	15	56
FLORIDA	AMT	72,962	47,591	38,202	102	1,642	18,077	1,594	3,974	25,371
	NO.	58	32	14	3	14	19	17	8	58
EAST SOUTH CENTRAL, TOTAL	AMT	194,765	95,610	52,075	89	1,540	16,534	4,231	21,141	99,155
	NO.	175	93	34	1	33	59	53	37	175
KENTUCKY	AMT	35,877	18,907	9,060	0	562	3,223	857	4,805	17,370
	NO.	30	21	6	0	8	18	12	7	30
TENNESSEE	AMT	75,463	38,009	21,534	89	183	8,146	1,809	6,248	37,454
	NO.	58	28	12	1	8	18	18	17	58
ALABAMA	AMT	53,802	25,740	15,566	0	508	3,706	943	5,017	28,862
	NO.	48	25	9	0	9	14	15	8	48
MISSISSIPPI	AMT	29,623	13,354	5,915	0	287	1,459	622	5,071	16,269
	NO.	39	19	7	0	8	9	8	5	39
WEST SOUTH CENTRAL, TOTAL	AMT	276,326	159,368	90,587	7,311	2,032	25,643	10,079	23,716	116,958
	NO.	198	127	61	9	64	73	72	41	196
ARKANSAS	AMT	21,055	9,655	3,872	0	232	1,528	374	3,649	12,280
	NO.	20	13	5	0	7	8	5	1	20
LOUISIANA	AMT	65,939	30,493	13,513	4,958	370	5,409	2,023	4,184	35,486
	NO.	24	21	10	1	14	14	15	10	24
OKLAHOMA	AMT	31,936	18,607	8,292	12	102	3,989	1,175	5,121	13,329
	NO.	35	21	9	1	4	12	13	5	35
TEXAS	AMT	156,596	100,653	64,910	2,341	1,328	14,805	6,507	10,762	55,943
	NO.	119	72	37	7	39	39	39	25	117
MOUNTAIN, TOTAL	AMT	178,885	123,161	83,556	603	913	18,888	6,082	13,127	55,724
	NO.	97	71	37	8	25	43	36	35	96
MONTANA	AMT	9,712	5,500	2,527	16	103	871	614	1,369	4,212
	NO.	12	9	3	1	5	5	5	4	12
IDAHO	AMT	4,103	3,229	1,522	0	33	382	127	1,165	2,874
	NO.	8	8	4	0	3	5	3	4	8
WYOMING	AMT	5,694	4,212	2,035	0	315	355	226	1,281	1,482
	NO.	8	4	1	0	2	2	2	1	8
COLORADO	AMT	59,997	44,795	31,517	74	205	7,239	2,451	3,313	15,202
	NO.	26	21	9	2	2	9	8	13	26
NEW MEXICO	AMT	26,254	17,035	12,425	0	108	1,732	427	2,343	9,219
	NO.	11	8	7	0	2	6	7	3	11
ARIZONA	AMT	27,282	17,467	12,081	28	75	3,080	405	1,878	9,815
	NO.	15	11	5	1	7	10	4	3	15

TABLE B-5
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TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON-SCIENCE
MOUNTAIN										
UTAH	AMT	37,582	26,985	18,853	261	57	4,908	1,703	1,203	10,597
	NO.	12	6	5	2	2	4	5	4	12
NEVADA	AMT	6,261	3,938	2,676	224	17	317	129	575	2,323
	NO.	5	4	3	2	2	2	2	3	4
PACIFIC, TOTAL	AMT	540,345	419,185	306,703	6,477	6,325	65,738	14,793	19,149	121,160
	NO.	273	135	65	11	35	78	79	69	272
WASHINGTON	AMT	73,666	58,716	40,379	172	779	10,810	3,206	3,370	14,950
	NO.	39	18	7	2	3	12	11	13	39
OREGON	AMT	42,749	30,258	20,070	10	520	5,695	1,362	2,601	12,491
	NO.	37	18	11	2	4	12	11	9	37
CALIFORNIA	AMT	394,525	306,898	227,885	6,267	4,161	47,859	9,572	11,154	87,627
	NO.	188	95	45	6	26	51	54	43	187
ALASKA	AMT	9,571	8,462	7,348	0	141	79	258	636	1,109
	NO.	4	2	1	0	1	2	2	2	4
HAWAII	AMT	19,834	14,851	11,021	28	724	1,295	395	1,388	4,983
	NO.	5	2	1	1	1	1	1	2	5
OUTLYING AREAS, TOTAL	AMT	25,320	13,634	5,418	93	2,278	1,668	266	3,911	11,686
	NO.	9	8	4	0	6	7	4	5	9
GUAM	AMT	430	16	0	0	16	0	0	0	414
	NO.	1	1	0	0	1	0	0	0	1
PUERTO RICO	AMT	24,126	13,178	5,106	93	2,246	1,646	243	3,844	10,948
	NO.	7	6	3	0	4	6	3	4	7
VIRGIN ISLANDS	AMT	764	440	312	0	16	22	23	67	324
	NO.	1	1	1	0	1	1	1	1	1

SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-6

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY GEOGRAPHIC DIVISION, STATE, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	3,480,150	214,597	105,836	9,673	241,773	37,521	27,160	2,263,406	22,617	134,054	387,737	10,824	24,952
NEW ENGLAND, TOTAL	341,295	9,443	15,268	1,313	47,731	3,311	2,295	174,096	2,131	36,243	46,126	1,588	1,750
MAINE	6,832	1,842	4	444	14	0	59	3,570	100	42	719	0	38
NEW HAMPSHIRE	19,357	1,329	41	258	498	0	69	13,684	133	1,188	2,157	0	0
VERMONT	10,221	1,341	37	0	209	0	21	8,100	102	0	305	106	0
MASSACHUSETTS	231,515	2,551	11,532	576	42,288	3,311	2,007	99,962	1,276	33,811	31,212	1,482	1,507
RHODE ISLAND	16,188	1,013	524	20	2,503	0	42	8,266	303	245	3,261	0	11
CONNECTICUT	57,182	1,367	3,130	15	2,219	0	97	40,514	217	957	8,472	0	194
MIDDLE ATLANTIC, TOTAL	569,573	18,453	23,024	1,782	30,448	2,199	3,850	398,508	2,578	13,197	70,268	1,414	3,852
NEW YORK	339,996	7,610	15,998	1,271	17,144	1,421	1,704	241,751	728	7,109	41,393	416	3,551
NEW JERSEY	55,629	2,574	2,801	267	2,900	531	493	32,779	196	3,615	9,197	255	21
PENNSYLVANIA	173,948	9,269	4,325	244	10,404	247	1,653	123,978	1,654	2,473	19,678	743	280
EAST NORTH CENTRAL, TOTAL	529,890	30,677	23,110	1,042	41,913	9,402	4,215	327,403	1,763	17,836	64,867	2,386	5,276
OHIO	110,017	7,096	2,326	100	9,888	143	701	77,106	905	1,339	9,103	848	822
INDIANA	64,773	5,475	3,422	100	2,482	0	502	36,929	243	3,071	10,911	287	1,352
ILLINOIS	154,882	6,752	9,353	324	18,438	477	987	90,236	345	5,861	19,872	360	677
MICHIGAN	121,246	6,070	4,841	273	9,206	1,224	957	74,766	312	4,676	16,486	775	1,660
WISCONSIN	79,772	5,284	3,168	245	1,499	7,558	1,068	48,367	358	2,849	8,495	116	765
WEST NORTH CENTRAL, TOTAL	315,180	27,865	3,053	61	7,121	484	2,071	241,560	2,882	7,318	20,994	330	1,441
MINNESOTA	84,098	5,187	1,850	0	1,715	347	1,028	65,217	458	2,892	4,627	159	628
IOWA	53,272	5,375	87	0	1,831	0	445	37,621	351	2,073	5,505	146	38
MISSOURI	94,021	5,908	376	6	2,828	0	311	77,743	390	1,094	4,929	25	411
NORTH DAKOTA	10,119	2,350	39	35	394	0	0	6,243	243	14	801	0	0
SOUTH DAKOTA	11,277	2,275	20	0	46	137	77	5,941	921	476	1,384	0	0
NEBRASKA	28,371	3,244	50	20	92	0	64	23,740	183	15	720	0	243
KANSAS	34,022	3,526	631	0	415	0	146	25,855	336	764	3,028	0	121
SOUTH ATLANTIC, TOTAL	508,571	39,712	8,824	1,213	25,760	8,499	4,206	355,657	2,485	11,530	41,054	2,817	6,814
DELAWARE	5,570	1,090	19	0	577	0	32	2,204	255	51	1,342	0	0
MARYLAND	80,129	2,674	3,405	207	4,555	125	297	55,923	233	4,635	7,493	460	122
DIST. OF COLUMBIA	98,447	679	217	220	4,164	6,420	217	82,359	35	1,437	2,263	279	157
VIRGINIA	44,989	5,762	443	0	1,583	0	40	30,651	443	2,230	3,712	2	123
WEST VIRGINIA	19,759	3,555	0	24	18	421	636	13,189	463	90	924	129	110
NORTH CAROLINA	104,894	9,263	1,834	144	6,248	545	914	70,203	250	846	9,691	164	4,792
SOUTH CAROLINA	24,887	5,162	128	6	437	150	661	15,815	163	165	1,241	159	0
GEORGIA	57,734	7,019	1,019	411	3,549	131	595	37,675	459	880	5,015	743	238
FLORIDA	72,962	4,508	1,759	201	4,629	507	814	47,638	184	1,196	9,373	881	1,272
EAST SOUTH CENTRAL, TOTAL	194,765	27,227	2,011	266	5,723	1,614	1,102	145,172	996	2,497	7,535	0	622
KENTUCKY	35,877	7,287	86	104	942	335	236	24,153	368	278	1,561	0	527
TENNESSEE	75,463	6,609	1,804	76	1,910	0	534	60,236	175	381	3,643	0	95
ALABAMA	53,802	6,549	105	14	2,454	646	142	49,873	353	1,641	1,025	0	0
MISSISSIPPI	29,623	6,782	16	72	417	633	190	19,910	100	197	1,306	0	0
WEST SOUTH CENTRAL, TOTAL	276,326	25,539	3,939	790	13,026	1,475	1,350	194,251	1,195	10,145	23,147	708	758
ARKANSAS	21,855	4,928	100	66	0	0	99	15,640	141	77	804	0	0
LOUISIANA	65,939	5,059	358	111	1,218	344	325	53,716	130	565	3,949	159	5
OKLAHOMA	31,936	4,378	97	311	1,790	0	420	19,594	226	1,065	3,747	270	38
TEXAS	156,596	11,174	3,384	302	10,018	1,131	506	105,301	701	8,438	14,647	279	715
MOUNTAIN, TOTAL	178,885	14,352	3,461	1,068	18,392	2,746	2,145	97,189	5,771	7,334	24,949	244	1,234
MONTANA	9,712	1,935	52	3	156	0	247	5,275	395	23	1,626	0	0
IDAHO	6,103	1,871	58	13	113	0	40	3,159	339	20	490	0	0
WYOMING	5,694	1,233	60	21	77	0	122	1,832	619	75	1,655	0	0
COLORADO	59,997	2,693	990	922	4,258	428	958	34,681	1,531	2,771	10,090	55	620
NEW MEXICO	26,254	1,992	72	20	6,501	987	87	11,732	926	2,393	1,780	164	0
ARIZONA	27,282	2,026	437	6	3,314	600	235	15,429	280	1,604	3,349	0	2
UTAH	32,582	1,610	1,566	57	3,662	731	410	22,145	1,053	442	5,229	25	612

NEW MEXICO	26,254	1,992	72	20	6,501	987	87	11,732	926	2,393	1,780	164	0
ARIZONA	27,282	2,026	437	6	3,314	600	235	15,429	280	1,604	3,349	0	2
UTAH	37,582	1,610	1,566	57	3,662	731	410	22,145	1,093	442	5,229	25	612
NEVADA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EAST NORTH CENTRAL, TOTAL	[illegible]	30,677	23,110	1,842	41,913	7,402	4,715	527,405	1,765	17,830	54,987	2,340	9,276
OHIO	110,017	7,096	2,326	100	9,888	143	701	77,106	905	1,379	9,103	848	822
INDIANA	64,773	5,475	3,422	100	2,482	0	502	36,929	243	3,071	10,911	287	1,352
ILLINOIS	154,082	6,752	9,353	324	18,838	477	987	90,236	345	5,861	19,872	360	677
MICHIGAN	121,246	6,070	4,841	273	9,206	1,224	957	74,766	312	4,676	16,486	775	1,660
WISCONSIN	79,772	5,284	3,168	245	1,499	7,558	1,068	48,367	358	2,849	8,495	116	765
WEST NORTH CENTRAL, TOTAL	315,180	27,865	3,053	61	7,121	484	2,071	241,560	2,882	7,318	20,994	330	1,441
MINNESOTA	84,098	5,187	1,850	0	1,715	347	1,028	65,217	458	2,882	4,627	159	628
IOWA	53,272	5,375	87	0	1,631	0	445	37,621	351	2,073	5,505	146	38
MISSOURI	94,021	5,908	376	6	2,828	0	311	77,743	390	1,094	4,929	25	411
NORTH DAKOTA	10,119	2,350	39	35	394	0	0	6,243	243	14	801	0	0
SOUTH DAKOTA	11,277	2,275	20	0	46	137	77	5,941	921	476	1,384	0	0
NEBRASKA	28,371	3,244	50	20	92	0	64	23,740	183	15	720	0	243
KANSAS	34,022	3,526	631	0	415	0	146	25,055	336	764	3,028	0	121
SOUTH ATLANTIC, TOTAL	508,571	39,712	8,824	1,213	25,760	8,499	4,206	355,657	2,485	11,530	41,054	2,817	6,814
DELAWARE	5,570	1,090	19	0	577	0	32	2,204	255	51	1,342	0	0
MARYLAND	80,129	2,674	3,405	207	4,555	125	297	55,923	233	4,635	7,493	460	122
DIST. OF COLUMBIA	98,447	679	217	220	4,164	6,420	217	82,359	35	1,437	2,263	279	157
VIRGINIA	44,989	5,762	443	0	1,583	0	40	30,651	443	2,230	3,712	2	123
WEST VIRGINIA	19,759	3,555	0	24	18	421	636	13,189	463	90	924	129	110
NORTH CAROLINA	104,894	9,263	1,834	144	6,248	545	914	70,203	250	846	9,691	164	4,792
SOUTH CAROLINA	24,087	5,162	128	6	437	150	661	15,815	163	165	1,241	159	0
GEORGIA	57,734	7,019	1,019	411	3,549	131	595	37,675	459	880	5,015	743	238
FLORIDA	72,962	4,508	1,759	201	4,629	507	814	47,638	184	1,196	9,373	881	1,272
EAST SOUTH CENTRAL, TOTAL	194,765	27,227	2,011	266	5,723	1,614	1,102	145,172	996	2,497	7,535	0	622
KENTUCKY	35,877	7,287	86	104	942	335	236	24,153	368	278	1,561	0	527
TENNESSEE	75,463	6,609	1,804	76	1,910	0	534	60,236	175	381	3,643	0	95
ALABAMA	53,802	6,549	105	14	2,454	646	142	40,873	353	1,641	1,025	0	0
MISSISSIPPI	29,623	6,782	16	72	417	433	190	19,910	100	197	1,306	0	0
WEST SOUTH CENTRAL, TOTAL	276,326	25,539	3,939	790	13,026	1,475	1,350	194,251	1,198	10,145	23,147	708	758
ARKANSAS	21,855	4,928	100	66	0	0	99	15,640	141	77	804	0	0
LOUISIANA	65,939	5,059	358	111	1,218	344	325	53,716	130	565	3,949	159	5
OKLAHOMA	31,936	4,378	97	311	1,790	0	420	19,594	226	1,065	3,747	270	38
TEXAS	156,596	11,174	3,384	302	10,018	1,131	506	105,301	701	8,438	14,647	279	715
MOUNTAIN, TOTAL	178,885	14,352	3,461	1,068	18,392	2,746	2,145	97,189	5,771	7,334	24,949	244	1,234
MONTANA	9,712	1,935	52	3	156	0	247	5,275	395	23	1,626	.0	0
IDAHO	6,103	1,871	58	13	113	0	40	3,159	339	20	490	0	0
WYOMING	5,694	1,233	60	21	77	0	122	1,832	619	75	1,655	0	0
COLORADO	59,997	2,693	990	922	4,258	428	958	34,681	1,931	2,771	10,090	55	620
NEW MEXICO	26,254	1,992	72	20	6,501	987	87	11,732	926	2,393	1,780	164	0
ARIZONA	27,282	2,026	437	6	3,314	600	235	15,429	280	1,604	3,349	0	2
UTAH	37,582	1,610	1,566	57	3,662	731	410	22,145	1,093	442	5,229	25	612
NEVADA	6,261	992	226	26	311	0	46	2,936	988	6	730	0	0
PACIFIC, TOTAL	540,345	16,044	19,970	2,080	51,639	7,791	5,926	314,070	2,713	27,700	88,370	1,337	2,705
WASHINGTON	73,666	3,307	2,778	1,207	5,483	236	943	46,933	954	650	11,227	148	200
OREGON	42,749	2,754	900	36	1,874	540	808	27,369	281	686	6,823	0	678
CALIFORNIA	394,525	7,557	15,425	366	39,964	6,475	3,614	228,932	1,958	24,732	63,186	1,189	1,327
ALASKA	9,571	1,033	172	425	2,340	0	157	2,000	197	582	2,665	0	0
HAWAII	19,834	1,393	695	46	1,978	340	404	8,836	123	1,050	4,469	0	500
OUTLYING AREAS, TOTAL	25,320	5,285	3,176	58	20	0	0	15,500	100	254	427	0	500
GUAM	430	0	0	0	0	0	0	430	0	0	0	0	0
PUERTO RICO	24,126	5,218	3,176	0	20	0	0	14,708	100	0	404	0	500
VIRGIN ISLANDS	764	67	0	58	0	0	0	362	0	254	23	0	0

* INCLUDES AID, HUD, AND LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-7

FEDERAL OBLIGATIONS FOR ACADEMIC SCIENCE, BY
GEOGRAPHIC DIVISION, STATE, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	2,335,868	214,597	105,836	7,637	241,773	16,378	27,160	1,142,338	22,982	134,054	397,737	10,824	24,952
NEW ENGLAND, TOTAL	279,233	9,443	15,268	764	47,731	1,241	2,295	114,653	2,131	36,243	46,126	1,588	1,750
MAINE	3,308	1,842	4	100	14	0	59	390	100	42	719	0	38
NEW HAMPSHIRE	11,903	1,329	41	258	498	0	69	6,230	133	1,188	2,157	0	0
VERMONT	6,478	1,341	37	0	209	0	21	4,357	102	0	305	106	0
MASSACHUSETTS	200,113	2,551	11,532	371	42,288	1,241	2,007	70,835	1,276	33,811	31,212	1,482	1,507
RHODE ISLAND	12,520	1,013	524	20	2,503	0	42	4,598	383	245	3,261	0	11
CONNECTICUT	44,911	1,367	3,130	15	2,219	0	97	28,243	217	957	8,472	0	194
MIDDLE ATLANTIC, TOTAL	403,050	18,453	23,024	1,246	30,448	1,308	3,850	233,412	2,978	13,197	70,268	1,414	3,852
NEW YORK	251,126	7,610	15,898	739	17,144	1,061	1,704	153,773	728	7,109	41,393	416	3,551
NEW JERSEY	34,758	2,574	2,801	267	2,900	0	493	12,439	196	3,615	9,197	255	21
PENNSYLVANIA	117,166	8,269	4,325	240	10,404	247	1,653	67,200	1,654	2,473	19,678	743	280
EAST NORTH CENTRAL, TOTAL	376,250	30,677	23,110	842	41,913	8,435	4,215	174,930	1,763	17,836	64,867	2,386	5,276
OHIO	72,005	7,096	2,326	0	9,888	143	701	39,194	505	1,379	9,103	848	822
INDIANA	44,935	5,475	3,422	100	2,482	0	502	17,090	243	3,071	10,911	287	1,352
ILLINOIS	113,627	6,752	9,353	319	18,838	0	787	50,263	345	5,861	19,872	360	677
MICHIGAN	85,651	6,070	4,841	178	9,206	931	957	39,559	312	4,676	16,486	775	1,660
WISCONSIN	60,032	5,284	3,168	245	1,499	7,361	1,060	28,824	358	2,849	8,495	116	765
WEST NORTH CENTRAL, TOTAL	168,660	27,865	3,053	61	7,121	210	2,071	95,339	2,857	7,318	20,994	330	1,441
MINNESOTA	46,361	5,187	1,850	0	1,715	210	1,028	27,617	458	2,882	4,627	159	628
IOWA	29,290	5,375	87	0	1,631	0	445	13,639	351	2,073	5,505	146	38
MISSOURI	51,285	5,908	376	6	2,828	0	311	35,007	390	1,094	4,929	25	411
NORTH DAKOTA	5,163	2,350	39	35	394	0	0	1,287	243	14	801	0	0
SOUTH DAKOTA	5,873	2,275	20	0	46	0	77	674	921	476	1,384	0	0
NEBRASKA	10,907	3,244	50	20	92	0	64	6,276	183	15	720	0	243
KANSAS	19,781	3,526	631	0	415	0	146	10,839	311	764	3,028	0	121
SOUTH ATLANTIC, TOTAL	297,717	39,712	8,824	788	25,760	1,548	4,206	152,179	2,485	11,530	41,054	2,817	6,814
DELAWARE	3,864	2,090	19	0	577	0	32	498	255	51	1,342	0	0
MARYLAND	62,790	2,674	3,405	67	4,555	125	297	38,724	233	4,635	7,493	460	122
DIST. OF COLUMBIA	25,320	679	217	40	4,164	753	217	15,079	35	1,437	2,263	279	157
VIRGINIA	27,918	5,762	443	0	1,583	0	40	13,580	443	2,230	3,712	2	123
WEST VIRGINIA	9,419	3,555	0	24	18	571	636	2,899	463	90	924	129	110
NORTH CAROLINA	74,728	9,263	1,834	144	6,248	99	914	40,483	250	846	9,691	164	4,792
SOUTH CAROLINA	11,102	5,162	128	6	437	0	661	2,980	163	165	1,241	159	0
GEORGIA	34,985	7,019	1,019	306	3,549	0	595	15,162	459	880	5,015	743	238
FLORIDA	47,591	4,508	1,759	201	4,629	0	814	22,774	184	1,196	9,373	881	1,272
EAST SOUTH CENTRAL, TOTAL	95,610	27,227	2,011	266	5,723	322	1,102	47,309	996	2,497	7,535	0	622
KENTUCKY	18,507	7,287	86	104	942	240	236	6,878	368	278	1,561	0	927
TENNESSEE	38,009	6,609	1,804	76	1,910	0	534	22,782	175	381	3,643	0	95
ALABAMA	25,740	6,549	105	14	2,454	0	142	13,457	353	1,641	1,025	0	0
MISSISSIPPI	13,354	6,782	16	72	417	82	190	4,192	100	197	1,306	0	0
WEST SOUTH CENTRAL, TOTAL	159,368	25,539	3,939	654	13,026	548	1,350	78,356	1,198	10,145	23,147	708	758
ARKANSAS	9,655	4,928	100	66	0	0	99	3,440	141	77	804	0	0
LOUISIANA	30,453	5,059	358	111	1,218	344	325	18,230	130	565	3,949	159	5
OKLAHOMA	18,607	4,378	97	311	1,790	0	420	6,265	226	1,065	3,747	270	38
TEXAS	100,653	11,174	3,384	166	10,018	204	506	50,421	701	8,438	14,647	279	715
MOUNTAIN, TOTAL	123,161	14,352	3,461	1,068	18,392	988	2,145	43,233	5,761	7,334	24,949	244	1,234
MONTANA	5,500	1,935	52	3	156	0	247	1,063	395	23	1,626	0	0
IDAHO	3,229	1,871	58	13	113	0	40	285	339	20	490	0	0
WYOMING	4,212	1,233	60	21	77	0	122	350	619	75	1,655	0	0
COLORADO	44,795	2,693	990	922	4,258	209	958	19,708	1,921	2,771	10,090	55	620
NEW MEXICO	17,035	1,992	72	20	6,501	179	87	3,321	926	2,393	1,780	164	0
ARIZONA	17,467	2,026	437	6	3,314	600	235	5,614	280	1,604	3,349	0	2
UTAH	26,985	1,610	1,566	57	3,662	0	410	12,279	1,093	442	5,229	25	612
NEVADA	3,938	992	226	26	311	0	46	613	988	6	730	0	0
PACIFIC, TOTAL	419,185	16,044	19,970	1,890	51,639	1,778	5,926	199,113	2,713	27,700	88,370	1,337	2,705

NEVADA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PACIFIC, TOTAL	419,185	16,044	19,970	1,890	51,639	1,778	5,926	199,113	2,713	27,700	88,370	1,337	2,705
WISCONSIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WEST NORTH CENTRAL, TOTAL	168,660	27,865	3,053	61	7,121	210	2,071	95,339	2,857	7,318	20,994	330	1,441
MINNESOTA	46,361	5,187	1,850	0	1,715	210	1,028	27,617	458	2,882	4,627	159	628
IOWA	29,290	5,375	87	0	1,631	0	445	13,639	351	2,073	5,505	146	38
MISSOURI	51,285	5,908	376	6	2,828	0	311	35,007	390	1,094	4,929	25	411
NORTH DAKOTA	5,163	2,350	39	35	394	0	0	1,287	243	14	801	0	0
SOUTH DAKOTA	5,873	2,275	20	0	46	0	77	674	921	476	1,384	0	0
NEBRASKA	10,907	3,244	50	20	92	0	64	6,276	183	15	720	0	243
KANSAS	19,781	3,526	631	0	415	0	146	10,839	311	764	3,078	0	121
SOUTH ATLANTIC, TOTAL	297,717	39,712	8,824	788	25,760	1,548	4,206	152,179	2,485	11,530	41,054	2,817	6,814
DELAWARE	3,864	1,090	19	0	577	0	32	498	255	51	1,342	0	0
MARYLAND	62,790	2,674	3,405	67	4,555	125	297	38,724	233	4,635	7,493	460	122
DIST. OF COLUMBIA	25,320	679	217	40	4,164	753	217	15,079	35	1,437	2,263	279	157
VIRGINIA	27,918	5,762	443	0	1,583	0	40	13,580	443	2,230	3,712	2	123
WEST VIRGINIA	9,419	3,555	0	24	18	571	636	2,899	463	90	924	129	110
NORTH CAROLINA	74,728	9,263	1,834	144	6,248	99	914	40,483	250	846	9,691	164	4,792
SOUTH CAROLINA	11,102	5,162	128	6	437	0	661	2,980	163	165	1,241	159	0
GEORGIA	34,985	7,019	1,019	306	3,549	0	595	15,162	459	880	5,015	743	238
FLORIDA	47,591	4,508	1,759	201	4,629	0	814	22,774	184	1,196	9,373	881	1,272
EAST SOUTH CENTRAL, TOTAL	95,610	27,227	2,011	266	5,723	322	1,102	47,309	996	2,497	7,535	0	622
KENTUCKY	18,507	7,287	86	104	942	240	236	6,878	368	278	1,561	0	527
TENNESSEE	38,009	6,609	1,804	76	1,910	0	534	22,782	175	381	3,643	0	95
ALABAMA	25,740	6,549	105	14	2,454	0	142	13,457	353	1,641	1,025	0	0
MISSISSIPPI	13,354	6,782	16	72	417	82	190	4,192	100	197	1,306	0	0
WEST SOUTH CENTRAL, TOTAL	159,368	25,539	3,939	654	13,026	548	1,350	78,356	1,198	10,145	23,147	708	758
ARKANSAS	9,655	4,928	100	66	0	0	99	3,440	141	77	804	0	0
LOUISIANA	30,453	5,059	358	111	1,218	344	325	18,230	130	565	3,949	159	5
OKLAHOMA	18,607	4,378	97	311	1,790	0	420	6,265	226	1,065	3,747	270	38
TEXAS	100,653	11,174	3,384	166	10,018	204	506	50,421	701	8,438	14,647	279	715
MOUNTAIN, TOTAL	123,161	14,352	3,461	1,068	18,392	988	2,145	43,233	5,761	7,334	24,949	244	1,234
MONTANA	5,500	1,935	52	3	156	0	247	1,063	395	23	1,626	0	0
IDAHO	3,229	1,871	58	13	113	0	40	285	339	20	490	0	0
WYOMING	4,212	1,233	60	21	77	0	122	350	619	75	1,655	0	0
COLORADO	44,795	2,693	990	922	4,258	209	958	19,708	1,521	2,771	10,090	55	620
NEW MEXICO	17,035	1,992	72	20	6,501	179	87	3,321	926	2,393	1,780	164	0
ARIZONA	17,467	2,026	437	6	3,314	600	235	5,614	280	1,604	3,349	0	2
UTAH	26,985	1,610	1,566	57	3,662	0	410	12,279	1,093	442	5,229	25	612
NEVADA	3,938	992	226	26	311	0	46	613	988	6	730	0	0
PACIFIC, TOTAL	419,185	16,044	19,970	1,890	51,639	1,778	5,926	199,113	2,713	27,700	88,370	1,337	2,705
WASHINGTON	58,716	3,307	2,778	1,207	5,483	0	943	32,219	954	650	11,227	148	200
OREGON	30,258	2,754	900	36	1,874	303	808	15,115	291	686	6,823	0	678
CALIFORNIA	306,898	7,557	15,425	176	39,964	1,135	3,614	147,035	1,958	24,732	63,186	1,189	1,327
ALASKA	8,462	1,033	172	425	2,340	0	157	891	197	582	2,665	0	0
HAWAII	14,851	1,393	695	46	1,978	340	404	3,853	123	1,050	4,469	0	500
OUTLYING AREAS, TOTAL	13,634	5,285	3,176	58	20	0	0	3,814	100	254	427	0	500
GUAM	16	0	0	0	0	0	0	16	0	0	0	0	0
PUERTO RICO	13,178	5,218	3,176	0	20	0	0	3,760	100	0	404	0	500
VIRGIN ISLANDS	440	67	0	58	0	0	0	38	0	254	23	0	0

* INCLUDES AID, HUD, AND LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

Table B-8 Distribution of Federal obligations to universities and colleges and degrees awarded by universities and colleges, by geographic division and State, various years

[Dollars in thousands]

Division and State	Total obligations	Total degrees awarded	Academic science obligations	R&D obligations	Degrees awarded in the sciences and engineering, 1969-70			M.D. & D.D.S. degrees
	FY 1971	1969-70	FY 1971	FY 1971	Ph.D.	Master's	Bachelor's	1969-70
United States, total	3,480,150	1,068,849	2,335,868	1,544,130	17,627	48,662	263,301	12,122
	Percent of U.S. total							
New England	9.81	7.38	11.95	13.58	8.95	7.82	7.61	4.84
Maine	.20	.45	.14	.09	.12	.27	.55	------
New Hampshire	.56	.45	.51	.43	.28	.38	.59	------
Vermont	.29	.34	.28	.26	.16	.11	.42	.48
Massachusetts	6.65	4.10	8.57	10.29	5.86	5.29	4.16	3.68
Rhode Island	.47	.57	.54	.61	.83	.58	.59	------
Connecticut	1.64	1.48	1.92	1.90	1.70	1.20	1.30	.68
Middle Atlantic	16.37	17.54	17.25	17.61	17.20	19.90	18.08	21.16
New York	9.77	9.46	10.75	11.21	10.17	11.98	9.52	11.28
New Jersey	1.60	2.27	1.49	1.55	2.14	2.58	2.17	1.34
Pennsylvania	5.00	5.81	5.02	4.85	4.88	5.33	6.39	8.59
East North Central	15.23	20.43	16.11	16.06	22.49	20.82	19.43	19.79
Ohio	3.16	5.02	3.08	2.62	4.00	3.96	4.77	4.44
Indiana	1.86	3.04	1.92	1.84	3.98	3.73	2.76	2.52
Illinois	4.43	5.17	4.86	5.26	6.64	5.84	4.91	6.48
Michigan	3.48	4.71	3.67	3.73	4.77	4.98	4.33	3.99
Wisconsin	2.29	2.49	2.57	2.63	3.10	2.31	2.66	2.36
West North Central	9.06	9.61	7.22	6.21	8.92	8.15	9.34	10.92
Minnesota	2.42	2.05	1.98	1.75	1.89	1.15	2.14	2.36
Iowa	1.53	1.66	1.25	1.02	2.25	1.19	1.79	1.35
Missouri	2.70	2.40	2.20	2.05	2.09	2.72	2.21	4.11
North Dakota	.29	.44	22	.16	.31	.56	.43	------
South Dakota	.32	.53	.25	.19	.17	.53	.54	------
Nebraska	.82	1.06	.47	.34	.59	.51	.87	2.12
Kansas	.98	1.48	.85	.71	1.63	1.47	1.37	.98
South Atlantic	14.61	12.42	12.75	11.67	11.44	10.70	12.29	15.53
Delaware	.16	.18	.17	.12	.29	.27	.22	------
Maryland	2.30	1.54	2.69	2.92	2.09	1.26	1.42	2.62
District of Columbia	2.83	1.11	1.08	1.08	1.45	2.06	.86	3.95
Virginia	1.29	1.62	1.20	.97	1.19	1.10	1.94	2.08
West Virginia	.57	.89	.40	.25	.57	.61	.86	.85
North Carolina	3.01	2.16	3.20	2.80	2.31	1.59	2.37	1.98
South Carolina	.69	.84	.48	.29	.47	.45	.86	.67
Georgia	1.66	1.71	1.50	1.27	1.13	1.43	1.74	2.22
Florida	2.10	2.38	2.04	1.96	1.95	1.93	2.03	1.15
East South Central	5.60	5.81	4.09	3.37	3.30	4.03	5.50	7.30
Kentucky	1.03	1.45	.79	.59	.68	.81	1.24	2.00
Tennessee	2.17	1.89	1.63	1.39	1.54	1.54	2.01	3.61
Alabama	1.55	1.48	1.10	1.01	.66	.99	1.42	1.06
Mississippi	.85	.99	.57	.38	.43	.69	.83	.62
West South Central	7.94	8.83	6.82	5.87	7.20	7.59	8.17	8.60
Arkansas	.63	.82	.41	.25	.29	.48	.80	.72
Louisiana	1.89	1.67	1.30	.88	1.25	1.24	1.54	2.43
Oklahoma	.92	1.48	.80	.54	1.53	1.43	1.20	.78
Texas	4.50	4.86	4.31	4.20	4.14	4.44	4.63	4.69
Mountain	5.14	5.15	5.27	5.41	5.45	5.85	5.16	1.35

Texas	4.50	4.86	4.31	4.20	4.14	4.44	4.63	4.69
Mountain	5.14	5.15	5.27	5.41	5.45	5.85	5.16	1.35
Connecticut	1.64	1.48	1.92	1.90	1.70	1.20	1.30	.68
Middle Atlantic	16.37	17.54	17.25	17.61	17.20	19.90	18.08	21.16
New York	9.77	9.46	10.75	11.21	10.17	11.98	9.52	11.28
New Jersey	1.60	2.27	1.49	1.55	2.14	2.58	2.17	1.34
Pennsylvania	5.00	5.81	5.02	4.85	4.88	5.33	6.39	8.59
East North Central	15.23	20.43	16.11	16.06	22.49	20.82	19.43	19.79
Ohio	3.16	5.02	3.08	2.62	4.00	3.96	4.77	4.44
Indiana	1.86	3.04	1.92	1.84	3.98	3.73	2.76	2.52
Illinois	4.43	5.17	4.86	5.26	6.64	5.84	4.91	6.48
Michigan	3.48	4.71	3.67	3.73	4.77	4.98	4.33	3.99
Wisconsin	2.29	2.49	2.57	2.63	3.10	2.31	2.66	2.36
West North Central	9.06	9.61	7.22	6.21	8.92	8.15	9.34	10.92
Minnesota	2.42	2.05	1.98	1.75	1.89	1.15	2.14	2.36
Iowa	1.53	1.66	1.25	1.02	2.25	1.19	1.79	1.35
Missouri	2.70	2.40	2.20	2.05	2.09	2.72	2.21	4.11
North Dakota	.29	.44	.22	.16	.31	.56	.43	------
South Dakota	.32	.53	.25	.19	.17	.53	.54	------
Nebraska	.82	1.06	.47	.34	.59	.51	.87	2.12
Kansas	.98	1.48	.85	.71	1.63	1.47	1.37	.98
South Atlantic	14.61	12.42	12.75	11.67	11.44	10.70	12.29	15.53
Delaware	.16	.18	.17	.12	.29	.27	.22	------
Maryland	2.30	1.54	2.69	2.92	2.09	1.26	1.42	2.62
District of Columbia	2.83	1.11	1.08	1.08	1.45	2.06	.86	3.95
Virginia	1.29	1.62	1.20	.97	1.19	1.10	1.94	2.08
West Virginia	.57	.89	.40	.25	.57	.61	.86	.85
North Carolina	3.01	2.16	3.20	2.80	2.31	1.59	2.37	1.98
South Carolina	.69	.84	.48	.29	.47	.45	.86	.67
Georgia	1.66	1.71	1.50	1.27	1.13	1.43	1.74	2.22
Florida	2.10	2.38	2.04	1.96	1.95	1.93	2.03	1.15
East South Central	5.60	5.81	4.09	3.37	3.30	4.03	5.50	7.30
Kentucky	1.03	1.45	.79	.59	.68	.81	1.24	2.00
Tennessee	2.17	1.89	1.63	1.39	1.54	1.54	2.01	3.61
Alabama	1.55	1.48	1.10	1.01	.66	.99	1.42	1.06
Mississippi	.85	.99	.57	.38	.43	.69	.83	.62
West South Central	7.94	8.83	6.82	5.87	7.20	7.59	8.17	8.60
Arkansas	.63	.82	.41	.25	.29	.48	.80	.72
Louisiana	1.89	1.67	1.30	.88	1.25	1.24	1.54	2.43
Oklahoma	.92	1.48	.80	.54	1.53	1.43	1.20	.78
Texas	4.50	4.86	4.31	4.20	4.14	4.44	4.63	4.69
Mountain	5.14	5.15	5.27	5.41	5.45	5.85	5.16	1.35
Montana	.28	.41	.24	.16	.28	.48	.42	------
Idaho	.18	.30	.14	.10	.15	.30	.30	------
Wyoming	.16	.17	.18	.13	.18	.30	.19	------
Colorado	1.72	1.53	1.92	2.04	1.90	1.41	1.54	.66
New Mexico	.75	.52	.73	.80	.44	.81	.56	.17
Arizona	.78	1.05	.75	.78	1.09	1.34	.86	------
Utah	1.08	1.05	1.16	1.22	1.37	1.10	1.15	.52
Nevada	.18	.12	.17	.17	.05	.12	.13	------
Pacific	15.53	12.15	17.95	19.86	15.04	14.96	13.72	9.76
Washington	2.12	1.72	2.51	2.62	1.80	1.53	1.92	1.33
Oregon	1.23	1.28	1.30	1.30	1.36	1.27	1.19	1.30
California	11.34	8.76	13.14	14.76	11.55	11.50	10.21	7.13
Alaska	.28	.05	.36	.48	.04	.15	.05	------
Hawaii	.57	.34	.64	.71	.28	.51	.35	------
Outlying areas [a]	.73	.67	.58	.35	.01	.20	.69	.74

[a] Includes Puerto Rico, Virgin Islands, and Guam. The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

TABLE B-9

FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN DESCENDING ORDER OF AMOUNTS RECEIVED, BY INSTITUTION AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	ACADEMIC SCIENCE: R&D PLANT	ACADEMIC SCIENCE: FACIL. FOR INSTR. IN SCI. & ENG	ACADEMIC SCIENCE: FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	ACADEMIC SCIENCE: GENERAL SUPPORT FOR SCIENCE	ACADEMIC SCIENCE: OTHER SCIENCE	NON-SCIENCE
	UNITED STATES, TOTAL	3,480,150	2,335,868	1,544,130	29,942	28,729	421,029	99,669	212,369	1,144,282
1	MASS INST OF TECH	89,574	88,823	81,5[illegible]	1,050	29	4,507	376	1,330	751
2	UNIV OF MINNESOTA	72,534	43,812	26,70[illegible]	2,983	11	8,909	1,031	4,171	28,722
3	UNIV OF MICHIGAN	60,881	53,505	40,819	103	375	9,057	987	2,164	7,376
4	UNIV OF WISCONSIN MADISON	57,320	52,124	36,871	136	47	8,786	2,311	3,973	5,196
5	UNIV OF WASHINGTON	56,535	49,576	36,079	127	708	9,795	2,334	533	6,959
6	STANFORD UNIV	54,648	52,280	41,786	0	211	8,084	916	1,283	2,368
7	HARVARD UNIV	54,037	50,119	37,109	215	15	11,320	968	492	3,918
8	UNIV OF CAL LOS ANGELES	54,030	47,574	36,825	553	29	7,728	998	1,441	6,456
9	UNIV OF CAL BERKELEY	52,279	46,725	32,979	37	20	6,995	667	6,027	5,554
10	COLUMBIA UNIV	52,219	47,450	37,589	191	648	8,111	851	60	4,769
	TOTAL 1ST 10 INSTS.	604,057	531,988	408,295	5,395	2,093	83,292	11,439	21,474	72,069
11	HOWARD UNIV	51,543	3,361	1,807	0	0	1,361	87	106	48,182
12	UNIV OF CAL SAN DIEGO	49,650	47,553	36,593	4,900	2,015	2,808	1,187	50	2,097
13	JOHNS HOPKINS UNIV	45,548	39,070	28,955	35	95	8,762	852	371	6,478
14	UNIV OF ILLINOIS-URBANA	44,244	41,538	31,331	426	7	3,937	376	5,461	2,706
15	OHIO STATE UNIV	42,160	32,119	15,546	0	0	4,242	574	11,757	10,041
16	UNIV OF PENNSYLVANIA	41,385	36,405	25,241	62	52	8,561	2,387	102	4,980
17	CORNELL UNIV	41,367	38,953	23,893	2,744	18	5,515	820	5,963	2,414
18	NEW YORK UNIV	40,496	29,866	20,780	91	38	8,217	639	101	10,630
19	YALE UNIV	38,400	33,572	23,092	258	0	7,919	2,198	105	4,828
20	UNIV OF CHICAGO	37,819	34,615	26,479	202	0	7,345	551	38	3,204
	TOTAL 1ST 20 INSTS.	1,036,669	869,040	642,012	14,113	4,318	141,959	21,110	45,528	167,629
21	UNIV OF COLORADO	32,720	24,141	16,447	35	0	4,937	1,870	852	8,579
22	UNIV OF SOUTHERN CAL	30,733	21,341	14,978	413	499	4,671	544	236	9,392
23	UNIV OF N C AT CHAP HILL	30,321	24,838	16,160	6	0	6,149	2,297	226	5,483
24	DUKE UNIV	29,157	25,509	16,714	223	413	6,210	1,155	794	3,648
25	WASHINGTON UNIV	28,480	25,226	18,224	0	0	6,151	836	15	3,254
26	UNIV OF CAL SAN FRANCISCO	26,906	22,775	16,064	142	0	6,054	494	21	4,131
27	MICHIGAN STATE UNIV	26,810	20,314	10,957	285	0	3,746	617	4,709	6,496
28	UNIV OF UTAH	26,072	18,198	12,786	252	0	3,787	1,234	139	7,874
29	UNIV OF PITTSBURGH	25,931	17,990	10,984	38	0	5,580	671	717	7,941
30	UNIV OF ROCHESTER	25,497	22,906	16,633	258	64	4,517	1,375	59	2,591
	TOTAL 1ST 30 INSTS.	1,319,296	1,092,278	791,959	15,765	5,294	193,761	32,203	53,296	227,018
31	YESHIVA UNIV	24,926	20,413	14,458	0	0	5,433	514	8	4,513
32	UNIV OF IOWA	24,914	17,878	10,798	0	0	3,944	2,383	753	7,036
33	UNIV OF TEXAS AT AUSTIN	24,666	20,237	14,116	20	190	3,323	1,918	670	4,429
34	PENNSYLVANIA STATE UNIV	24,629	21,260	12,386	25	167	2,428	487	5,767	3,369
35	PURDUE UNIV	24,443	22,280	14,728	21	53	2,593	817	4,068	2,163
36	UNIV OF FLORIDA	23,357	18,723	10,368	41	19	4,736	494	3,065	4,634
37	CASE WESTERN RESERVE UNIV	22,979	19,240	12,259	15	0	6,310	595	61	3,739
38	UNIV OF MIAMI	22,848	16,649	12,424	14	1,260	2,392	441	118	6,199
39	UNIV OF MISSOURI COLUMBIA	22,348	15,986	7,343	840	5	2,914	649	4,235	6,362
40	NORTHWESTERN UNIV	22,245	16,148	11,052	0	57	4,415	503	121	6,097
	TOTAL 1ST 40 INSTS.	1,556,651	1,281,092	911,891	16,741	7,045	232,249	41,004	72,162	275,559
41	CAL INST OF TECH	20,490	20,456	17,074	0	290	1,633	1,420	39	34
42	TEXAS A & M UNIV	20,479	19,425	9,486	145	329	443	668	8,354	1,054
43	LA ST U MED CT SHREVEPORT	20,475	4,958	0	4,958	0	0	0	0	15,517
44	U OF ALA IN BIRMINGHAM	19,516	10,970	8,823	0	11	1,525	592	19	8,546
45	RUTGERS UNIVERSITY	19,489	14,537	8,143	13	44	2,356	1,419	2,562	4,952
46	UNIV OF HAWAII	19,011	14,351	11,021	28	724	1,295	395	888	4,660
47	UNIV OF KENTUCKY	18,701	14,070	7,243	0	182	1,808	356	4,481	4,631
48	N C STATE UNIV AT RALEIGH	18,174	17,377	7,269	70	122	908	1,261	7,747	797
49	UNIV OF CAL DAVIS	18,141	14,784	11,408	222	470	1,754	890	40	3,357
50	UNIV OF ARIZONA	18,100	14,077	10,148	28	10	2,152	256	1,483	4,023
	TOTAL 1ST 50 INSTS.	1,749,227	1,426,097	1,002,506	22,205	9,227	246,123	48,261	97,775	323,130
51	ST LOUIS UNIV	18,044	6,737	4,504	535	0	1,268	261	169	11,307
52	TEMPLE UNIV	17,647	11,407	8,735	0	0	2,117	482	73	6,240
53	IOWA ST U OF SCIENCE&TECH	17,369	9,587	4,676	462	30	768	240	3,411	7,782
54	UNIV OF KANSAS	17,130	12,513	7,847	3	0	3,411	1,152	100	4,617
55	MEHARRY MEDICAL COL	16,883	2,385	1,627	0	0	676	80	2	14,498
56	UNIV OF MD COLLEGE PARK	16,877	14,918	10,389	54	13	1,182	1,237	2,043	1,959

54 UNIV OF KANSAS	17,130	12,513	7,847	3	0	3,411	1,152	100	4,617
55 MEHARRY MEDICAL COL	16,883	2,385	1,627	0	0	676	80	2	14,498
56 UNIV OF MD COLLEGE PARK	16,877	14,918	10,389	54	13	1,182	1,237	2,043	1,959
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17 CORNELL UNIV	41,367	38,953	23,893	2,744	18	5,515	820	5,963	2,414
18 NEW YORK UNIV	40,496	29,866	20,780	91	38	8,217	639	101	10,630
19 YALE UNIV	38,400	33,572	23,092	258	0	7,919	2,198	105	4,828
20 UNIV OF CHICAGO	37,819	34,615	26,479	202	0	7,345	551	38	3,204
TOTAL 1ST 20 INSTS.	1,036,669	869,040	642,012	14,113	4,318	141,959	21,110	45,526	167,629
21 UNIV OF COLORADO	32,720	24,141	16,447	35	0	4,937	1,870	852	8,579
22 UNIV OF SOUTHERN CAL	30,733	21,341	14,978	413	499	4,671	544	236	9,392
23 UNIV OF N C AT CHAP HILL	30,321	24,838	16,160	6	0	6,149	2,297	226	5,483
24 DUKE UNIV	29,157	25,509	16,714	223	413	6,210	1,155	794	3,648
25 WASHINGTON UNIV	28,489	25,226	18,224	0	0	6,151	836	15	3,254
26 UNIV OF CAL SAN FRANCISCO	26,906	22,775	16,064	142	0	6,054	494	21	4,131
27 MICHIGAN STATE UNIV	26,810	20,314	10,957	285	0	3,746	617	4,709	6,496
28 UNIV OF UTAH	26,072	18,198	12,786	252	0	3,787	1,234	139	7,874
29 UNIV OF PITTSBURGH	25,931	17,990	10,984	38	0	5,580	671	717	7,941
30 UNIV OF ROCHESTER	25,497	22,906	16,633	258	64	4,517	1,375	59	2,591
TOTAL 1ST 30 INSTS.	1,319,296	1,092,278	791,959	15,765	5,294	193,761	32,203	53,296	227,018
31 YESHIVA UNIV	24,926	20,413	14,458	0	0	5,433	514	8	4,513
32 UNIV OF IOWA	24,914	17,878	10,798	0	0	3,944	2,383	753	7,036
33 UNIV OF TEXAS AT AUSTIN	24,666	20,237	14,116	20	190	3,323	1,918	670	4,429
34 PENNSYLVANIA STATE UNIV	24,629	21,260	12,386	25	167	2,428	487	5,767	3,369
35 PURDUE UNIV	24,443	22,280	14,728	21	53	2,593	817	4,068	2,163
36 UNIV OF FLORIDA	23,357	18,723	10,368	41	19	4,736	494	3,065	4,634
37 CASE WESTERN RESERVE UNIV	22,979	19,240	12,259	15	0	6,310	595	61	3,739
38 UNIV OF MIAMI	22,848	16,649	12,424	14	1,260	2,392	441	116	6,199
39 UNIV OF MISSOURI COLUMBIA	22,348	15,986	7,343	840	5	2,914	649	4,235	6,362
40 NORTHWESTERN UNIV	22,245	16,148	11,052	0	57	4,415	503	121	6,097
TOTAL 1ST 40 INSTS.	1,556,651	1,281,092	911,891	16,741	7,045	232,249	41,004	72,162	275,559
41 CAL INST OF TECH	20,490	20,456	17,074	0	290	1,633	1,420	39	34
42 TEXAS A & M UNIV	20,479	19,425	9,486	145	329	443	668	8,354	1,054
43 LA ST U MED CT SHREVEPORT	20,475	4,958	0	4,958	0	0	0	0	15,517
44 U OF ALA IN BIRMINGHAM	19,516	10,970	8,823	0	11	1,525	592	19	8,546
45 RUTGERS UNIVERSITY	19,489	14,537	8,143	13	44	2,356	1,419	2,562	4,952
46 UNIV OF HAWAII	19,011	14,351	11,021	28	724	1,295	395	888	4,660
47 UNIV OF KENTUCKY	18,701	14,070	7,243	0	182	1,808	356	4,481	4,631
48 N C STATE UNIV AT RALEIGH	18,174	17,377	7,269	70	122	908	1,261	7,747	797
49 UNIV OF CAL DAVIS	18,141	14,784	11,408	222	470	1,754	890	40	3,357
50 UNIV OF ARIZONA	18,100	14,077	10,148	28	10	2,152	256	1,483	4,023
TOTAL 1ST 50 INSTS.	1,749,227	1,426,097	1,002,506	22,205	9,227	246,123	48,261	97,775	323,130
51 ST LOUIS UNIV	18,044	6,737	4,504	535	0	1,268	261	169	11,307
52 TEMPLE UNIV	17,647	11,407	8,735	0	0	2,117	482	73	6,240
53 IOWA ST U OF SCIENCE&TECH	17,369	9,587	4,676	462	30	768	240	3,411	7,782
54 UNIV OF KANSAS	17,130	12,513	7,847	3	0	3,411	1,152	100	4,617
55 MEHARRY MEDICAL COL	16,883	2,385	1,627	0	0	676	80	2	14,498
56 UNIV OF MD COLLEGE PARK	16,877	14,918	10,389	54	13	1,182	1,237	2,043	1,959
57 UNIV OF GEORGIA	16,845	14,235	6,884	0	100	1,335	208	5,708	2,610
58 BAYLOR COL OF MEDICINE	16,811	14,334	11,125	0	0	2,161	383	665	2,477
59 VANDERBILT UNIV	16,347	13,311	9,269	0	0	3,018	834	191	3,036
60 U TEX SW MED SCH DALLAS	16,298	9,783	5,365	1,938	0	2,134	340	6	6,515
61 PRINCETON UNIV	16,145	13,167	13,284	116	0	1,470	259	38	978
62 BOSTON UNIV	15,445	11,551	6,471	0	0	4,569	401	110	3,894
63 SUNY ST U BUFFALO	15,305	10,881	7,338	0	0	2,875	533	135	4,424
64 COLORADO STATE UNIV	15,155	13,194	10,278	39	0	801	256	1,820	1,961

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CONTINUED

FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN DESCENDING ORDER OF AMOUNTS RECEIVED, BY INSTITUTION AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON-SCIENCE
65	TULANE UNIV	15,048	11,488	6,863	0	2	3,026	1,438	159	3,560
66	UNIV OF ARK	14,756	9,224	3,789	0	177	1,303	306	3,649	5,532
67	OREGON STATE UNIV	14,465	12,963	9,486	4	425	848	192	2,006	1,502
68	NEW YORK MEDICAL COL	14,025	4,028	3,009	0	0	735	277	7	9,997
69	UNIV OF TENN AT KNOXVILLE	14,024	12,157	5,210	89	11	1,818	176	4,853	1,867
70	UNIV OF VIRGINIA	13,922	10,353	6,279	12	0	2,936	620	506	3,569
71	INDIANA UNIV-BLOOMINGTON	13,497	9,743	6,345	156	38	2,094	157	953	3,754
72	WOODS HOLE OCEAN INST	13,493	13,493	11,247	0	1,935	32	101	178	0
73	GEORGETOWN UNIV	13,476	5,871	4,018	0	11	1,393	344	105	7,605
74	TUFTS UNIV	12,985	6,522	4,608	397	0	1,188	290	39	6,463
75	GEORGE WASHINGTON UNIV	12,698	8,913	6,795	0	70	1,267	262	519	3,785
76	DARTMOUTH COL	12,485	7,839	4,018	1,697	0	1,136	280	708	4,646
77	INDIANA UNIV-INDIANAPOLIS	12,434	5,471	3,454	0	0	1,686	319	12	6,963
78	UNIV OF OKLAHOMA	12,134	7,816	3,896	12	0	2,568	397	943	4,318
79	WEST VIRGINIA UNIV	11,913	8,173	3,336	46	0	1,918	375	2,496	3,740
80	WAYNE STATE UNIV	11,865	7,016	4,083	0	12	2,318	379	224	4,849
81	EMORY UNIV	11,717	9,190	5,378	0	42	2,676	944	150	2,527
82	UNIV OF CONNECTICUT	11,585	8,888	5,220	0	12	2,156	343	1,157	2,697
83	UNIV OF CINCINNATI	11,375	7,818	4,169	0	0	3,111	305	233	3,557
84	UNIV OF NEW MEXICO	11,005	5,752	4,189	0	41	1,175	220	127	5,253
85	OKLAHOMA STATE UNIV	11,003	9,257	4,100	0	0	823	389	3,945	1,746
86	AUBURN UNIV	10,999	9,145	3,779	0	0	585	63	4,718	1,854
87	CUNY MT SINAI SCH OF MED	10,988	10,165	7,173	0	0	2,437	382	173	823
88	UNIV OF OREGON - EUGENE	10,846	8,682	5,553	6	0	2,207	711	205	2,164
89	UNIV OF MISSOURI KAN CITY	10,766	480	298	0	0	52	88	42	10,286
90	NEW MEXICO STATE UNIV	10,672	9,573	6,983	0	0	288	149	2,153	1,099
91	UNIV OF MD BALTIMORE	10,479	7,624	5,447	0	0	1,907	268	102	2,855
92	CARNEGIE MELLON UNIV	10,436	9,907	6,860	0	0	708	2,112	227	529
93	U TEX HOUSTON MED SCHOOL	10,204	7,644	6,715	0	0	634	286	9	2,560
94	U OF TENN MED UNITS MEMPH	10,181	5,474	3,865	0	0	1,254	228	127	4,707
95	LA ST UNIV BATON ROUGE	10,065	9,105	4,325	0	137	730	98	3,815	960
96	KANSAS STATE UNIV	9,855	6,135	2,902	12	4	519	228	2,570	3,720
97	UNIV OF MASS AMHERST	9,741	7,559	4,307	80	72	749	692	1,659	2,182
98	UNIV OF NEBRASKA-LINCOLN	9,699	6,700	3,530	0	18	868	168	2,116	2,999
99	FLORIDA STATE UNIV	9,629	8,629	5,530	47	50	2,144	223	635	1,000
100	GALLAUDET COL	9,504	495	244	0	0	240	11	0	9,009
	TOTAL 100 INSTS.	2,405,497	1,875,392	1,287,200	27,910	12,427	325,337	68,748	153,770	530,105

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TOTAL FEDERAL OBLIGATIONS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	3,480,150	214,597	105,836	9,673	241,773	37,521	27,160	2,263,406	22,617	134,054	387,737	10,824	24,952
	TOTAL, 100 INSTITUTIONS	2,405,497	166,324	91,265	5,745	193,789	28,218	19,670	1,460,201	13,408	115,493	285,159	7,478	18,747
1	MASS INST OF TECH	89,574	30	7,784	194	26,979	0	382	12,572	807	28,018	11,291	1,271	246
2	UNIV OF MINNESOTA	72,534	5,187	1,850	0	1,715	227	1,017	55,322	453	2,882	3,094	159	628
3	UNIV OF MICHIGAN	60,881	91	2,792	178	8,320	741	554	32,365	130	4,541	10,219	360	588
4	UNIV OF WISCONSIN MADISON	57,320	5,281	2,965	218	1,311	7,361	607	29,057	323	2,766	6,736	0	695
5	UNIV OF WASHINGTON	56,535	133	2,483	1,207	5,309	0	630	34,939	211	650	8,825	148	0
6	STANFORD UNIV	54,648	0	623	21	9,803	0	413	27,133	66	4,674	10,843	120	952
7	HARVARD UNIV	54,037	0	1,928	102	3,318	868	516	35,760	36	5,065	5,645	100	709
8	UNIV OF CAL LOS ANGELES	54,030	85	4,928	0	4,226	292	548	35,719	304	2,667	4,575	599	85
9	UNIV OF CAL BERKELEY	52,279	5,932	586	57	4,714	1,524	608	21,681	440	7,360	9,082	210	85
10	COLUMBIA UNIV	52,219	0	4,896	428	3,952	700	74	31,354	98	2,402	7,929	0	386
11	HOWARD UNIV	51,543	7	89	180	0	5,095	33	45,863	0	170	94	0	12
12	UNIV OF CAL SAN DIEGO	49,650	0	2,112	50	10,639	1,154	203	14,225	0	3,961	17,271	35	0
13	JOHNS HOPKINS UNIV	45,548	0	1,030	50	2,243	0	168	36,307	63	2,254	2,866	445	122
14	UNIV OF ILLINOIS-URBANA	44,244	6,709	4,061	0	14,159	144	441	10,587	299	755	6,481	35	573
15	OHIO STATE UNIV	42,160	7,096	818	100	3,185	0	159	25,720	287	521	3,427	79	768
16	UNIV OF PENNSYLVANIA	41,385	34	1,531	0	3,449	247	89	29,703	103	425	5,555	185	64
17	CORNELL UNIV	41,367	7,362	1,579	2	3,306	0	225	17,272	297	907	9,844	0	573
18	NEW YORK UNIV	40,496	15	1,779	41	2,239	0	565	32,371	35	787	2,429	58	177
19	YALE UNIV	38,400	16	2,974	0	1,387	0	14	26,620	71	530	6,594	0	194
20	UNIV OF CHICAGO	37,819	0	4,772	324	1,658	0	89	21,037	0	3,523	6,323	0	93
21	UNIV OF COLORADO	32,720	75	751	570	1,341	209	97	23,244	122	1,866	4,387	55	3
22	UNIV OF SOUTHERN CAL	30,733	87	391	0	2,828	2,294	480	21,196	11	884	2,157	225	180
23	UNIV OF N C AT CHAP HILL	30,321	0	412	129	1,282	78	405	21,242	0	125	3,409	0	3,239
24	DUKE UNIV	29,157	0	842	15	4,374	140	9	20,603	20	167	2,471	16	500
25	WASHINGTON UNIV	28,480	0	279	0	1,539	0	0	23,616	0	876	1,868	0	302
26	UNIV OF CAL SAN FRANCISCO	26,906	0	818	0	320	0	9	25,363	0	106	290	0	0
27	MICHIGAN STATE UNIV	26,810	5,930	1,835	0	256	306	353	13,315	166	69	3,406	211	961
28	UNIV OF UTAH	26,072	0	1,444	20	2,506	731	275	19,052	179	341	2,419	0	85
29	UNIV OF PITTSBURGH	25,931	3	443	4	1,169	0	273	20,836	175	721	2,159	148	0
30	UNIV OF ROCHESTER	25,497	0	4,635	0	1,573	0	37	15,067	0	192	3,983	0	10
31	YESHIVA UNIV	24,926	0	103	0	378	0	0	23,583	0	0	862	0	0
32	UNIV OF IOWA	24,914	0	58	0	1,048	0	345	17,758	53	2,023	3,483	146	0
33	UNIV OF TEXAS AT AUSTIN	24,666	10	1,136	14	5,978	174	182	10,120	109	1,539	5,236	0	168
34	PENNSYLVANIA STATE UNIV	24,629	8,232	439	28	1,434	0	565	9,963	1,083	663	3,132	87	0
35	PURDUE UNIV	24,443	5,474	1,666	100	1,963	0	306	7,213	209	2,745	3,939	78	750
36	UNIV OF FLORIDA	23,357	4,469	384	0	998	0	633	14,066	179	562	1,916	0	150
37	CASE WESTERN RESERVE UNIV	22,979	0	1,188	0	1,065	0	116	17,730	163	591	2,097	0	39
38	UNIV OF MIAMI	22,848	0	320	127	2,500	262	57	14,911	0	435	3,538	696	0
39	UNIV OF MISSOURI COLUMBIA	22,348	5,890	40	6	915	0	143	13,551	180	192	1,340	10	84
40	NORTHWESTERN UNIV	22,245	4	184	0	1,662	250	321	15,411	20	1,436	2,782	175	0
41	CAL INST OF TECH	20,490	0	2,397	0	1,489	0	215	4,637	295	4,179	7,288	0	0
42	TEXAS A & M UNIV	20,479	11,070	1,061	269	1,846	0	90	1,796	168	759	3,215	204	1
43	LA ST U MED CT SHREVEPORT	20,475	0	0	0	0	0	0	20,475	0	0	0	0	0
44	U OF ALA IN BIRMINGHAM	19,516	0	0	0	760	0	0	18,603	0	0	153	0	0
45	RUTGERS UNIVERSITY	19,489	2,574	94	0	267	531	368	11,225	196	110	4,110	0	14
46	UNIV OF HAWAII	19,011	1,393	695	46	1,978	340	404	8,513	123	1,050	4,469	0	0
47	UNIV OF KENTUCKY	18,701	7,268	79	104	697	0	220	8,615	368	248	575	0	527
48	N C STATE UNIV AT RALEIGH	18,174	9,198	511	0	342	228	445	3,662	201	446	2,274	0	867
49	UNIV OF CAL DAVIS	18,141	929	2,338	0	269	498	204	11,529	11	290	2,073	0	0
50	UNIV OF ARIZONA	18,100	1,997	348	6	3,064	0	235	8,207	269	1,528	2,446	0	0
51	ST LOUIS UNIV	18,044	0	0	0	92	0	0	17,511	0	0	431	0	10
52	TEMPLE UNIV	17,647	0	98	0	86	0	20	16,516	0	27	660	40	200
53	IOWA ST U OF SCIENCE&TECH	17,369	5,375	29	0	583	0	100	9,997	298	45	964	0	38
54	UNIV OF KANSAS	17,130	0	400	0	192	0	69	14,046	138	685	1,600	0	0
55	MEHARRY MEDICAL COL	16,883	0	0	0	488	0	0	16,385	0	0	10	0	0
56	UNIV OF MD COLLEGE PARK	16,877	2,660	2,375	17	1,577	125	85	3,504	170	2,120	4,229	15	0
57	UNIV OF GEORGIA	16,845	6,994	537	306	253	0	111	5,727	185	203	2,329	0	200
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	286	73	0	0

56	UNIV OF MD COLLEGE PARK	16,877	2,660	2,375	17	1,577	125	85	3,504	170	2,120	4,229	15	0
57	UNIV OF GEORGIA	16,845	6,994	537	336	253	0	111	5,727	185	203	2,329	0	200
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	CORNELL UNIV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	NEW YORK UNIV	40,496	15	1,779	41	2,239	0	565	32,371	35	787	2,429	56	177
19	YALE UNIV	38,400	16	2,974	0	1,387	0	14	26,620	71	530	6,594	0	194
20	UNIV OF CHICAGO	37,919	0	4,772	324	1,658	0	89	21,037	0	3,523	6,323	0	93
21	UNIV OF COLORADO	32,720	75	751	570	1,341	209	97	23,244	122	1,866	4,387	55	3
22	UNIV OF SOUTHERN CAL	30,733	87	391	0	2,828	2,294	480	21,196	11	884	2,157	275	180
23	UNIV OF N C AT CHAP HILL	30,321	0	422	129	1,282	78	405	21,242	0	125	3,409	0	3,239
24	DUKE UNIV	29,157	0	842	15	4,374	140	9	20,603	20	167	2,471	16	500
25	WASHINGTON UNIV	28,480	0	279	0	1,539	0	0	23,616	0	876	1,866	0	302
26	UNIV OF CAL SAN FRANCISCO	26,906	0	818	0	320	0	9	25,363	0	106	290	0	0
27	MICHIGAN STATE UNIV	26,810	5,930	1,835	0	256	306	353	13,315	166	69	3,488	211	961
28	UNIV OF UTAH	26,072	0	1,444	20	2,536	731	275	18,052	179	361	2,419	0	85
29	UNIV OF PITTSBURGH	25,931	3	443	4	1,169	0	273	20,836	175	721	2,159	148	0
30	UNIV OF ROCHESTER	25,497	0	4,635	0	1,573	0	37	15,067	0	192	3,983	0	10
31	YESHIVA UNIV	24,926	0	103	0	378	0	0	23,583	0	0	862	0	0
32	UNIV OF IOWA	24,914	0	58	0	1,048	0	345	17,759	53	2,023	3,483	146	0
33	UNIV OF TEXAS AT AUSTIN	24,666	10	1,136	14	3,978	174	187	10,120	109	1,539	5,236	0	168
34	PENNSYLVANIA STATE UNIV	24,629	8,232	439	28	1,434	0	565	9,963	1,083	663	3,132	97	0
35	PURDUE UNIV	24,443	5,474	1,666	100	1,963	0	306	7,213	209	2,745	3,939	78	750
36	UNIV OF FLORIDA	23,357	4,469	384	0	998	0	633	14,066	179	562	1,916	0	150
37	CASE WESTERN RESERVE UNIV	22,979	0	1,188	0	1,065	0	116	17,730	163	591	2,097	0	39
38	UNIV OF MIAMI	22,848	0	320	127	2,500	262	57	14,911	0	435	3,538	698	0
39	UNIV OF MISSOURI COLUMBIA	22,348	5,890	40	6	915	0	140	13,551	180	192	1,340	10	84
40	NORTHWESTERN UNIV	22,245	4	184	0	1,662	250	321	15,411	20	1,436	2,782	175	0
41	CAL INST OF TECH	20,490	0	2,397	0	1,489	0	215	4,637	285	4,179	7,288	0	0
42	TEXAS A & M UNIV	20,479	11,070	1,061	269	1,846	0	90	1,796	168	759	3,215	204	1
43	LA ST U MED CT SHREVEPORT	20,475	0	0	0	0	0	0	20,475	0	0	0	0	0
44	U OF ALA IN BIRMINGHAM	19,516	0	0	0	760	0	0	19,603	0	0	153	0	0
45	RUTGERS UNIVERSITY	19,489	2,574	94	0	247	531	368	11,225	196	110	4,110	0	14
46	UNIV OF HAWAII	19,011	1,393	695	46	1,978	340	404	8,513	123	1,050	4,469	0	0
47	UNIV OF KENTUCKY	18,701	7,268	79	104	697	0	220	8,615	368	248	575	0	527
48	N C STATE UNIV AT RALEIGH	18,174	9,198	511	0	342	228	445	3,662	201	446	2,274	0	867
49	UNIV OF CAL DAVIS	18,141	929	2,338	0	269	498	204	11,529	11	290	2,073	0	0
50	UNIV OF ARIZONA	18,100	1,997	348	6	3,064	0	235	8,207	269	1,528	2,446	0	0
51	ST LOUIS UNIV	18,044	0	0	0	92	0	0	17,511	0	0	431	0	10
52	TEMPLE UNIV	17,647	0	98	0	86	0	20	16,516	0	27	660	40	200
53	IOWA ST U OF SCIENCE&TECH	17,369	5,375	29	0	583	0	100	9,997	298	45	904	0	38
54	UNIV OF KANSAS	17,130	0	400	0	192	0	69	14,046	138	645	1,600	0	0
55	MEHARRY MEDICAL COL	16,883	0	0	0	488	0	0	16,385	0	0	10	0	0
56	UNIV OF MD COLLEGE PARK	16,877	2,660	2,375	17	1,577	125	85	3,504	170	2,120	4,229	15	0
57	UNIV OF GEORGIA	16,845	6,994	537	336	253	0	111	5,727	185	203	2,329	0	200
58	BAYLOR COL OF MEDICINE	16,811	0	9	0	159	0	0	16,284	0	286	73	0	0
59	VANDERBILT UNIV	16,347	0	130	0	336	0	390	14,274	0	70	1,147	0	0
60	U TEX SW MED SCH DALLAS	16,298	0	34	0	45	0	0	16,139	0	80	0	0	0
61	PRINCETON UNIV	16,145	0	2,564	64	1,968	0	48	4,469	0	3,424	3,494	107	7
62	BOSTON UNIV	15,445	0	26	0	277	0	0	14,259	0	196	599	88	0
63	SUNY ST U BUFFALO	15,305	0	187	0	0	0	33	13,143	68	198	1,657	0	19
64	COLORADO STATE UNIV	15,155	2,520	239	112	827	0	861	4,860	909	471	3,739	0	617
65	TULANE UNIV	15,048	0	69	0	135	344	25	12,704	0	126	1,645	0	0
66	UNIV OF ARK	14,756	4,906	100	66	0	0	99	8,684	141	32	728	0	0
67	OREGON STATE UNIV	14,465	2,754	444	36	1,220	0	685	4,286	291	201	3,965	0	593
68	NEW YORK MEDICAL COL	14,025	0	0	0	182	0	0	13,698	0	0	145	0	0
69	UNIV OF TENN AT KNOXVILLE	14,024	6,590	1,550	0	610	0	18	4,005	175	251	815	0	10
70	UNIV OF VIRGINIA	13,922	0	281	0	986	0	12	10,364	25	591	1,661	2	0
71	INDIANA UNIV-BLOOMINGTON	13,497	0	224	0	259	0	56	9,624	34	296	3,345	209	450
72	WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
73	GEORGETOWN UNIV	13,476	0	39	0	408	0	35	12,322	0	46	587	19	0
74	TUFTS UNIV	12,985	0	355	0	247	1,774	76	9,941	0	50	492	0	50
75	GEORGE WASHINGTON UNIV	12,698	0	20	30	1,585	553	136	8,811	35	977	406	0	145

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
76	DARTMOUTH COL	12,485	0	31	0	426	0	22	10,220	33	147	1,606	0	0
77	INDIANA UNIV-INDIANAPOLIS	12,434	0	0	0	0	0	0	12,286	0	0	148	0	0
78	UNIV OF OKLAHOMA	12,134	0	80	311	466	0	214	8,629	0	76	1,888	270	0
79	WEST VIRGINIA UNIV	11,913	3,555	0	24	18	0	636	6,232	463	90	681	129	85
80	WAYNE STATE UNIV	11,865	0	89	0	403	177	30	9,971	0	45	835	204	111
81	EMORY UNIV	11,717	0	52	0	82	0	0	10,515	0	147	918	0	0
82	UNIV OF CONNECTICUT	11,585	1,351	115	0	694	0	83	7,863	146	285	1,046	0	0
83	UNIV OF CINCINNATI	11,375	0	156	0	700	0	389	9,533	0	80	517	0	0
84	UNIV OF NEW MEXICO	11,005	0	60	20	1,472	311	16	7,561	0	752	730	75	0
85	OKLAHOMA STATE UNIV	11,003	4,362	17	0	1,296	0	165	2,861	196	904	1,164	0	38
86	AUBURN UNIV	10,999	6,407	17	9	480	0	0	3,189	190	407	300	0	0
87	CUNY MT SINAI SCH OF MED	10,988	0	12	0	176	0	4	10,708	0	10	78	0	0
88	UNIV OF OREGON - EUGENE	10,846	0	347	0	249	540	0	7,000	0	445	2,180	0	85
89	UNIV OF MISSOURI KAN CITY	10,766	0	0	0	0	0	21	10,618	33	26	68	0	0
90	NEW MEXICO STATE UNIV	10,672	1,992	2	0	4,418	0	71	1,482	526	1,034	458	89	0
91	UNIV OF MD BALTIMORE	10,479	0	0	0	722	0	0	9,587	0	170	0	0	0
92	CARNEGIE MELLON UNIV	10,436	0	1,631	31	2,402	0	33	1,822	221	166	3,946	168	16
93	U TEX HOUSTON MED SCHOOL	10,204	0	0	0	0	0	0	10,204	0	0	0	0	0
94	U OF TENN MED UNITS MEMPH	10,181	0	94	0	288	0	0	9,755	0	0	44	0	0
95	LA ST UNIV BATON ROUGE	10,065	4,966	185	0	793	0	261	1,987	130	321	1,402	0	0
96	KANSAS STATE UNIV	9,855	3,526	211	0	133	0	77	4,631	198	21	937	0	121
97	UNIV OF MASS AMHERST	9,741	2,521	258	0	508	0	482	3,240	247	202	2,283	0	0
98	UNIV OF NEBRASKA-LINCOLN	9,699	3,244	50	20	77	0	41	5,489	193	15	580	0	0
99	FLORIDA STATE UNIV	9,629	0	1,055	34	838	0	59	3,777	0	100	2,462	193	1,122
100	GALLAUDET COL	9,504	0	0	0	0	0	0	9,493	0	0	11	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

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FEDERAL OBLIGATIONS FOR ACADEMIC SCIENCE TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	2,335,868	214,597	105,936	7,637	241,773	14,378	27,180	1,142,338	22,592	134,054	387,737	16,624	24,952
	TOTAL, 100 INSTITUTIONS	1,915,907	186,333	93,300	5,746	203,666	13,367	25,979	933,556	15,713	116,508	297,285	8,002	21,453
1	MASS INST OF TECH	88,823	30	7,784	194	26,979	0	382	11,921	907	28,018	11,291	1,271	246
2	UNIV OF MICHIGAN	53,505	91	2,792	178	8,320	448	556	25,282	130	4,541	10,219	360	588
3	STANFORD UNIV	52,280	0	623	21	9,863	0	413	24,765	46	4,674	10,843	120	952
4	UNIV OF WISCONSIN MADISON	52,124	5,281	2,965	218	1,311	7,361	807	23,861	323	2,766	6,736	0	695
5	HARVARD UNIV	50,119	0	1,918	102	3,318	745	516	31,965	36	5,065	5,645	100	709
6	UNIV OF WASHINGTON	49,576	133	2,483	1,237	5,309	0	630	29,980	211	650	8,825	148	0
7	UNIV OF CAL LOS ANGELES	47,574	85	4,928	0	4,228	292	548	29,263	304	2,657	4,575	590	85
8	UNIV OF CAL SAN DIEGO	47,553	0	2,112	50	10,639	0	203	13,282	0	3,961	17,271	35	0
9	COLUMBIA UNIV	47,450	0	4,896	428	3,952	578	74	24,707	98	2,402	7,929	0	386
10	UNIV OF CAL BERKELEY	46,725	5,932	586	57	4,714	828	608	16,923	440	7,360	9,082	210	85
11	UNIV OF MINNESOTA	43,812	5,187	1,950	0	1,715	210	1,017	26,617	453	2,882	3,094	159	628
12	UNIV OF ILLINOIS-URBANA	41,538	6,709	4,081	0	14,159	0	441	8,025	299	755	6,481	35	573
13	JOHNS HOPKINS UNIV	39,070	0	1,030	50	2,243	0	169	29,829	63	2,254	2,866	445	122
14	CORNELL UNIV	38,953	7,362	1,579	2	3,306	0	225	14,658	297	907	9,844	0	573
15	UNIV OF PENNSYLVANIA	36,405	34	1,531	0	3,449	247	89	24,723	103	425	5,555	195	64
16	UNIV OF CHICAGO	34,615	0	4,772	319	1,658	0	89	17,838	0	3,523	6,323	0	93
17	YALE UNIV	33,572	16	2,974	0	1,387	0	14	21,792	71	530	6,594	0	194
18	OHIO STATE UNIV	32,119	7,096	818	0	3,185	0	159	15,779	287	521	3,427	79	768
19	NEW YORK UNIV	29,866	15	1,779	41	2,239	0	565	21,741	35	787	2,429	98	177
20	DUKE UNIV	25,509	0	842	15	4,374	0	9	17,095	20	167	2,471	16	500
21	WASHINGTON UNIV	25,226	0	279	0	1,539	0	0	20,362	0	876	1,868	0	302
22	UNIV OF N C AT CHAP HILL	24,838	0	412	129	1,292	0	405	15,437	0	125	3,409	0	3,239
23	UNIV OF COLORADO	24,141	75	751	570	1,341	209	97	14,665	122	1,846	4,387	55	3
24	UNIV OF ROCHESTER	22,906	0	4,635	0	1,573	0	37	12,476	0	192	3,983	0	10
25	UNIV OF CAL SAN FRANCISCO	22,775	0	618	0	320	0	9	21,232	0	146	290	0	0
26	PURDUE UNIV	22,280	5,474	1,666	100	1,963	0	306	9,050	299	2,745	3,939	78	750
27	UNIV OF SOUTHERN CAL	21,341	87	391	0	2,828	0	480	14,098	11	884	2,157	225	180
28	PENNSYLVANIA STATE UNIV	21,260	8,232	439	28	1,434	0	563	5,594	1,083	663	3,132	97	0
29	CAL INST OF TECH	20,456	0	2,397	0	1,489	0	215	4,403	285	4,179	7,288	0	0
30	YESHIVA UNIV	20,413	0	103	0	378	0	0	19,070	0	0	862	0	0
31	MICHIGAN STATE UNIV	20,314	5,930	1,835	0	256	306	353	6,819	166	69	3,408	211	961
32	UNIV OF TEXAS AT AUSTIN	20,237	10	1,136	14	5,978	174	182	5,691	189	1,539	5,236	0	168
33	TEXAS A & M UNIV	19,425	11,070	1,061	133	1,846	0	98	878	168	759	3,215	204	1
34	CASE WESTERN RESERVE UNIV	19,240	0	1,188	0	1,065	0	116	13,991	163	581	2,097	0	39
35	UNIV OF FLORIDA	18,723	4,469	364	0	998	0	633	9,432	179	562	1,916	0	150
36	UNIV OF UTAH	18,198	0	1,444	20	2,506	0	275	10,909	179	361	2,419	0	85
37	UNIV OF PITTSBURGH	17,990	3	443	0	1,169	0	273	12,899	175	721	2,159	148	0
38	UNIV OF IOWA	17,878	0	58	0	1,048	0	345	10,722	53	2,023	3,483	146	0
39	N C STATE UNIV AT RALEIGH	17,377	9,198	511	0	342	0	445	3,093	201	446	2,274	0	867
40	UNIV OF MIAMI	16,649	0	320	127	2,500	0	57	8,974	0	435	3,538	698	0
41	NORTHWESTERN UNIV	16,148	4	184	0	1,662	0	321	9,564	20	1,436	2,782	175	0
42	UNIV OF MISSOURI COLUMBIA	15,986	5,890	40	6	915	0	140	7,189	180	192	1,340	10	84
43	PRINCETON UNIV	15,167	0	2,564	64	1,968	0	45	3,491	0	3,424	3,494	107	7
44	UNIV OF MD COLLEGE PARK	14,918	2,660	2,375	17	1,577	125	85	1,545	170	2,120	4,229	15	0
45	UNIV OF CAL DAVIS	14,784	929	2,338	0	269	0	204	8,670	11	290	2,073	0	0
46	RUTGERS UNIVERSITY	14,537	2,574	94	0	267	0	369	6,804	196	110	4,110	0	14
47	UNIV OF HAWAII	14,351	1,393	695	46	1,978	340	404	3,853	123	1,050	4,469	0	0
48	BAYLOR COL OF MEDICINE	14,334	0	9	0	159	0	0	13,807	0	286	73	0	0
49	UNIV OF GEORGIA	14,235	6,994	537	306	293	0	111	3,117	185	203	2,329	0	200
50	UNIV OF ARIZONA	14,077	1,997	348	6	3,064	0	235	4,184	269	1,528	2,446	0	0
51	UNIV OF KENTUCKY	14,070	7,268	79	104	697	0	220	3,984	368	248	575	0	527
52	WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
53	VANDERBILT UNIV	13,311	0	130	0	336	0	398	11,238	0	70	1,147	0	0
54	COLORADO STATE UNIV	13,194	2,520	239	112	827	0	861	2,904	904	471	3,739	0	617
55	OREGON STATE UNIV	12,963	2,754	444	36	1,220	0	685	2,784	281	201	3,965	0	593
56	UNIV OF KANSAS	12,513	0	400	0	192	0	69	9,429	138	685	1,600	0	0

21 WASHINGTON UNIV	25,226	0	279	0	1,539	0	0	20,362	0	876	1,868	0	302
22 UNIV OF N C AT CHAP HILL	24,838	0	412	129	1,282	0	405	15,837	0	125	3,409	0	3,239
23 UNIV OF COLORADO	24,141	75	751	570	1,341	209	97	14,665	122	1,866	4,387	55	3
24 UNIV OF ROCHESTER	22,906	0	4,635	0	1,573	0	37	12,476	0	192	3,983	0	10
25 UNIV OF CAL SAN FRANCISCO	22,775	0	818	0	320	0	9	21,232	0	106	290	0	0
26 PURDUE UNIV	22,280	5,474	1,666	100	1,963	0	306	5,050	209	2,745	3,939	78	750
27 UNIV OF SOUTHERN CAL	21,341	87	391	0	2,828	0	480	14,098	11	884	2,157	225	180
28 PENNSYLVANIA STATE UNIV	21,260	8,232	439	28	1,434	0	563	5,594	1,083	663	3,132	87	0
29 CAL INST OF TECH	20,456	0	2,397	0	1,489	0	215	4,603	285	4,179	7,288	0	0
30 YESHIVA UNIV	20,413	0	103	0	378	0	0	19,070	0	0	862	0	0
31 MICHIGAN STATE UNIV	20,314	5,930	1,835	0	256	306	353	6,819	166	69	3,408	211	961
32 UNIV OF TEXAS AT AUSTIN	20,237	10	1,136	14	5,978	174	182	5,691	109	1,539	5,236	0	168
33 TEXAS A & M UNIV	19,425	11,070	1,061	133	1,846	0	90	878	168	759	3,215	204	1
34 CASE WESTERN RESERVE UNIV	19,240	0	1,188	0	1,065	0	116	13,991	163	581	2,097	0	39
35 UNIV OF FLORIDA	18,723	4,469	384	0	998	0	633	9,432	179	562	1,916	0	150
36 UNIV OF UTAH	18,198	0	1,444	20	2,506	0	275	10,909	179	361	2,419	0	85
37 UNIV OF PITTSBURGH	17,990	3	443	0	1,169	0	273	12,899	175	721	2,159	148	0
38 UNIV OF IOWA	17,878	0	58	0	1,048	0	345	10,722	53	2,023	3,483	146	0
39 N C STATE UNIV AT RALEIGH	17,377	9,198	511	0	342	0	445	3,093	201	446	2,274	0	867
40 UNIV OF MIAMI	16,649	0	320	127	2,500	0	57	8,974	0	435	3,538	698	0
41 NORTHWESTERN UNIV	16,148	4	184	0	1,662	0	321	9,564	20	1,436	2,782	175	0
42 UNIV OF MISSOURI COLUMBIA	15,986	5,890	40	6	915	0	140	7,189	180	192	1,340	10	84
43 PRINCETON UNIV	15,167	0	2,564	64	1,968	0	48	3,491	0	3,424	3,494	107	7
44 UNIV OF MD COLLEGE PARK	14,918	2,660	2,375	17	1,577	125	89	1,545	170	2,120	4,229	15	0
45 UNIV OF CAL DAVIS	14,784	929	2,338	0	269	0	204	8,670	11	290	2,073	0	0
46 RUTGERS UNIVERSITY	14,537	2,574	94	0	267	0	369	6,804	196	110	4,110	0	14
47 UNIV OF HAWAII	14,351	1,393	695	46	1,978	340	404	3,853	123	1,050	4,469	0	0
48 BAYLOR COL OF MEDICINE	14,334	0	9	0	159	0	0	13,807	0	286	73	0	0
49 UNIV OF GEORGIA	14,235	6,994	537	306	253	0	111	3,117	185	203	2,329	0	200
50 UNIV OF ARIZONA	14,077	1,997	348	6	3,064	0	235	4,184	269	1,528	2,446	0	0
51 UNIV OF KENTUCKY	14,070	7,268	79	104	697	0	220	3,984	368	248	575	0	527
52 WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
53 VANDERBILT UNIV	13,311	0	130	0	336	0	390	11,238	0	70	1,147	0	0
54 COLORADO STATE UNIV	13,194	2,520	239	112	897	0	861	2,904	904	471	3,739	0	617
55 OREGON STATE UNIV	12,963	2,754	444	36	1,220	0	685	2,784	281	201	3,965	0	593
56 UNIV OF KANSAS	12,513	0	400	0	192	0	69	9,429	138	685	1,600	0	0
57 UNIV OF TENN AT KNOXVILLE	12,157	6,590	1,550	0	610	0	18	2,138	175	251	815	0	10
58 BOSTON UNIV	11,551	0	26	0	277	0	0	10,365	0	196	599	88	0
59 TULANE UNIV	11,488	0	69	0	135	344	25	9,144	0	126	1,645	0	0
60 TEMPLE UNIV	11,407	0	98	0	86	0	20	10,276	0	27	660	40	200
61 U OF ALA IN BIRMINGHAM	10,970	0	0	0	760	0	0	10,057	0	0	153	0	0
62 SUNY ST U BUFFALO	10,881	0	187	0	0	0	33	8,719	68	198	1,657	0	19
63 UNIV OF VIRGINIA	10,353	0	281	0	986	0	12	6,795	25	591	1,661	2	0
64 CUNY MT SINAI SCH OF MED	10,165	0	12	0	176	0	4	9,885	0	10	78	0	0
65 CARNEGIE MELLON UNIV	9,907	0	1,631	31	2,402	0	33	1,293	221	166	3,946	168	16
66 U TEX SW MED SCH DALLAS	9,783	0	34	0	45	0	0	9,624	0	80	0	0	0
67 INDIANA UNIV-BLOOMINGTON	9,743	0	224	0	259	0	56	4,870	34	296	3,345	209	450
68 IOWA ST U OF SCIENCE&TECH	9,587	5,375	29	0	583	0	100	2,215	298	45	904	0	38
69 NEW MEXICO STATE UNIV	9,573	1,992	2	0	4,418	0	71	383	526	1,634	458	89	0
70 OKLAHOMA STATE UNIV	9,257	4,362	17	0	1,296	0	165	1,115	196	904	1,164	0	38
71 UNIV OF ARK	9,224	4,906	100	66	0	0	99	3,152	141	32	728	0	0
72 EMORY UNIV	9,190	0	52	0	82	0	0	7,991	0	147	918	0	0
73 AUBURN UNIV	9,145	6,407	17	9	480	0	0	1,335	190	407	300	0	0
74 LA ST UNIV BATON ROUGE	9,105	4,986	185	0	793	0	261	1,027	130	321	1,402	0	0
75 GEORGE WASHINGTON UNIV	8,913	0	20	30	1,585	553	136	5,026	35	977	406	0	145

TABLE B-11
CONTINUED

FEDERAL OBLIGATIONS FOR ACADEMIC SCIENCE TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
76	UNIV OF CONNECTICUT	8,888	1,351	115	0	694	0	83	5,166	146	285	1,048	0	0
77	UNIV OF OREGON - EUGENE	8,682	0	347	0	249	303	0	5,073	0	445	2,180	0	85
78	FLORIDA STATE UNIV	8,629	0	1,055	34	838	0	58	2,777	0	100	2,462	183	1,122
79	VIRGINIA POLYTECHNIC INST	8,623	5,744	88	0	322	0	13	881	418	441	719	0	0
80	ROCKEFELLER UNIV	8,469	0	259	0	38	0	0	7,176	0	0	996	0	0
81	UNIV OF ALASKA	8,420	1,033	172	425	2,340	0	157	863	197	582	2,651	0	0
82	BROWN UNIV	8,386	0	519	0	1,275	0	0	3,954	132	181	2,314	0	11
83	WEST VIRGINIA UNIV	8,173	3,555	0	24	18	0	636	2,492	463	90	681	129	85
84	MISSISSIPPI STATE UNIV	7,840	6,760	0	0	164	0	190	195	100	160	271	0	0
85	DARTMOUTH COL	7,839	0	31	0	426	0	22	5,574	33	147	1,606	0	0
86	UNIV OF CINCINNATI	7,818	0	156	0	700	0	389	5,976	0	80	517	0	0
87	UNIV OF OKLAHOMA	7,816	0	80	311	466	0	914	4,511	0	76	1,888	270	0
88	UNIV OF CAL IRVINE	7,796	0	640	15	3,331	0	0	2,718	0	0	1,092	0	0
89	WASHINGTON STATE UNIV	7,704	3,174	287	0	174	0	248	1,584	343	0	1,694	0	200
90	U TEX HOUSTON MED SCHOOL	7,644	0	0	0	0	0	0	7,644	0	0	0	0	0
91	UNIV OF MD BALTIMORE	7,624	0	0	0	722	0	0	6,732	0	170	0	0	0
92	UNIV OF MASS AMHERST	7,559	2,521	258	0	568	0	482	1,058	247	202	2,283	0	0
93	UTAH STATE UNIV	7,234	1,603	81	6	1,020	0	107	773	914	61	2,117	25	527
94	SUNY ST U ALBANY	7,108	83	37	0	908	127	42	1,949	0	0	1,861	0	2,101
95	WAYNE STATE UNIV	7,016	0	89	0	403	177	30	5,122	0	45	835	204	111
96	GEORGIA INST OF TECH	6,824	0	405	0	3,105	0	453	709	274	530	755	593	0
97	ST LOUIS UNIV	6,737	0	0	0	92	0	0	6,204	0	0	431	0	10
98	UNIV OF NEBRASKA-LINCOLN	6,700	3,244	50	20	77	0	41	2,490	183	15	580	0	0
99	TUFTS UNIV	6,522	0	355	0	247	0	76	5,252	0	50	492	0	50
100	CLEMSON UNIV	6,521	5,145	40	0	171	0	283	186	163	95	438	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-12

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	1,544,130	74,793	95,862	6,887	241,773	16,378	17,027	695,717	21,277	128,531	116,883	7,977	21,025
	TOTAL, 100 INSTITUTIONS	1,324,905	51,176	87,714	4,991	210,392	13,367	12,30[illegible]	602,318	13,393	114,258	589,944	6,457	18,589
1	MASS INST OF TECH	81,531	30	6,537	194	26,979	0	296	9,357	807	27,966	8,013	1,123	229
2	STANFORD UNIV	41,786	0	522	21	9,803	0	213	18,336	46	4,376	7,389	120	940
3	UNIV OF MICHIGAN	40,819	91	2,565	72	8,320	448	360	15,530	122	4,466	8,063	334	448
4	COLUMBIA UNIV	37,589	0	4,677	428	3,952	578	69	18,520	98	2,362	6,547	0	358
5	HARVARD UNIV	37,109	0	1,703	102	3,318	745	250	21,456	36	5,044	3,677	100	678
6	UNIV OF WISCONSIN MADISON	36,871	1,955	2,818	218	1,311	7,361	226	15,532	290	2,766	3,899	0	495
7	UNIV OF CAL LOS ANGELES	36,825	85	4,324	0	4,228	292	548	20,361	299	2,667	3,572	449	0
8	UNIV OF CAL SAN DIEGO	36,593	0	2,112	50	10,639	0	203	10,387	0	3,961	9,206	35	0
9	UNIV OF WASHINGTON	36,079	133	2,163	1,207	5,309	0	296	20,695	211	650	5,415	0	0
10	UNIV OF CAL BERKELEY	32,979	976	475	57	4,714	828	533	11,141	410	7,347	6,285	210	3
11	UNIV OF ILLINOIS-URBANA	31,331	2,124	3,686	0	14,159	0	224	4,973	268	755	4,744	35	363
12	JOHNS HOPKINS UNIV	28,955	0	1,027	22	2,243	0	61	20,545	63	2,182	2,265	445	102
13	UNIV OF MINNESOTA	26,707	1,902	1,784	0	1,715	210	825	14,516	424	2,882	2,014	11	424
14	UNIV OF CHICAGO	26,479	0	4,590	319	1,658	0	89	10,659	0	3,523	5,610	0	31
15	UNIV OF PENNSYLVANIA	25,241	34	1,499	0	3,449	247	89	15,930	103	425	3,364	37	64
16	CORNELL UNIV	23,893	2,075	1,538	2	3,306	0	141	9,765	260	907	5,405	0	494
17	YALE UNIV	23,092	16	2,766	0	1,387	0	0	14,195	71	530	3,068	0	159
18	NEW YORK UNIV	20,780	15	1,668	41	2,239	0	164	13,744	35	787	1,876	58	153
19	WASHINGTON UNIV	18,224	0	279	0	1,539	0	0	13,693	0	876	1,544	0	293
20	CAL INST OF TECH	17,074	0	2,390	0	1,489	0	163	3,581	285	4,162	5,004	0	0
21	DUKE UNIV	16,714	0	800	15	4,374	0	9	9,985	20	167	1,328	16	0
22	UNIV OF ROCHESTER	16,633	0	4,270	0	1,573	0	37	7,786	0	192	2,775	0	0
23	UNIV OF COLORADO	16,447	75	706	512	1,341	209	27	9,295	122	1,866	2,239	55	0
24	UNIV OF N C AT CHAP HILL	16,160	0	406	129	1,282	0	232	9,564	0	125	1,183	0	3,239
25	UNIV OF CAL SAN FRANCISCO	16,064	0	676	0	320	0	9	14,699	0	106	254	0	0
26	OHIO STATE UNIV	15,546	2,109	757	0	3,185	0	86	5,537	258	521	2,288	79	726
27	UNIV OF SOUTHERN CAL	14,978	87	391	0	2,828	0	360	8,894	11	683	1,332	225	167
28	PURDUE UNIV	14,728	2,015	1,560	0	1,963	0	151	2,640	188	2,745	2,638	78	750
29	YESHIVA UNIV	14,458	0	103	0	378	0	0	13,257	0	0	720	0	0
30	UNIV OF TEXAS AT AUSTIN	14,116	10	1,069	14	5,978	174	87	2,728	109	1,504	2,275	0	168
31	PRINCETON UNIV	13,284	0	2,448	0	1,968	0	44	2,668	0	3,424	2,625	107	0
32	UNIV OF UTAH	12,786	0	1,265	20	2,506	0	216	6,941	179	361	1,298	0	0
33	UNIV OF MIAMI	12,424	0	306	119	2,500	0	57	6,366	0	386	1,992	698	0
34	PENNSYLVANIA STATE UNIV	12,386	2,825	388	21	1,434	0	270	3,501	1,063	663	2,134	87	0
35	CASE WESTERN RESERVE UNIV	12,259	0	1,188	0	1,065	0	52	7,746	163	476	1,530	0	39
36	UNIV OF CAL DAVIS	11,408	915	2,134	0	269	0	126	6,450	11	284	1,219	0	0
37	WOODS HOLE OCEAN INST	11,247	0	632	50	6,878	0	84	83	70	44	3,383	23	0
38	BAYLOR COL OF MEDICINE	11,125	0	9	0	159	0	0	10,610	0	286	61	0	0
39	NORTHWESTERN UNIV	11,052	4	170	0	1,662	0	118	5,489	20	1,396	2,166	27	0
40	UNIV OF HAWAII	11,021	734	692	46	1,978	340	331	2,587	95	1,024	3,194	0	0
41	UNIV OF PITTSBURGH	10,984	0	438	0	1,169	0	90	6,980	175	471	1,661	0	0
42	MICHIGAN STATE UNIV	10,957	1,748	1,742	0	256	306	314	3,354	138	69	2,058	211	761
43	UNIV OF IOWA	10,798	0	56	0	1,048	0	254	6,703	53	1,977	707	0	0
44	UNIV OF MD COLLEGE PARK	10,389	986	2,306	10	1,577	125	0	747	151	2,021	2,451	15	0
45	UNIV OF FLORIDA	10,368	1,578	336	0	998	0	357	4,806	157	562	1,424	0	150
46	COLORADO STATE UNIV	10,278	1,087	223	112	827	0	802	2,206	887	471	3,046	0	617
47	UNIV OF ARIZONA	10,148	885	311	6	3,064	0	181	2,251	259	1,470	1,721	0	0
48	OREGON STATE UNIV	9,486	1,292	441	36	1,220	0	538	2,176	261	180	2,749	0	593
49	TEXAS A & M UNIV	9,486	2,931	859	7	1,846	0	39	612	136	749	2,103	204	0
50	VANDERBILT UNIV	9,268	0	104	0	336	0	377	7,635	0	70	746	0	0
51	U OF ALA IN BIRMINGHAM	8,823	0	0	0	760	0	0	8,012	0	0	51	0	0
52	TEMPLE UNIV	8,735	0	98	0	86	0	0	7,920	0	27	402	40	162
53	RUTGERS UNIVERSITY	8,143	914	81	0	267	0	179	4,300	164	110	2,128	0	0
54	UNIV OF KANSAS	7,847	0	321	0	192	0	0	5,285	138	685	1,226	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

52 TEMPLE UNIV	8,735	0	98	0	86	0	0	7,920	0	27	402	40	162
53 RUTGERS UNIVERSITY	8,143	914	81	0	247	0	179	4,300	164	110	2,128	0	0
54 UNIV OF KANSAS	7,847	0	321	0	192	0	0	5,285	138	685	1,226	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16 CORNELL UNIV	23,893	2,075	1,538	2	3,300	0	141	9,765	260	907	5,405	0	494
17 YALE UNIV	23,092	16	2,766	0	1,387	0	0	14,195	71	530	3,968	0	159
18 NEW YORK UNIV	20,780	15	1,668	41	2,239	0	164	13,744	35	787	1,876	58	153
19 WASHINGTON UNIV	18,224	0	279	0	1,539	0	0	13,693	0	876	1,544	0	293
20 CAL INST OF TECH	17,074	0	2,390	0	1,489	0	163	3,581	285	4,162	5,004	0	0
21 DUKE UNIV	16,714	0	800	15	4,374	0	9	9,985	20	167	1,328	16	0
22 UNIV OF ROCHESTER	16,633	0	4,270	0	1,573	0	37	7,786	0	192	2,775	0	0
23 UNIV OF COLORADO	16,447	75	706	512	1,341	209	27	9,295	122	1,866	2,239	55	0
24 UNIV OF N C AT CHAP HILL	16,160	0	406	129	1,282	0	232	9,564	0	125	1,183	0	3,239
25 UNIV OF CAL SAN FRANCISCO	16,064	0	676	0	320	0	9	14,699	0	106	254	0	0
26 OHIO STATE UNIV	15,546	2,109	757	0	3,185	0	86	5,537	258	521	2,288	79	726
27 UNIV OF SOUTHERN CAL	14,978	87	391	0	2,828	0	360	8,894	11	683	1,332	225	167
28 PURDUE UNIV	14,728	2,015	1,560	0	1,963	0	151	2,640	188	2,745	2,638	78	750
29 YESHIVA UNIV	14,458	0	103	0	378	0	0	13,257	0	0	720	0	0
30 UNIV OF TEXAS AT AUSTIN	14,116	10	1,069	14	5,978	174	87	2,728	109	1,504	2,275	0	168
31 PRINCETON UNIV	13,284	0	2,448	0	1,968	0	44	2,668	0	3,424	2,625	107	0
32 UNIV OF UTAH	12,786	0	1,265	20	2,506	0	216	6,941	179	361	1,298	0	0
33 UNIV OF MIAMI	12,424	0	306	119	2,500	0	57	6,366	0	386	1,992	698	0
34 PENNSYLVANIA STATE UNIV	12,386	2,825	388	21	1,434	0	270	3,501	1,063	663	2,134	87	0
35 CASE WESTERN RESERVE UNIV	12,259	0	1,188	0	1,065	0	52	7,746	163	476	1,530	0	39
36 UNIV OF CAL DAVIS	11,408	915	2,134	0	269	0	126	6,450	11	284	1,219	0	0
37 WOODS HOLE OCEAN INST	11,247	0	632	50	6,878	0	84	83	70	44	3,383	23	0
38 BAYLOR COL OF MEDICINE	11,125	0	9	0	159	0	0	10,610	0	286	61	0	0
39 NORTHWESTERN UNIV	11,052	4	170	0	1,662	0	118	5,489	20	1,396	2,166	27	0
40 UNIV OF HAWAII	11,021	734	692	46	1,978	340	331	2,587	95	1,024	3,194	0	0
41 UNIV OF PITTSBURGH	10,984	0	438	0	1,169	0	90	6,980	175	471	1,661	0	0
42 MICHIGAN STATE UNIV	10,957	1,748	1,742	0	256	306	314	3,354	138	69	2,058	211	761
43 UNIV OF IOWA	10,798	0	56	0	1,048	0	254	6,703	53	1,977	707	0	0
44 UNIV OF MD COLLEGE PARK	10,389	986	2,306	10	1,577	125	0	747	151	2,021	2,451	15	0
45 UNIV OF FLORIDA	10,368	1,578	336	0	998	0	357	4,806	157	562	1,424	0	150
46 COLORADO STATE UNIV	10,278	1,087	223	112	827	0	802	2,206	887	471	3,046	0	617
47 UNIV OF ARIZONA	10,148	885	311	6	3,064	0	181	2,251	259	1,470	1,721	0	0
48 OREGON STATE UNIV	9,486	1,292	441	36	1,220	0	538	2,176	261	180	2,749	0	593
49 TEXAS A & M UNIV	9,486	2,931	859	7	1,846	0	39	612	136	749	2,103	204	0
50 VANDERBILT UNIV	9,268	0	104	0	336	0	377	7,635	0	70	746	0	0
51 U OF ALA IN BIRMINGHAM	8,823	0	0	0	760	0	0	8,012	0	0	51	0	0
52 TEMPLE UNIV	8,735	0	98	0	86	0	0	7,920	0	27	402	40	162
53 RUTGERS UNIVERSITY	8,143	914	81	0	247	0	179	4,300	164	110	2,128	0	0
54 UNIV OF KANSAS	7,847	0	321	0	192	0	0	5,285	138	685	1,226	0	0
55 ROCKEFELLER UNIV	7,539	0	259	0	38	0	0	6,406	0	0	836	0	0
56 UNIV OF ALASKA	7,348	618	172	425	2,340	0	157	800	163	376	2,297	0	0
57 UNIV OF MISSOURI COLUMBIA	7,343	1,847	16	6	915	0	122	3,388	159	192	688	10	0
58 SUNY ST U BUFFALO	7,338	0	187	0	0	0	33	5,538	68	198	1,314	0	0
59 N C STATE UNIV AT RALEIGH	7,269	2,725	376	0	342	0	367	1,717	183	443	287	0	829
60 UNIV OF KENTUCKY	7,243	2,767	61	104	697	0	47	2,051	366	248	375	0	527
61 CUNY MT SINAI SCH OF MED	7,173	0	12	0	176	0	4	6,898	0	10	73	0	0
62 NEW MEXICO STATE UNIV	6,983	807	0	0	4,418	0	28	240	497	774	130	89	0
63 UNIV OF GEORGIA	6,884	2,103	528	306	253	0	104	1,943	185	40	1,222	0	200
64 TULANE UNIV	6,863	0	69	0	135	344	25	5,785	0	126	379	0	0
65 CARNEGIE MELLON UNIV	6,860	0	1,631	0	2,402	0	23	957	221	166	1,424	20	16
66 BROWN UNIV	6,848	0	519	0	1,275	0	0	2,973	132	181	1,768	0	0
67 GEORGE WASHINGTON UNIV	6,795	0	20	30	1,585	553	136	3,498	35	561	235	0	142
68 U TEX HOUSTON MED SCHOOL	6,715	0	0	0	0	0	0	6,715	0	0	0	0	0
69 BOSTON UNIV	6,471	0	26	0	277	0	0	5,548	0	196	336	88	0
70 UNIV OF CAL IRVINE	6,454	0	640	15	3,331	0	0	1,576	0	0	892	0	0
71 INDIANA UNIV-BLOOMINGTON	6,345	0	213	0	259	0	56	3,076	34	141	2,118	209	239
72 UNIV OF VIRGINIA	6,279	0	209	0	986	0	12	3,430	25	570	1,045	2	0
73 GEORGIA INST OF TECH	5,792	0	295	0	3,105	0	65	537	249	530	418	593	0
74 UNIV OF OREGON - EUGENE	5,553	0	341	0	249	303	0	2,677	0	445	1,538	0	0
75 FLORIDA STATE UNIV	5,530	0	1,052	34	838	0	58	957	0	100	1,350	31	1,110

TABLE B-12
CONTINUED

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
76	UTAH STATE UNIV	5,503	766	58	6	1,020	0	0	333	896	61	1,811	25	527
77	UNIV OF MD-BALTIMORE	5,447	0	0	0	722	0	0	4,555	0	170	0	0	0
78	EMORY UNIV	5,378	0	52	0	82	0	0	4,960	0	147	137	0	0
79	U TEX SW MED SCH DALLAS	5,365	0	34	0	45	0	0	5,206	0	80	0	0	0
80	UNIV OF CONNECTICUT	5,220	420	115	0	694	0	39	2,835	132	285	700	0	0
81	UNIV OF TENN AT KNOXVILLE	5,210	1,853	1,357	0	610	0	0	652	156	251	331	0	0
82	SUNY ST U ALBANY	4,854	83	36	0	908	127	42	1,126	0	0	431	0	2,101
83	RICE UNIV	4,682	0	744	0	734	0	0	674	0	1,276	1,123	0	131
84	IOWA ST U OF SCIENCE&TECH	4,676	1,999	22	0	583	0	40	1,260	287	45	440	0	0
85	TUFTS UNIV	4,608	0	355	0	247	0	13	3,569	0	50	324	0	50
86	ST LOUIS UNIV	4,504	0	0	0	92	0	0	4,128	0	0	284	0	0
87	LA ST UNIV BATON ROUGE	4,325	1,494	185	0	793	0	260	327	95	321	850	0	0
88	UNIV OF MASS AMHERST	4,307	912	258	0	508	0	282	603	222	202	1,320	0	0
89	ILLINOIS INST OF TECH	4,264	0	146	0	712	0	0	2,811	0	112	483	0	0
90	UNIV OF NEW MEXICO	4,189	0	0	20	1,472	0	16	1,400	0	742	464	75	0
91	SUNY ST U STONY BROOK	4,188	0	818	0	222	0	0	733	0	568	1,847	0	0
92	UNIV OF CINCINNATI	4,169	0	155	0	700	0	72	2,936	0	80	226	0	0
93	OKLAHOMA STATE UNIV	4,100	1,461	17	0	1,296	0	32	609	191	70	424	0	0
94	WAYNE STATE UNIV	4,083	0	89	0	403	177	15	2,586	0	45	453	204	111
95	UNIV OF DAYTON	4,037	0	0	0	3,974	0	0	2	0	45	16	0	0
96	GEORGETOWN UNIV	4,018	0	39	0	408	0	35	3,082	0	36	399	19	0
97	DARTMOUTH COL	4,018	0	31	0	426	0	22	2,637	33	147	722	0	0
98	UNIV OF OKLAHOMA	3,896	0	60	215	466	0	24	1,729	0	76	1,056	270	0
99	VIRGINIA POLYTECHNIC INST	3,871	1,690	52	0	322	0	0	625	388	403	391	0	0
100	U OF TENN MED UNITS MEMPH	3,865	0	56	0	288	0	0	3,501	0	0	20	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-13

FEDERAL OBLIGATIONS FOR FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	421,029	0	2,606	25	0	0	10,133	361,440	38	1,044	42,293	2,847	603
	TOTAL, 100 INSTITUTIONS	340,104	0	1,970	0	0	0	6,381	299,804	38	541	29,288	1,521	561
1	HARVARD UNIV	11,320	0	0	0	0	0	266	9,459	0	0	1,564	0	31
2	UNIV OF WASHINGTON	9,795	0	264	0	0	0	334	8,484	0	0	565	148	0
3	UNIV OF MICHIGAN	9,057	0	124	0	0	0	196	7,684	8	0	954	26	65
4	UNIV OF MINNESOTA	8,909	0	15	0	0	0	192	8,060	0	0	490	148	4
5	UNIV OF WISCONSIN MADISON	8,786	0	42	0	0	0	381	7,544	0	0	819	0	0
6	JOHNS HOPKINS UNIV	8,762	0	0	0	0	0	107	8,346	0	0	289	0	20
7	UNIV OF PENNSYLVANIA	8,561	0	0	0	0	0	0	7,964	0	0	449	148	0
8	NEW YORK UNIV	8,217	0	20	0	0	0	401	7,377	0	0	395	0	24
9	COLUMBIA UNIV	8,111	0	28	0	0	0	5	7,528	0	0	522	0	28
10	STANFORD UNIV	8,084	0	101	0	0	0	200	5,914	0	230	1,627	0	12
11	YALE UNIV	7,919	0	0	0	0	0	14	6,955	0	0	915	0	35
12	UNIV OF CAL LOS ANGELES	7,728	0	50	0	0	0	0	7,104	0	0	424	150	0
13	UNIV OF CHICAGO	7,345	0	25	0	0	0	0	6,728	0	0	560	0	32
14	UNIV OF CAL BERKELEY	6,995	0	87	0	0	0	75	5,256	30	0	1,465	0	82
15	CASE WESTERN RESERVE UNIV	6,310	0	0	0	0	0	64	5,751	0	105	390	0	0
16	DUKE UNIV	6,210	0	0	0	0	0	0	6,013	0	0	197	0	0
17	WASHINGTON UNIV	6,151	0	0	0	0	0	0	5,902	0	0	240	0	9
18	UNIV OF N C AT CHAP HILL	6,149	0	0	0	0	0	173	5,640	0	0	336	0	0
19	UNIV OF CAL SAN FRANCISCO	6,054	0	0	0	0	0	0	6,018	0	0	36	0	0
20	UNIV OF PITTSBURGH	5,580	0	5	0	0	0	183	5,033	0	0	211	148	0
21	CORNELL UNIV	5,515	0	27	0	0	0	84	4,569	0	0	835	0	0
22	YESHIVA UNIV	5,433	0	0	0	0	0	0	5,382	0	0	51	0	0
23	UNIV OF COLORADO	4,937	0	10	0	0	0	70	4,444	0	0	410	0	3
24	UNIV OF FLORIDA	4,736	0	45	0	0	0	276	4,148	0	0	267	0	0
25	UNIV OF SOUTHERN CAL	4,671	0	0	0	0	0	129	4,350	0	0	188	0	13
26	BOSTON UNIV	4,569	0	0	0	0	0	0	4,460	0	0	109	0	0
27	UNIV OF ROCHESTER	4,517	0	96	0	0	0	0	4,202	0	0	209	0	10
28	MASS INST OF TECH	4,507	0	183	0	0	0	86	2,288	0	0	1,785	148	17
29	NORTHWESTERN UNIV	4,415	0	14	0	0	0	203	3,648	0	0	402	148	0
30	OHIO STATE UNIV	4,242	0	61	0	0	0	73	3,540	0	0	526	0	42
31	UNIV OF IOWA	3,944	0	2	0	0	0	91	3,462	0	0	243	146	0
32	UNIV OF ILLINOIS-URBANA	3,937	0	89	0	0	0	217	2,878	0	0	753	0	0
33	UNIV OF UTAH	3,787	0	5	0	0	0	59	3,527	0	0	196	0	0
34	MICHIGAN STATE UNIV	3,746	0	8	0	0	0	39	3,148	0	0	551	0	0
35	UNIV OF KANSAS	3,411	0	49	0	0	0	69	3,103	0	0	190	0	0
36	UNIV OF TEXAS AT AUSTIN	3,323	0	49	0	0	0	95	2,735	0	0	444	0	0
37	UNIV OF CINCINNATI	3,111	0	1	0	0	0	317	2,694	0	0	99	0	0
38	TULANE UNIV	3,026	0	0	0	0	0	0	2,896	0	0	130	0	0
39	VANDERBILT UNIV	3,018	0	26	0	0	0	13	2,814	0	0	165	0	0
40	UNIV OF VIRGINIA	2,936	0	72	0	0	0	0	2,733	0	0	131	0	0
41	UNIV OF MISSOURI COLUMBIA	2,914	0	19	0	0	0	18	2,642	0	0	235	0	0
42	SUNY ST U BUFFALO	2,875	0	0	0	0	0	0	2,689	0	0	167	0	19
43	UNIV OF CAL SAN DIEGO	2,808	0	0	0	0	0	0	2,481	0	0	327	0	0
44	EMORY UNIV	2,676	0	0	0	0	0	0	2,556	0	0	120	0	0
45	PURDUE UNIV	2,593	0	85	0	0	0	155	1,782	0	0	571	0	0
46	UNIV OF OKLAHOMA	2,568	0	8	0	0	0	190	2,130	0	0	240	0	0
47	CUNY MT SINAI SCH OF MED	2,437	0	0	0	0	0	0	2,432	0	0	5	0	0
48	PENNSYLVANIA STATE UNIV	2,428	0	40	0	0	0	298	1,638	0	0	452	0	0
49	UNIV OF MIAMI	2,392	0	0	0	0	0	0	2,216	0	0	176	0	0
50	RUTGERS UNIVERSITY	2,356	0	13	0	0	0	189	1,886	0	0	254	0	14
51	WAYNE STATE UNIV	2,318	0	0	0	0	0	15	2,164	0	0	139	0	0
52	UNIV OF OREGON EUGENE	2,207	0	0	0	0	0	0	1,978	0	0	229	0	0

51 WAYNE STATE UNIV	2,318	0	0	0	0	0	15	2,164	0	0	139	0	0
52 UNIV OF OREGON - EUGENE	2,207	0	0	0	0	0	0	1,978	0	0	229	0	0
16 DUKE UNIV	6,210	0	0	0	0	0	0	6,013	0	0	197	0	0
17 WASHINGTON UNIV	6,151	0	0	0	0	0	0	5,902	0	0	240	0	9
18 UNIV OF N C AT CHAP HILL	6,149	0	0	0	0	0	173	5,640	0	0	336	0	0
19 UNIV OF CAL SAN FRANCISCO	6,054	0	0	0	0	0	0	6,018	0	0	36	0	0
20 UNIV OF PITTSBURGH	5,580	0	5	0	0	0	183	5,033	0	0	211	148	0
21 CORNELL UNIV	5,515	0	27	0	0	0	84	4,569	0	0	835	0	0
22 YESHIVA UNIV	5,433	0	0	0	0	0	0	5,382	0	0	51	0	0
23 UNIV OF COLORADO	4,937	0	10	0	0	0	70	4,444	0	0	410	0	3
24 UNIV OF FLORIDA	4,736	0	45	0	0	0	276	4,148	0	0	267	0	0
25 UNIV OF SOUTHERN CAL	4,671	0	0	0	0	0	121	4,350	0	0	188	0	13
26 BOSTON UNIV	4,569	0	0	0	0	0	0	4,460	0	0	109	0	0
27 UNIV OF ROCHESTER	4,517	0	96	0	0	0	0	4,202	0	0	209	0	10
28 MASS INST OF TECH	4,507	0	183	0	0	0	86	2,288	0	0	1,785	148	17
29 NORTHWESTERN UNIV	4,415	0	14	0	0	0	203	3,648	0	0	402	148	0
30 OHIO STATE UNIV	4,242	0	61	0	0	0	73	3,540	0	0	526	0	42
31 UNIV OF IOWA	3,944	0	2	0	0	0	91	3,462	0	0	243	146	0
32 UNIV OF ILLINOIS-URBANA	3,937	0	89	0	0	0	217	2,878	0	0	753	0	0
33 UNIV OF UTAH	3,787	0	5	0	0	0	59	3,527	0	0	196	0	0
34 MICHIGAN STATE UNIV	3,746	0	8	0	0	0	39	3,148	0	0	551	0	0
35 UNIV OF KANSAS	3,411	0	49	0	0	0	69	3,103	0	0	190	0	0
36 UNIV OF TEXAS AT AUSTIN	3,323	0	49	0	0	0	95	2,735	0	0	444	0	0
37 UNIV OF CINCINNATI	3,111	0	1	0	0	0	317	2,694	0	0	99	0	0
38 TULANE UNIV	3,026	0	0	0	0	0	0	2,896	0	0	130	0	0
39 VANDERBILT UNIV	3,018	0	26	0	0	0	13	2,814	0	0	165	0	0
40 UNIV OF VIRGINIA	2,936	0	72	0	0	0	0	2,733	0	0	131	0	0
41 UNIV OF MISSOURI COLUMBIA	2,914	0	19	0	0	0	18	2,642	0	0	235	0	0
42 SUNY ST U BUFFALO	2,875	0	0	0	0	0	0	2,689	0	0	167	0	19
43 UNIV OF CAL SAN DIEGO	2,808	0	0	0	0	0	0	2,481	0	0	327	0	0
44 EMORY UNIV	2,676	0	0	0	0	0	0	2,556	0	0	120	0	0
45 PURDUE UNIV	2,593	0	85	0	0	0	155	1,782	0	0	571	0	0
46 UNIV OF OKLAHOMA	2,568	0	8	0	0	0	190	2,130	0	0	240	0	0
47 CUNY MT SINAI SCH OF MED	2,437	0	0	0	0	0	0	2,432	0	0	5	0	0
48 PENNSYLVANIA STATE UNIV	2,428	0	40	0	0	0	298	1,638	0	0	452	0	0
49 UNIV OF MIAMI	2,392	0	0	0	0	0	0	2,216	0	0	176	0	0
50 RUTGERS UNIVERSITY	2,356	0	13	0	0	0	189	1,886	0	0	254	0	14
51 WAYNE STATE UNIV	2,318	0	0	0	0	0	15	2,164	0	0	139	0	0
52 UNIV OF OREGON - EUGENE	2,207	0	0	0	0	0	0	1,978	0	0	229	0	0
53 BAYLOR COL OF MEDICINE	2,161	0	0	0	0	0	0	2,149	0	0	12	0	0
54 UNIV OF CONNECTICUT	2,156	0	0	0	0	0	44	1,948	0	0	164	0	0
55 UNIV OF ARIZONA	2,152	0	27	0	0	0	54	1,775	0	0	296	0	0
56 FLORIDA STATE UNIV	2,144	0	3	0	0	0	0	1,759	0	0	218	152	12
57 U TEX SW MED SCH DALLAS	2,134	0	0	0	0	0	0	2,134	0	0	0	0	0
58 TEMPLE UNIV	2,117	0	0	0	0	0	20	2,034	0	0	63	0	0
59 INDIANA UNIV-BLOOMINGTON	2,094	0	11	0	0	0	0	1,670	0	0	402	0	11
60 SYRACUSE UNIV	2,048	0	0	0	0	0	5	1,600	0	0	275	159	9
61 TEACHERS COL	1,963	0	0	0	0	0	0	1,949	0	0	14	0	0
62 WEST VIRGINIA UNIV	1,918	0	0	0	0	0	300	1,480	0	0	138	0	0
63 UNIV OF TENN AT KNOXVILLE	1,818	0	117	0	0	0	18	1,429	0	0	244	0	10
64 UNIV OF KENTUCKY	1,808	0	18	0	0	0	173	1,496	0	0	121	0	0
65 UNIV OF MD BALTIMORE	1,807	0	0	0	0	0	0	1,807	0	0	0	0	0
66 UNIV OF CAL DAVIS	1,754	0	32	0	0	0	78	1,409	0	0	235	0	0
67 VA COMMONWEALTH UNIV	1,712	0	0	0	0	0	0	1,696	0	0	16	0	0
68 UNIV OF ILLINOIS-MED CTR	1,693	0	0	0	0	0	0	1,680	0	0	13	0	0
69 INDIANA UNIV-INDIANAPOLIS	1,686	0	0	0	0	0	0	1,686	0	0	0	0	0
70 CAL INST OF TECH	1,633	0	7	0	0	0	52	906	0	0	668	0	0
71 BRANDEIS UNIV	1,612	0	0	0	0	0	0	1,486	0	0	118	0	8
72 U OREGON MEDICAL SCHOOL	1,601	0	0	0	0	0	0	1,601	0	0	0	0	0
73 U OF ALA IN BIRMINGHAM	1,525	0	0	0	0	0	0	1,511	0	0	14	0	0
74 PRINCETON UNIV	1,470	0	0	0	0	0	4	740	0	0	719	0	7
75 GEORGETOWN UNIV	1,393	0	0	0	0	0	0	1,327	0	0	66	0	0

TABLE B-13
CONTINUED

FEDERAL OBLIGATIONS FOR FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
76	HOWARD UNIV	1,361	0	0	0	0	0	33	1,276	0	0	40	0	12
77	UNIV OF GEORGIA	1,335	0	9	0	0	0	7	1,080	0	0	239	0	0
78	UNIV OF ARK	1,303	0	0	0	0	0	55	1,140	0	0	108	0	0
79	UNIV OF HAWAII	1,295	0	0	0	0	0	73	980	0	0	242	0	0
80	SUNY DOWNSTATE MED CTR	1,287	0	0	0	0	0	0	1,281	0	0	6	0	0
81	ST LOUIS UNIV	1,268	0	0	0	0	0	0	1,189	0	0	69	0	10
82	GEORGE WASHINGTON UNIV	1,267	0	0	0	0	0	0	1,190	0	0	74	0	3
83	U OF TENN MED UNITS MEMPH	1,254	0	20	0	0	0	0	1,210	0	0	24	0	0
84	BOSTON COL	1,252	0	0	0	0	0	0	1,195	0	0	49	0	8
85	THOS JEFFERSON UNIV HOSP	1,239	0	0	0	0	0	0	1,216	0	0	23	0	0
86	UNIV OF P R SAN JUAN	1,236	0	0	0	0	0	0	1,236	0	0	0	0	0
87	TUFTS UNIV	1,188	0	0	0	0	0	63	1,039	0	0	86	0	0
88	UNIV OF MD COLLEGE PARK	1,182	0	2	0	0	0	85	742	0	99	254	0	0
89	UNIV OF NEW MEXICO	1,175	0	60	0	0	0	0	996	0	0	119	0	0
90	UNIV OF VERMONT	1,163	0	0	0	0	0	0	1,094	0	0	69	0	0
91	U OF ALA IN TUSCALOOSA	1,142	0	0	0	0	0	49	895	0	107	91	0	0
92	DARTMOUTH COL	1,136	0	0	0	0	0	0	1,009	0	0	127	0	0
93	UNIV OF CAL IRVINE	1,117	0	0	0	0	0	0	1,014	0	0	103	0	0
94	UNIV OF LOUISVILLE	1,080	0	0	0	0	0	0	1,022	0	0	58	0	0
95	HAHNEMANN MED COL & HOSP	1,069	0	0	0	0	0	0	1,011	0	0	58	0	0
96	UNIV OF MISSISSIPPI	1,035	0	0	0	0	0	0	919	0	0	116	0	0
97	BROWN UNIV	1,008	0	0	0	0	0	0	749	0	0	248	0	11
98	UNIV OF DENVER	988	0	0	0	0	0	0	902	0	0	86	0	0
99	CATHOLIC UNIV OF AMERICA	966	0	0	0	0	0	0	864	0	0	102	0	0
100	WAKE FOREST UNIV	963	0	1	0	0	0	0	908	0	0	54	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-14

FEDERAL OBLIGATIONS FOR GENERAL SUPPORT FOR SCIENCE TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	99,569	0	0	221	0	0	0	40,209	1,138	0	56,892	0	1,209
	TOTAL, 100 INSTITUTIONS	75,981	0	0	221	0	0	0	34,027	533	0	40,498	0	702
1	UNIV OF PENNSYLVANIA	2,387	0	0	0	0	0	0	758	0	0	1,629	0	0
2	UNIV OF IOWA	2,383	0	0	0	0	0	0	498	0	0	1,885	0	0
3	UNIV OF WASHINGTON	2,334	0	0	0	0	0	0	657	0	0	1,677	0	0
4	UNIV OF WISCONSIN MADISON	2,311	0	0	0	0	0	0	550	33	0	1,728	0	0
5	UNIV OF N C AT CHAP HILL	2,297	0	0	0	0	0	0	625	0	0	1,672	0	0
6	YALE UNIV	2,198	0	0	0	0	0	0	579	0	0	1,619	0	0
7	CARNEGIE MELLON UNIV	2,112	0	0	0	0	0	0	40	0	0	2,072	0	0
8	UNIV OF TEXAS AT AUSTIN	1,918	0	0	0	0	0	0	91	0	0	1,827	0	0
9	UNIV OF COLORADO	1,870	0	0	53	0	0	0	870	0	0	947	0	0
10	TULANE UNIV	1,438	0	0	0	0	0	0	360	0	0	1,078	0	0
11	CAL INST OF TECH	1,420	0	0	0	0	0	0	116	0	0	1,304	0	0
12	RUTGERS UNIVERSITY	1,419	0	0	0	0	0	0	281	32	0	1,106	0	0
13	SUNY ST U ALBANY	1,418	0	0	0	0	0	0	54	0	0	1,364	0	0
14	UNIV OF ROCHESTER	1,375	0	0	0	0	0	0	390	0	0	985	0	0
15	N C STATE UNIV AT RALEIGH	1,261	0	0	0	0	0	0	70	18	0	1,135	0	38
16	UNIV OF MD COLLEGE PARK	1,237	0	0	0	0	0	0	45	19	0	1,173	0	0
17	UNIV OF UTAH	1,234	0	0	0	0	0	0	336	0	0	813	0	85
18	UNIV OF CAL SAN DIEGO	1,187	0	0	0	0	0	0	405	0	0	782	0	0
19	DUKE UNIV	1,155	0	0	0	0	0	0	1,041	0	0	114	0	0
20	UNIV OF KANSAS	1,152	0	0	0	0	0	0	1,032	0	0	120	0	0
21	UNIV OF MINNESOTA	1,031	0	0	0	0	0	0	703	29	0	299	0	0
22	UNIV OF NOTRE DAME	1,028	0	0	0	0	0	0	60	0	0	968	0	0
23	UNIV OF CAL LOS ANGELES	998	0	0	0	0	0	0	710	5	0	198	0	85
24	UNIV OF MICHIGAN	987	0	0	0	0	0	0	817	0	0	170	0	0
25	HARVARD UNIV	968	0	0	0	0	0	0	854	0	0	114	0	0
26	EMORY UNIV	944	0	0	0	0	0	0	345	0	0	599	0	0
27	STANFORD UNIV	916	0	0	0	0	0	0	467	0	0	449	0	0
28	UNIV OF CAL DAVIS	890	0	0	0	0	0	0	803	0	0	87	0	0
29	JOHNS HOPKINS UNIV	852	0	0	0	0	0	0	700	0	0	152	0	0
30	COLUMBIA UNIV	851	0	0	0	0	0	0	659	0	0	192	0	0
31	WASHINGTON UNIV	836	0	0	0	0	0	0	752	0	0	84	0	0
32	VANDERBILT UNIV	834	0	0	0	0	0	0	783	0	0	51	0	0
33	CORNELL UNIV	820	0	0	0	0	0	0	514	37	0	190	0	79
34	PURDUE UNIV	817	0	0	0	0	0	0	584	21	0	212	0	0
35	SOUTHERN METHODIST UNIV	757	0	0	0	0	0	0	0	0	0	672	0	85
36	WASHINGTON STATE UNIV	748	0	0	0	0	0	0	111	28	0	609	0	0
37	UNIV OF OREGON - EUGENE	711	0	0	0	0	0	0	418	0	0	208	0	85
38	UNIV OF MASS AMHERST	692	0	0	0	0	0	0	0	25	0	667	0	0
39	UNIV OF PITTSBURGH	671	0	0	0	0	0	0	549	0	0	122	0	0
40	TEXAS A & M UNIV	668	0	0	0	0	0	0	85	32	0	551	0	0
41	UNIV OF CAL BERKELEY	667	0	0	0	0	0	0	326	0	0	341	0	0
42	UNIV OF MISSOURI COLUMBIA	649	0	0	0	0	0	0	305	21	0	239	0	84
43	NEW YORK UNIV	639	0	0	0	0	0	0	533	0	0	106	0	0
44	UNIV OF VIRGINIA	620	0	0	0	0	0	0	300	0	0	320	0	0
45	MICHIGAN STATE UNIV	617	0	0	0	0	0	0	277	28	0	312	0	0
46	CASE WESTERN RESERVE UNIV	595	0	0	0	0	0	0	494	0	0	101	0	0
47	UNIV OF CAL SANTA BARBARA	594	0	0	0	0	0	0	60	0	0	534	0	0
48	U OF ALA IN BIRMINGHAM	592	0	0	0	0	0	0	515	0	0	77	0	0
49	OHIO STATE UNIV	574	0	0	0	0	0	0	442	29	0	103	0	0
50	UNIV OF CHICAGO	551	0	0	0	0	0	0	443	0	0	108	0	0
51	UNIV OF SOUTHERN CAL	544	0	0	0	0	0	0	427	0	0	117	0	0
52	UNIV OF MONTANA	541	0	0	0	0	0	0	0	0	0	541	0	0
53	SUNY ST U BUFFALO	533	0	0	0	0	0	0	485	0	0	48	0	0
54	YESHIVA UNIV	514	0	0	0	0	0	0	423	0	0	91	0	0
55	UNIV OF DELAWARE	511	0	0	0	0	0	0	0	14	0	497	0	0
56	NORTHWESTERN UNIV	503	0	0	0	0	0	0	358	0	0	145	0	0
57	TEXAS TECH UNIVERSITY	502	0	0	0	0	0	0	0	0	0	502	0	0

55 UNIV OF DELAWARE	511	0	0	0	0	0	0	0	14	0	497	0	0
56 NORTHWESTERN UNIV	503	0	0	0	0	0	0	358	0	0	145	0	0
57 TEXAS TECH UNIVERSITY	502	0	0	0	0	0	0	0	0	0	502	0	0
18 UNIV OF CAL SAN DIEGO	1,187	0	0	0	0	0	0	405	0	0	782	0	0
19 DUKE UNIV	1,155	0	0	0	0	0	0	1,041	0	0	114	0	0
20 UNIV OF KANSAS	1,152	0	0	0	0	0	0	1,032	0	0	120	0	0
21 UNIV OF MINNESOTA	1,031	0	0	0	0	0	0	703	29	0	299	0	0
22 UNIV OF NOTRE DAME	1,028	0	0	0	0	0	0	60	0	0	968	0	0
23 UNIV OF CAL LOS ANGELES	998	0	0	0	0	0	0	710	5	0	198	0	85
24 UNIV OF MICHIGAN	987	0	0	0	0	0	0	817	0	0	170	0	0
25 HARVARD UNIV	968	0	0	0	0	0	0	854	0	0	114	0	0
26 EMORY UNIV	944	0	0	0	0	0	0	345	0	0	599	0	0
27 STANFORD UNIV	916	0	0	0	0	0	0	467	0	0	449	0	0
28 UNIV OF CAL DAVIS	890	0	0	0	0	0	0	803	0	0	87	0	0
29 JOHNS HOPKINS UNIV	852	0	0	0	0	0	0	700	0	0	152	0	0
30 COLUMBIA UNIV	851	0	0	0	0	0	0	659	0	0	192	0	0
31 WASHINGTON UNIV	836	0	0	0	0	0	0	752	0	0	84	0	0
32 VANDERBILT UNIV	834	0	0	0	0	0	0	783	0	0	51	0	0
33 CORNELL UNIV	820	0	0	0	0	0	0	514	37	0	190	0	79
34 PURDUE UNIV	817	0	0	0	0	0	0	584	21	0	212	0	0
35 SOUTHERN METHODIST UNIV	757	0	0	0	0	0	0	0	0	0	672	0	85
36 WASHINGTON STATE UNIV	748	0	0	0	0	0	0	111	28	0	609	0	0
37 UNIV OF OREGON - EUGENE	711	0	0	0	0	0	0	418	0	0	208	0	85
38 UNIV OF MASS AMHERST	692	0	0	0	0	0	0	0	25	0	667	0	0
39 UNIV OF PITTSBURGH	671	0	0	0	0	0	0	549	0	0	122	0	0
40 TEXAS A & M UNIV	668	0	0	0	0	0	0	85	32	0	551	0	0
41 UNIV OF CAL BERKELEY	667	0	0	0	0	0	0	326	0	0	341	0	0
42 UNIV OF MISSOURI COLUMBIA	649	0	0	0	0	0	0	305	21	0	239	0	84
43 NEW YORK UNIV	639	0	0	0	0	0	0	533	0	0	106	0	0
44 UNIV OF VIRGINIA	620	0	0	0	0	0	0	300	0	0	320	0	0
45 MICHIGAN STATE UNIV	617	0	0	0	0	0	0	277	28	0	312	0	0
46 CASE WESTERN RESERVE UNIV	595	0	0	0	0	0	0	494	0	0	101	0	0
47 UNIV OF CAL SANTA BARBARA	594	0	0	0	0	0	0	60	0	0	534	0	0
48 U OF ALA IN BIRMINGHAM	592	0	0	0	0	0	0	515	0	0	77	0	0
49 OHIO STATE UNIV	574	0	0	0	0	0	0	442	29	0	103	0	0
50 UNIV OF CHICAGO	551	0	0	0	0	0	0	443	0	0	108	0	0
51 UNIV OF SOUTHERN CAL	544	0	0	0	0	0	0	427	0	0	117	0	0
52 UNIV OF MONTANA	541	0	0	0	0	0	0	0	0	0	541	0	0
53 SUNY ST U BUFFALO	533	0	0	0	0	0	0	485	0	0	48	0	0
54 YESHIVA UNIV	514	0	0	0	0	0	0	423	0	0	91	0	0
55 UNIV OF DELAWARE	511	0	0	0	0	0	0	0	14	0	497	0	0
56 NORTHWESTERN UNIV	503	0	0	0	0	0	0	358	0	0	145	0	0
57 TEXAS TECH UNIVERSITY	502	0	0	0	0	0	0	0	0	0	502	0	0
58 CLAREMONT GRADUATE SCHOOL	499	0	0	0	0	0	0	0	0	0	499	0	0
59 UNIV OF CAL SAN FRANCISCO	494	0	0	0	0	0	0	494	0	0	0	0	0
60 UNIV OF FLORIDA	494	0	0	0	0	0	0	345	22	0	127	0	0
61 PENNSYLVANIA STATE UNIV	487	0	0	0	0	0	0	241	20	0	226	0	0
62 TEMPLE UNIV	482	0	0	0	0	0	0	318	0	0	126	0	38
63 RICE UNIV	475	0	0	0	0	0	0	384	0	0	91	0	0
64 UNIV OF MIAMI	441	0	0	8	0	0	0	346	0	0	87	0	0
65 UNIV OF MISSISSIPPI	426	0	0	0	0	0	0	252	0	0	174	0	0
66 BOSTON UNIV	401	0	0	0	0	0	0	352	0	0	49	0	0
67 UNIV OF OKLAHOMA	397	0	0	96	0	0	0	192	0	0	109	0	0
68 UNIV OF HAWAII	395	0	0	0	0	0	0	229	28	0	138	0	0
69 OKLAHOMA STATE UNIV	389	0	0	0	0	0	0	94	5	0	252	0	38
70 SYRACUSE UNIV	384	0	0	0	0	0	0	56	0	0	328	0	0
71 BAYLOR COL OF MEDICINE	383	0	0	0	0	0	0	383	0	0	0	0	0
72 CUNY MT SINAI SCH OF MED	382	0	0	0	0	0	0	382	0	0	0	0	0
73 WAYNE STATE UNIV	379	0	0	0	0	0	0	254	0	0	125	0	0
74 UNIV OF ILLINOIS-URBANA	376	0	0	0	0	0	0	165	31	0	180	0	0
75 MASS INST OF TECH	376	0	0	0	0	0	0	176	0	0	200	0	0

TABLE B-14
CONTINUED

FEDERAL OBLIGATIONS FOR GENERAL SUPPORT FOR SCIENCE TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
76	WEST VIRGINIA UNIV	375	0	0	0	0	0	0	138	21	0	131	0	85
77	UNIV OF ILLINOIS-MED CTR	375	0	0	0	0	0	0	375	0	0	0	0	0
78	UNIV OF KENTUCKY	356	0	0	0	0	0	0	275	2	0	79	0	0
79	GEORGETOWN UNIV	344	0	0	0	0	0	0	293	0	0	51	0	0
80	UNIV OF CONNECTICUT	343	0	0	0	0	0	0	278	14	0	51	0	0
81	U TEX SW MED SCH DALLAS	340	0	0	0	0	0	0	340	0	0	0	0	0
82	INDIANA UNIV-INDIANAPOLIS	319	0	0	0	0	0	0	305	0	0	14	0	0
83	BROWN UNIV	315	0	0	0	0	0	0	232	0	0	83	0	0
84	UNIV OF ARK	306	0	0	0	0	0	0	175	19	0	112	0	0
85	UNIV OF CINCINNATI	305	0	0	0	0	0	0	255	0	0	50	0	0
86	TUFTS UNIV	290	0	0	0	0	0	0	242	0	0	48	0	0
87	U TEX HOUSTON MED SCHOOL	286	0	0	0	0	0	0	286	0	0	0	0	0
88	VA COMMONWEALTH UNIV	285	0	0	0	0	0	0	266	0	0	19	0	0
89	SUNY DOWNSTATE MED CTR	281	0	0	0	0	0	0	281	0	0	0	0	0
90	DARTMOUTH COL	280	0	0	0	0	0	0	224	0	0	56	0	0
91	EASTERN MICHIGAN UNIV	277	0	0	0	0	0	0	0	0	0	277	0	0
92	NEW YORK MEDICAL COL	277	0	0	0	0	0	0	261	0	0	16	0	0
93	LUTHER COL	271	0	0	0	0	0	0	0	0	0	271	0	0
94	UNIV OF MD BALTIMORE	268	0	0	0	0	0	0	268	0	0	0	0	0
95	GEORGE WASHINGTON UNIV	262	0	0	0	0	0	0	186	0	0	76	0	0
96	ST LOUIS UNIV	261	0	0	0	0	0	0	241	0	0	20	0	0
97	U OREGON MEDICAL SCHOOL	260	0	0	0	0	0	0	260	0	0	0	0	0
98	PRINCETON UNIV	259	0	0	64	0	0	0	83	0	0	112	0	0
99	CENTRAL STATE COL	258	0	0	0	0	0	0	0	0	0	258	0	0
100	FRANKLIN AND MARSHALL COL	257	0	0	0	0	0	0	0	0	0	257	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

Table B-15. Federal R&D obligations to universities and colleges, by detailed field of science and agency, FY 1971[a]

[Dollars in thousands]

Field of science	Total	USDA	AEC	Commerce	DDD	OED	EPA	HEW	Interior	NASA	NSF	DDT	Other[b]
Total, all fields	1,544,130	74,793	95,862	6,887	241,773	16,378	17,027	695,717	21,277	128,531	216,883	7,977	21,025
Physical sciences, total	263,026	5,547	57,364	515	64,404	.....	3,732	19,878	1,870	54,603	55,113	.....	.....
Astronomy	29,891	.....	.....	.....	1,182	.....	25	.....	.....	22,795	5,889	.....	.....
Chemistry	75,215	5,457	8,711	.....	12,833	.....	3,657	19,255	436	5,777	19,089	.....	.....
Physics	155,219	.....	48,548	515	50,389	.....	50	439	1,399	23,744	30,135	.....	.....
Physical sciences, n.e.c.	2,701	90	105	.....	.....	.....	.....	184	35	2,287	.....	.....	.....
Mathematics	41,422	558	2,931	.....	11,663	.....	126	8,785	20	777	16,562	.....	.....
Environmental sciences, total	134,283	475	4,199	4,254	40,221	.....	4,370	520	8,641	26,341	43,999	66	1,197
Atmospheric sciences	41,414	14	614	1,018	8,372	.....	3,345	.....	3,550	11,679	12,822	.....	.....
Geological sciences	37,892	461	791	302	14,002	.....	90	.....	5,050	7,386	8,613	.....	1,197
Oceanography	43,551	.....	2,752	2,872	17,847	.....	561	.....	25	105	19,389	.....	.....
Environmental sciences, n.e.c.	11,426	.....	42	62	.....	.....	374	520	16	7,171	3,175	66	.....
Engineering, total	160,216	3,166	5,004	411	73,577	.....	1,988	10,181	5,867	31,103	24,310	3,499	1,110
Aeronautical	9,874	.....	123	8	3,596	.....	.....	.....	.....	5,376	771	.....	.....
Astronautical	16,539	.....	.....	.....	123	.....	35	.....	.....	16,381	.....	.....	.....
Chemical	5,883	40	61	.....	1,169	.....	.....	.....	205	200	4,208	.....	.....
Civil	14,881	.....	.....	.....	4,573	.....	587	.....	2,812	172	5,627	.....	1,110
Electrical	52,193	.....	22	.....	42,745	.....	113	54	88	4,422	4,749	.....	.....
Mechanical	7,496	.....	140	.....	2,121	.....	13	.....	4	1,595	3,623	.....	.....
Metallurgy & materials	23,218	.....	2,198	.....	13,267	.....	313	28	2,226	1,380	3,806	.....	.....
Engineering, n.e.c.	30,132	3,126	2,460	403	5,983	.....	927	10,099	532	1,577	1,526	3,499	.....
Life sciences, total	741,481	52,476	26,364	683	25,264	335	3,839	566,633	2,243	11,576	46,491	.....	5,577
Biological	423,671	52,277	22,664	680	18,160	.....	718	268,876	2,167	6,955	46,491	.....	4,683
Clinical medical	250,248	199	3,452	.....	3,642	335	633	239,969	.....	1,284	.....	.....	734
Other medical	62,758	.....	86	.....	1,825	.....	2,466	57,781	76	516	.....	.....	8
Life sciences, n.e.c.	4,804	.....	162	3	1,637	.....	22	7	.....	2,821	.....	.....	152
Psychology, total	57,080	10	.....	.....	11,254	1,700	750	33,433	54	1,496	7,383	.....	1,000
Biological aspects	22,920	.....	.....	.....	3,088	.....	637	12,558	.....	1,094	5,543	.....	.....
Social aspects	20,876	10	.....	.....	7,078	1,700	13	9,348	54	30	1,643	.....	1,000
Psychological sciences, n.e.c.	13,284	.....	.....	.....	1,088	.....	100	11,527	.....	372	197	.....	.....
Social sciences, total	106,162	10,218	.....	538	8,544	14,343	179	39,972	1,297	387	18,543	.....	12,141
Anthropology	3,730	.....	.....	.....	.....	.....	.....	1,140	11	.....	2,579	.....	.....
Economics	22,968	9,889	.....	529	1,104	1,201	179	1,133	512	.....	4,511	.....	3,910
History	722	4	.....	.....	.....	.....	.....	87	.....	17	614	.....	.....
Linguistics	4,221	.....	.....	.....	1,730	.....	.....	1,254	.....	3	1,234	.....	.....
Political science	2,535	.....	.....	.....	.....	.....	.....	162	.....	319	1,167	.....	887
Sociology	21,589	325	.....	.....	965	7,458	.....	8,786	47	.....	2,636	.....	1,372
Social sciences, n.e.c.	50,397	.....	.....	9	4,745	5,684	.....	27,410	727	48	5,802	.....	5,972
Other sciences, n.e.c.	40,460	2,343	.....	486	6,846	.....	2,043	16,315	1,285	2,248	4,482	4,412	.....

[a]Table includes imputations for some $62 million in HEW R&D obligations, representing grants and contracts for which HEW was unable to provide field of science breaks.

[b]Includes AID, HUD, and Labor.

SOURCE: National Science Foundation (CASE).

Table B-16. Federal obligations for fellowships, traineeships, and training grants to universities and colleges, by detailed field of science and agency, FY 1971[a]

[Dollars in thousands]

Field of science	Total	USDA	AEC	Commerce	DOD	OEO	EPA	HEW	Interior	NASA	NSF	DOT	Other[b]
Total, all fields	421,029	.....	2,606	25	.....	.....	10,133	361,440	38	1,044	42,293	2,847	603
Physical sciences, total	15,821	.....	469	.....	.....	.....	359	9,273	.....	.....	5,720	.....	.....
Astronomy	500	.....	.....	.....	.....	.....	.....	253	.....	.....	247	.....	.....
Chemistry	10,229	.....	255	.....	.....	.....	211	6,451	.....	.....	3,312	.....	.....
Physics	4,993	.....	214	.....	.....	.....	79	2,569	.....	.....	2,131	.....	.....
Physical sciences, n.e.c.	99	.....	.....	.....	.....	.....	69	.....	.....	.....	30	.....	.....
Mathematics	9,276	.....	19	.....	.....	.....	.....	6,066	.....	.....	3,191	.....	.....
Environmental sciences, total	5,385	.....	6	25	.....	.....	368	3,297	30	.....	758	901	.....
Atmospheric sciences	89	.....	.....	.....	.....	.....	.....	.....	.....	.....	89	.....	.....
Geological sciences	2,010	.....	.....	.....	.....	.....	66	1,321	30	.....	593	.....	.....
Oceanography	490	.....	.....	25	.....	.....	.....	399	.....	.....	66	.....	.....
Environmental sciences, n.e.c.	2,796	.....	6	.....	.....	.....	302	1,577	.....	.....	10	901	.....
Engineering, total	22,085	.....	1,456	.....	.....	.....	6,700	9,475	.....	1,019	2,094	1,341	.....
Aeronautical	94	.....	.....	.....	.....	.....	.....	.....	.....	.....	94	.....	.....
Astronautical	196	.....	3	.....	.....	.....	.....	193	.....	.....	.....	.....	.....
Chemical	1,526	.....	8	.....	.....	.....	501	719	.....	.....	298	.....	.....
Civil	4,996	.....	.....	.....	.....	.....	3,866	988	.....	.....	142	.....	.....
Electrical	1,613	.....	4	.....	.....	.....	.....	1,084	.....	.....	525	.....	.....
Mechanical	1,623	.....	.....	.....	.....	.....	284	1,034	.....	.....	305	.....	.....
Metallurgy and materials	731	.....	18	.....	.....	.....	51	476	.....	.....	186	.....	.....
Engineering, n.e.c.	11,306	.....	1,423	.....	.....	.....	1,998	4,981	.....	1,019	544	1,341	.....
Life sciences, total	225,177	.....	218	.....	.....	.....	2,083	218,385	.....	.....	4,491	.....	.....
Biological	69,885	.....	107	.....	.....	.....	547	64,740	.....	.....	4,491	.....	.....
Clinical medical	129,545	.....	.....	.....	.....	.....	53	129,492	.....	.....	.....	.....	.....
Other medical sciences	19,697	.....	5	.....	.....	.....	901	18,791	.....	.....	.....	.....	.....
Life sciences, n.e.c.	6,050	.....	106	.....	.....	.....	582	5,362	.....	.....	.....	.....	.....
Psychology, total	42,491	.....	.....	.....	.....	.....	.....	41,333	.....	.....	1,158	.....	.....
Biological aspects	17,289	.....	.....	.....	.....	.....	.....	17,281	.....	.....	8	.....	.....
Social aspects	16,477	.....	.....	.....	.....	.....	.....	15,786	.....	.....	691	.....	.....
Psychological sciences, n.e.c.	8,725	.....	.....	.....	.....	.....	.....	8,266	.....	.....	459	.....	.....
Social sciences, total	66,676	.....	.....	.....	.....	.....	208	63,476	.....	.....	2,389	.....	603
Anthropology	3,663	.....	.....	.....	.....	.....	.....	3,183	.....	.....	480	.....	.....
Economics	1,132	.....	.....	.....	.....	.....	22	6	.....	.....	685	.....	419
History	233	.....	.....	.....	.....	.....	.....	56	.....	.....	177	.....	.....
Linguistics	826	.....	.....	.....	.....	.....	.....	647	.....	.....	179	.....	.....
Political science	411	.....	.....	.....	.....	.....	144	11	.....	.....	256	.....	.....
Sociology	30,811	.....	.....	.....	.....	.....	.....	30,262	.....	.....	365	.....	184
Social sciences, n.e.c.	29,600	.....	.....	.....	.....	.....	42	29,311	.....	.....	247	.....	.....
Other sciences, n.e.c.	34,118	.....	438	.....	.....	.....	415	10,135	8	25	22,492	605	.....

[a]Table includes imputations for some $28 million in HEW fellowship and training obligations, representing grants for which HEW was unable to provide field of science breaks.

[b]Includes only Labor.

SOURCE: National Science Foundation (CASE).

B-17. Federal obligations to universities and colleges, by agency and type of control, FY 1971

B-17. Federal obligations to universities and colleges, by agency and type of control, FY 1971

Engineering, total	22,085	------	1,436	------	------	------	6,700	9,475	------	1,019	2,094	1,341	------
Aeronautical	94	------	------	------	------	------	------	------	------	------	94	------	------
Astronautical	196	------	3	------	------	------	------	193	------	------	------	------	------
Chemical	1,526	------	8	------	------	------	501	719	------	------	298	------	------
Civil	4,996	------	------	------	------	------	3,866	988	------	------	142	------	------
Electrical	1,613	------	4	------	------	------	------	1,084	------	------	525	------	------
Mechanical	1,623	------	------	------	------	------	284	1,034	------	------	305	------	------
Metallurgy and materials	731	------	18	------	------	------	51	476	------	------	186	------	------
Engineering, n.e.c.	11,306	------	1,423	------	------	------	1,998	4,981	------	1,019	544	1,341	------
Life sciences, total	225,177	------	218	------	------	------	2,083	218,385	------	------	4,491	------	------
Biological	69,885	------	107	------	------	------	547	64,740	------	------	4,491	------	------
Clinical medical	129,545	------	------	------	------	------	53	129,492	------	------	------	------	------
Other medical sciences	19,697	------	5	------	------	------	901	18,791	------	------	------	------	------
Life sciences, n.e.c.	6,050	------	106	------	------	------	582	5,362	------	------	------	------	------
Psychology, total	42,491	------	------	------	------	------	------	41,333	------	------	1,158	------	------
Biological aspects	17,289	------	------	------	------	------	------	17,281	------	------	8	------	------
Social aspects	16,477	------	------	------	------	------	------	15,786	------	------	691	------	------
Psychological sciences, n.e.c.	8,725	------	------	------	------	------	------	8,266	------	------	459	------	------
Social sciences, total	66,676	------	------	------	------	------	208	63,476	------	------	2,389	------	603
Anthropology	3,663	------	------	------	------	------	------	3,183	------	------	480	------	------
Economics	1,132	------	------	------	------	------	22	6	------	------	685	------	419
History	233	------	------	------	------	------	------	56	------	------	177	------	------
Linguistics	826	------	------	------	------	------	------	647	------	------	179	------	------
Political science	411	------	------	------	------	------	144	11	------	------	256	------	------
Sociology	30,811	------	------	------	------	------	------	30,262	------	------	365	------	184
Social sciences, n.e.c.	29,600	------	------	------	------	------	42	29,311	------	------	247	------	------
Other sciences, n.e.c.	34,118	------	438	------	------	------	415	10,135	8	25	22,492	605	------

[a]Table includes imputations for some $28 million in HEW fellowship and training obligations, representing grants for which HEW was unable to provide field of science breaks.

[b]Includes only Labor.

SOURCE: National Science Foundation (CASE).

B-17. Federal obligations to universities and colleges, by agency and type of control, FY 1971

[Dollars in thousands]

	Total		Public			Private		
Agency	Amount	Vertical percent distribution	Amount	Vertical percent distribution	Percent of agency total	Amount	Vertical percent distribution	Percent of agency total
Total	3,480,150	100.00	2,105,588	100.00	60.50	1,374,562	100.00	39.50
USDA	214,597	6.17	206,819	9.82	96.38	7,778	.57	3.62
AEC	105,836	3.04	56,389	2.68	53.28	49,447	3.60	46.72
Commerce	9,673	.28	7,339	.35	75.87	2,334	.17	24.13
DOD	241,773	6.95	130,154	6.18	53.83	111,619	8.12	46.17
OEO	37,521	1.08	20,840	.99	55.54	16,681	1.21	44.46
EPA	27,160	.78	20,055	.95	73.84	7,105	.52	26.16
HEW	2,263,406	65.04	1,321,702	62.77	58.39	941,704	68.51	41.61
Interior	22,617	.65	19,532	.93	86.36	3,085	.22	13.64
NASA	134,054	3.85	65,555	3.11	48.90	68,499	4.98	51.10
NSF	387,737	11.14	232,421	11.04	59.94	155,316	11.30	40.06
DOT	10,824	.31	6,464	.31	59.72	4,360	.32	40.28
Other[a]	24,952	.72	18,318	.87	73.41	6,634	.48	26.59

[a]Includes AID, HUD, and Labor.

SOURCE: National Science Foundation (CASE).

TABLE B-18

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	ACADEMIC SCIENCE: R&D PLANT	ACADEMIC SCIENCE: FACIL. FOR INSTR. IN SCI. & ENG.	ACADEMIC SCIENCE: FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	ACADEMIC SCIENCE: GENERAL SUPPORT FOR SCIENCE	ACADEMIC SCIENCE: OTHER SCIENCE	NON-SCIENCE
UNITED STATES, TOTAL										
PUBLIC	AMT	2,105,588	1,415,515	886,428	20,562	18,955	241,166	63,120	185,284	690,073
	NO.	1,126	648	315	54	280	411	366	292	1,118
PRIVATE	AMT	1,374,562	920,353	657,702	9,380	9,774	179,863	36,549	27,085	454,209
	NO.	1,242	626	262	32	176	384	348	217	1,226
NEW ENGLAND, TOTAL										
PUBLIC	AMT	55,954	36,591	21,790	152	647	5,939	1,985	6,078	19,363
	NO.	71	36	13	2	12	25	16	13	71
PRIVATE	AMT	285,341	242,642	187,904	3,676	2,593	37,587	5,[illegible]22	4,990	42,699
	NO.	150	78	41	7	25	51	[illegible]	27	146
MAINE										
PUBLIC	AMT	5,254	2,890	1,321	0	16	387	98	1,068	2,364
	NO.	8	5	2	0	2	4	1	2	8
PRIVATE	AMT	1,578	418	30	0	11	34	17	324	1,160
	NO.	12	5	1	0	2	1	3	2	12
NEW HAMPSHIRE										
PUBLIC	AMT	5,429	3,819	2,606	0	0	236	161	816	1,610
	NO.	6	3	1	0	0	2	1	2	6
PRIVATE	AMT	13,928	8,084	4,077	1,697	141	1,172	284	713	5,844
	NO.	15	8	3	1	6	4	2	2	14
VERMONT										
PUBLIC	AMT	8,717	5,926	3,714	0	14	1,163	257	778	2,791
	NO.	5	2	1	0	1	1	1	1	5
PRIVATE	AMT	1,504	552	322	0	67	153	10	0	952
	NO.	13	9	3	0	2	9	1	0	13
MASSACHUSETTS										
PUBLIC	AMT	17,108	10,669	6,346	80	222	1,425	889	1,707	6,439
	NO.	31	15	6	1	2	12	8	5	31
PRIVATE	AMT	214,407	189,444	152,477	1,721	2,219	26,706	2,786	3,535	24,963
	NO.	81	40	22	5	9	26	28	18	79
RHODE ISLAND										
PUBLIC	AMT	5,815	3,957	2,582	72	296	336	155	516	1,858
	NO.	3	3	1	1	2	2	2	1	3
PRIVATE	AMT	10,373	8,563	6,889	0	55	1,077	327	215	1,810
	NO.	10	4	2	0	1	3	3	1	10
CONNECTICUT										
PUBLIC	AMT	13,631	9,330	5,221	0	99	2,392	425	1,193	4,301
	NO.	18	8	2	0	5	4	3	2	18
PRIVATE	AMT	43,551	35,581	24,109	258	100	8,443	2,468	203	7,970
	NO.	19	12	10	1	5	8	8	4	18
MIDDLE ATLANTIC, TOTAL										
PUBLIC	AMT	238,009	155,906	100,284	143	2,248	32,898	9,440	10,893	82,103
	NO.	129	86	37	5	25	51	49	41	126
PRIVATE	AMT	331,564	247,144	171,674	3,546	1,548	50,101	10,155	10,120	84,420
	NO.	247	133	66	12	36	79	84	56	241
NEW YORK										
PUBLIC	AMT	86,669	50,242	33,370	5	1,327	10,742	3,571	1,227	36,427
	NO.	74	46	24	1	10	26	30	17	72
PRIVATE	AMT	253,327	200,884	139,795	3,382	1,095	41,987	6,028	8,597	52,443
	NO.	128	65	37	8	17	41	44	27	123

PRIVATE	AMT	253,327	200,884	139,795	3,382	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	NO.	128	65	37	8	17	41	44	27	123
PRIVATE	AMT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	NO.	12	5	1	0	2	1	3	2	12
NEW HAMPSHIRE										
PUBLIC	AMT	5,429	3,819	2,606	0	0	236	161	816	1,610
	NO.	6	3	1	0	0	2	1	2	6
PRIVATE	AMT	13,928	8,084	4,077	1,697	141	1,172	294	713	5,844
	NO.	15	8	3	1	6	4	2	2	14
VERMONT										
PUBLIC	AMT	8,717	5,926	3,714	0	14	1,163	257	778	2,791
	NO.	5	2	1	0	1	1	1	1	5
PRIVATE	AMT	1,504	552	322	0	67	153	10	0	952
	NO.	13	9	3	0	2	9	1	0	13
MASSACHUSETTS										
PUBLIC	AMT	17,108	10,669	6,346	80	222	1,425	889	1,707	6,439
	NO.	31	15	6	1	2	12	8	5	31
PRIVATE	AMT	214,407	189,444	152,477	1,721	2,219	26,706	2,786	3,535	24,963
	NO.	81	40	22	5	9	26	28	18	79
RHODE ISLAND										
PUBLIC	AMT	5,815	3,957	2,582	72	296	336	155	516	1,858
	NO.	3	3	1	1	2	2	2	1	3
PRIVATE	AMT	10,373	8,563	6,889	0	55	1,077	327	215	1,810
	NO.	10	4	2	0	1	3	3	1	10
CONNECTICUT										
PUBLIC	AMT	13,631	9,330	5,221	0	99	2,392	425	1,193	4,301
	NO.	18	8	2	0	5	4	3	2	18
PRIVATE	AMT	43,551	35,581	24,109	258	100	8,443	2,468	203	7,970
	NO.	19	12	10	1	5	8	8	4	18
MIDDLE ATLANTIC, TOTAL										
PUBLIC	AMT	238,009	155,906	100,284	143	2,248	32,898	9,440	10,893	82,103
	NO.	129	86	37	5	25	51	49	41	126
PRIVATE	AMT	331,564	247,144	171,674	3,546	1,548	50,101	10,155	10,120	84,420
	NO.	247	133	66	12	36	79	84	56	241
NEW YORK										
PUBLIC	AMT	86,669	50,242	33,370	5	1,327	10,742	3,571	1,227	36,427
	NO.	74	46	24	1	10	26	30	17	72
PRIVATE	AMT	253,327	200,884	139,795	3,382	1,095	41,987	6,028	8,597	52,443
	NO.	128	65	37	8	17	41	44	27	123
NEW JERSEY										
PUBLIC	AMT	32,703	17,217	9,399	13	289	2,989	1,739	2,788	15,486
	NO.	25	16	6	1	6	11	7	15	24
PRIVATE	AMT	22,926	17,541	14,575	124	38	1,794	766	244	5,385
	NO.	25	12	5	2	2	6	9	10	25
PENNSYLVANIA										
PUBLIC	AMT	118,637	88,447	57,515	125	632	19,167	4,130	6,878	30,190
	NO.	30	24	7	3	9	14	12	9	30
PRIVATE	AMT	55,311	28,719	17,304	40	415	6,320	3,361	1,279	26,592
	NO.	94	56	24	2	17	32	31	19	93

TABLE B-18
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON-SCIENCE
EAST NORTH CENTRAL, TOTAL										
PUBLIC	AMT	370,513	270,924	176,309	1,231	2,193	46,737	8,574	35,880	99,589
	NO.	147	79	45	8	44	48	48	37	146
PRIVATE	AMT	159,377	105,326	71,724	382	643	25,456	4,313	2,808	54,051
	NO.	215	101	44	4	33	64	55	30	213
OHIO										
PUBLIC	AMT	59,165	39,034	19,243	88	383	5,763	1,154	12,403	20,131
	NO.	21	14	11	1	3	13	12	8	21
PRIVATE	AMT	50,852	32,971	21,141	15	268	9,706	1,123	718	17,881
	NO.	60	29	14	1	13	19	17	11	60
INDIANA										
PUBLIC	AMT	53,839	38,238	24,650	177	199	6,672	1,385	5,155	15,601
	NO.	10	9	5	2	5	6	6	5	10
PRIVATE	AMT	10,934	6,697	3,750	145	10	757	1,210	825	4,237
	NO.	33	14	3	1	1	8	8	5	32
ILLINOIS										
PUBLIC	AMT	71,330	52,935	37,429	442	275	7,784	982	6,023	18,395
	NO.	47	17	9	2	9	10	10	9	47
PRIVATE	AMT	82,752	60,692	43,725	222	255	13,976	1,644	870	22,060
	NO.	60	30	12	2	11	17	18	8	60
MICHIGAN										
PUBLIC	AMT	114,849	84,384	56,860	388	733	16,254	2,497	7,652	30,465
	NO.	42	17	8	[illegible]	8	11	11	7	42
PRIVATE	AMT	6,397	1,267	683	1	58	164	102	260	5,130
	NO.	37	15	9	0	5	10	10	2	37
WISCONSIN										
PUBLIC	AMT	71,330	56,333	38,127	136	603	10,264	2,556	4,647	14,997
	NO.	27	22	12	1	19	8	9	8	26
PRIVATE	AMT	8,442	3,699	2,425	0	52	853	234	135	4,743
	NO.	25	13	6	0	3	10	2	4	24
WEST NORTH CENTRAL, TOTAL										
PUBLIC	AMT	234,336	132,055	72,497	4,614	929	24,651	6,806	22,558	102,481
	NO.	123	61	34	6	33	42	37	28	123
PRIVATE	AMT	86,644	36,605	23,413	1,075	200	8,606	2,097	1,214	44,039
	NO.	143	68	18	2	16	41	32	23	143
MINNESOTA										
PUBLIC	AMT	[illegible],117	44,931	26,743	2,983	203	9,240	1,045	4,717	34,186
	NO.	25	11	4	1	5	6	4	5	25
PRIVATE	AMT	4,981	1,430	205	0	61	406	307	451	3,551
	NO.	25	16	3	0	4	12	9	4	25
IOWA										
PUBLIC	AMT	45,384	28,217	15,743	462	147	4,793	2,722	4,350	17,167
	NO.	16	8	5	1	6	4	3	3	16
PRIVATE	AMT	7,888	1,073	67	0	37	238	329	402	6,815
	NO.	33	17	5	0	6	9	8	9	33
MISSOURI										

MISSOURI	NO.	33	17	5	0	6	9	8	9	33
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	NO.	10	9	5	2	5	6	6	5	10
PRIVATE	AMT	10,934	6,697	3,750	145	10	757	1,210	825	4,237
	NO.	33	14	3	1	1	8	8	5	32
ILLINOIS										
PUBLIC	AMT	71,330	52,935	37,429	442	275	7,784	982	6,023	18,395
	NO.	47	17	9	2	9	10	10	9	47
PRIVATE	AMT	82,752	60,692	43,725	222	255	13,976	1,644	870	22,060
	NO.	60	30	12	2	11	17	18	8	60
MICHIGAN										
PUBLIC	AMT	114,849	84,384	56,860	388	733	16,254	2,497	7,652	30,465
	NO.	42	17	8	2	8	11	11	7	42
PRIVATE	AMT	6,397	1,267	683	0	58	164	102	260	5,130
	NO.	37	15	9	0	5	10	10	2	37
WISCONSIN										
PUBLIC	AMT	71,330	56,333	38,127	136	603	10,264	2,556	4,647	14,997
	NO.	27	22	12	1	19	8	9	8	26
PRIVATE	AMT	8,442	3,699	2,425	0	52	853	234	135	4,743
	NO.	25	13	6	0	3	10	2	4	24
WEST NORTH CENTRAL, TOTAL										
PUBLIC	AMT	234,536	132,055	72,497	4,614	929	24,651	6,806	22,558	102,481
	NO.	123	61	34	6	33	42	37	28	123
PRIVATE	AMT	80,644	36,605	23,413	1,075	200	8,606	2,097	1,214	44,039
	NO.	143	68	18	2	16	41	32	23	143
MINNESOTA										
PUBLIC	AMT	79,117	44,931	26,743	2,983	203	9,240	1,045	4,717	34,186
	NO.	25	11	4	1	5	6	4	5	25
PRIVATE	AMT	4,981	1,430	203	0	61	406	307	451	3,551
	NO.	25	16	3	0	4	12	9	4	25
IOWA										
PUBLIC	AMT	45,384	28,217	15,743	462	147	4,793	2,722	4,350	17,167
	NO.	16	8	5	1	6	4	3	3	16
PRIVATE	AMT	7,888	1,073	67	0	37	238	329	402	6,815
	NO.	33	17	5	0	6	9	8	9	33
MISSOURI										
PUBLIC	AMT	41,553	18,909	8,807	840	221	3,530	853	4,658	22,644
	NO.	25	17	9	1	9	11	12	7	25
PRIVATE	AMT	52,468	32,376	22,786	535	18	7,681	1,130	226	20,092
	NO.	35	14	4	1	3	8	5	7	35
NORTH DAKOTA										
PUBLIC	AMT	9,326	5,146	2,437	0	47	616	216	1,830	4,180
	NO.	9	4	3	0	2	3	3	3	9
PRIVATE	AMT	793	17	0	0	0	17	0	0	776
	NO.	3	1	0	0	0	1	0	0	3
SOUTH DAKOTA										
PUBLIC	AMT	9,617	5,463	2,844	0	96	465	171	1,887	4,154
	NO.	7	6	3	0	4	6	5	3	7
PRIVATE	AMT	1,660	410	74	0	14	61	217	44	1,250
	NO.	9	4	2	0	1	3	2	1	9
NEBRASKA										
PUBLIC	AMT	17,703	9,701	5,022	314	75	1,839	294	2,157	8,002
	NO.	14	6	4	1	3	5	4	2	14
PRIVATE	AMT	10,668	1,206	273	540	53	158	91	91	9,462
	NO.	14	7	2	1	1	4	4	2	14
KANSAS										
PUBLIC	AMT	31,836	19,688	10,901	15	140	4,168	1,505	2,959	12,148
	NO.	27	9	6	2	4	7	6	5	27
PRIVATE	AMT	2,186	93	8	0	17	45	23	0	2,093
	NO.	24	9	2	0	1	4	4	0	24

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TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	ACADEMIC SCIENCE: R&D PLANT	ACADEMIC SCIENCE: FACIL. FOR INSTR. IN SCI. & ENG.	ACADEMIC SCIENCE: FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	ACADEMIC SCIENCE: GENERAL SUPPORT FOR SCIENCE	ACADEMIC SCIENCE: OTHER SCIENCE	NON-SCIENCE
SOUTH ATLANTIC, TOTAL										
PUBLIC	AMT	261,374	174,100	96,142	276	1,736	32,303	9,972	33,671	87,274
	NO.	204	109	49	7	40	76	57	41	203
PRIVATE	AMT	247,197	123,617	84,054	274	2,904	28,288	4,984	3,113	123,580
	NO.	187	89	29	4	29	58	47	24	184
DELAWARE										
PUBLIC	AMT	5,313	3,839	1,901	0	60	406	521	951	1,474
	NO.	3	3	2	0	3	2	2	2	3
PRIVATE	AMT	257	25	0	0	18	7	0	0	232
	NO.	4	2	0	0	2	1	0	0	4
MARYLAND										
PUBLIC	AMT	33,222	23,413	16,015	54	132	3,308	1,523	2,381	9,809
	NO.	25	14	7	1	4	10	4	4	25
PRIVATE	AMT	46,907	39,377	29,047	35	122	8,901	868	404	7,530
	NO.	20	8	3	1	2	7	4	2	20
DIST. OF COLUMBIA										
PUBLIC	AMT	3,607	1,134	134	0	28	155	143	674	2,473
	NO.	3	3	2	0	1	2	3	2	3
PRIVATE	AMT	94,840	24,186	16,596	0	108	5,664	868	950	70,654
	NO.	11	7	7	0	3	6	6	5	11
VIRGINIA										
PUBLIC	AMT	40,062	27,124	14,812	12	192	5,722	1,290	5,098	12,936
	NO.	29	16	8	1	4	12	9	7	28
PRIVATE	AMT	4,927	792	149	2	279	104	93	165	4,135
	NO.	27	14	4	1	5	7	11	2	26
WEST VIRGINIA										
PUBLIC	AMT	16,725	8,990	3,907	46	32	1,953	442	2,610	7,735
	NO.	11	7	2	1	3	4	5	2	11
PRIVATE	AMT	3,034	429	11	0	354	6	10	48	2,605
	NO.	9	5	1	0	3	1	2	1	9
NORTH CAROLINA										
PUBLIC	AMT	62,091	44,716	23,867	76	326	8,171	3,786	8,490	17,375
	NO.	50	18	8	2	4	14	9	8	50
PRIVATE	AMT	42,803	30,012	19,442	223	551	7,427	1,416	953	12,791
	NO.	42	18	4	1	4	14	7	4	42
SOUTH CAROLINA										
PUBLIC	AMT	18,742	10,786	4,491	0	225	1,836	354	3,880	7,956
	NO.	20	10	4	0	4	4	6	4	20
PRIVATE	AMT	5,345	316	5	0	143	109	18	41	5,029
	NO.	22	12	1	0	5	7	6	1	21
GEORGIA										
PUBLIC	AMT	36,607	24,385	14,188	0	386	3,209	823	5,783	12,222
	NO.	28	17	8	0	7	14	8	6	28
PRIVATE	AMT	21,127	10,600	5,429	0	42	3,540	1,207	382	10,527
	NO.	29	12	3	0	1	8	5	9	28
FLORIDA										
PUBLIC	AMT	45,005	29,711	16,827	88	355	7,547	1,090	3,804	15,294
	NO.	35	21	8	2	10	12	11	6	35
PRIVATE	AMT	27,957	17,880	13,375	14	1,287	2,530	504	170	10,077
	NO.	23	11	6	1	4	7	6	2	23

PRIVATE	AMT	27,957	17,880	13,375	14	1,287	2,530	504	170	10,077
	NO.	23	11	6	1	4	7	6	2	23
MARYLAND										
PUBLIC	AMT	33,222	23,413	16,015	54	132	3,308	1,523	2,381	9,809
	NO.	25	14	7	1	4	10	4	4	25
PRIVATE	AMT	46,907	39,377	29,047	35	122	8,901	868	404	7,530
	NO.	20	8	3	1	2	7	4	2	20
DIST. OF COLUMBIA										
PUBLIC	AMT	3,607	1,134	134	0	28	155	143	674	2,473
	NO.	3	3	2	0	1	2	3	2	3
PRIVATE	AMT	94,840	24,186	16,596	0	108	5,664	868	950	70,654
	NO.	11	7	7	0	3	6	6	5	11
VIRGINIA										
PUBLIC	AMT	40,062	27,126	14,812	12	192	5,722	1,290	5,098	12,936
	NO.	29	16	8	1	4	12	9	7	28
PRIVATE	AMT	4,927	792	149	2	279	104	93	165	4,135
	NO.	27	14	4	1	5	7	11	2	26
WEST VIRGINIA										
PUBLIC	AMT	16,725	8,990	3,907	46	32	1,953	442	2,610	7,735
	NO.	11	7	2	1	3	4	5	2	11
PRIVATE	AMT	3,034	429	11	0	354	6	10	48	2,605
	NO.	9	5	1	0	3	1	2	1	9
NORTH CAROLINA										
PUBLIC	AMT	62,091	44,716	23,867	76	326	8,171	3,786	8,490	17,375
	NO.	50	18	8	2	4	14	9	8	50
PRIVATE	AMT	42,803	30,012	19,442	223	551	7,427	1,416	953	12,791
	NO.	42	18	4	1	4	14	7	4	42
SOUTH CAROLINA										
PUBLIC	AMT	18,742	10,786	4,491	0	225	1,836	354	3,880	7,956
	NO.	20	10	4	0	4	6	6	4	20
PRIVATE	AMT	5,345	316	5	0	143	109	18	41	5,029
	NO.	22	12	1	0	5	7	6	1	21
GEORGIA										
PUBLIC	AMT	36,607	24,385	14,188	0	386	3,209	823	5,783	12,222
	NO.	28	17	8	0	7	14	8	6	28
PRIVATE	AMT	21,127	10,600	5,429	0	42	3,540	1,207	382	10,527
	NO.	29	12	3	0	1	8	5	9	28
FLORIDA										
PUBLIC	AMT	45,005	29,711	16,827	88	355	7,547	1,090	3,804	15,294
	NO.	35	21	8	2	10	12	11	6	35
PRIVATE	AMT	27,957	17,880	13,375	14	1,287	2,530	504	170	10,077
	NO.	23	11	6	1	4	7	6	2	23
EAST SOUTH CENTRAL, TOTAL										
PUBLIC	AMT	132,313	75,538	39,677	89	1,097	11,289	2,932	20,454	56,775
	NO.	80	49	23	1	24	32	33	22	80
PRIVATE	AMT	62,452	20,072	12,398	0	443	5,245	1,299	687	42,380
	NO.	95	44	11	0	9	27	20	15	95
KENTUCKY										
PUBLIC	AMT	31,044	17,981	9,028	0	301	3,056	797	4,799	13,063
	NO.	7	7	5	0	5	7	7	6	7
PRIVATE	AMT	4,833	526	32	0	261	167	60	6	4,307
	NO.	23	14	1	0	3	11	5	1	23
TENNESSEE										
PUBLIC	AMT	31,162	19,515	9,690	89	102	3,347	658	5,629	11,647
	NO.	19	12	6	1	5	8	8	6	19
PRIVATE	AMT	44,301	18,494	11,844	0	81	4,799	1,151	619	25,807
	NO.	39	16	6	0	3	10	10	11	39

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TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OR ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TR/INEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON-SCIENCE
EAST SOUTH CENTRAL										
ALABAMA										
PUBLIC	AMT	44,658	24,901	15,139	0	491	3,451	865	4,955	19,757
	NO.	29	17	7	0	8	11	11	5	29
PRIVATE	AMT	9,144	839	427	0	17	255	78	62	8,305
	NO.	19	8	2	0	1	3	4	3	19
MISSISSIPPI										
PUBLIC	AMT	25,449	13,141	5,820	0	203	1,435	612	5,071	12,308
	NO.	25	13	5	0	6	6	7	5	25
PRIVATE	AMT	4,174	213	95	0	84	24	10	0	3,961
	NO.	14	6	2	0	2	3	1	0	14
WEST SOUTH CENTRAL, TOTAL										
PUBLIC	AMT	214,947	123,503	66,331	7,306	1,923	18,606	6,707	22,630	91,444
	NO.	120	89	45	8	52	49	50	32	118
PRIVATE	AMT	61,379	35,865	24,256	5	109	7,037	3,372	1,086	25,514
	NO.	78	38	16	1	12	24	22	9	78
ARKANSAS										
PUBLIC	AMT	19,523	9,581	3,818	0	232	1,519	363	3,649	9,942
	NO.	9	8	3	0	7	4	4	1	9
PRIVATE	AMT	2,332	74	54	0	0	9	11	0	2,258
	NO.	11	5	2	0	0	4	1	0	11
LOUISIANA										
PUBLIC	AMT	47,531	18,706	6,650	4,958	323	2,258	553	3,964	28,825
	NO.	14	14	9	1	9	10	11	7	14
PRIVATE	AMT	18,408	11,747	6,863	0	47	3,147	1,470	220	6,661
	NO.	10	7	1	0	5	4	4	3	10
OKLAHOMA										
PUBLIC	AMT	29,555	18,231	8,131	12	90	3,728	1,149	5,121	11,324
	NO.	24	15	6	1	3	8	10	5	24
PRIVATE	AMT	2,381	376	161	0	12	177	26	0	2,005
	NO.	11	6	3	0	1	4	3	0	11
TEXAS										
PUBLIC	AMT	118,338	76,985	47,732	2,336	1,278	11,101	4,642	9,896	41,353
	NO.	73	52	27	6	33	27	25	19	71
PRIVATE	AMT	38,258	23,668	17,178	5	50	3,704	1,865	866	14,590
	NO.	46	20	10	1	6	12	14	6	46
MOUNTAIN, TOTAL										
PUBLIC	AMT	167,823	115,577	78,410	594	841	17,188	5,627	12,917	52,246
	NO.	75	58	26	7	22	34	28	33	74
PRIVATE	AMT	11,062	7,584	5,146	9	72	1,692	455	210	3,478
	NO.	22	13	11	1	3	9	8	2	22
MONTANA										
PUBLIC	AMT	9,178	5,444	2,527	16	103	815	614	1,369	3,734
	NO.	9	8	3	1	5	4	5	4	9
PRIVATE	AMT	534	56	0	0	0	56	0	0	478

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PUBLIC	AMT	9,178	5,444	2,927	16	103	815	614	1,369	3,734	
	NO.	9	8	3	1	5	4	5	4	9	
PRIVATE	AMT	534	56	0	0	0	56	0	0	478	
	NO.	3	1	0	0	0	1	0	0	3	
IDAHO											
PUBLIC	AMT	5,708	3,149	1,498	0	32	377	77	1,165	2,559	
	NO.	6	6	2	0	2	4	2	4	6	
PRIVATE	AMT	395	80	24	0	1	5	50	0	315	
	NO.	2	2	2	0	1	1	1	0	2	
WYOMING											
PUBLIC	AMT	5,682	4,212	2,035	0	315	359	226	1,281	1,470	
	NO.	7	4	1	0	2	2	2	1	7	
PRIVATE	AMT	12	0	0	0	0	0	0	0	12	
	NO.	1	0	0	0	0	0	0	0	1	
COLORADO											
PUBLIC	AMT	54,055	39,458	27,603	74	205	6,210	2,176	3,190	14,597	
	NO.	20	16	5	2	2	6	4	12	20	
PRIVATE	AMT	5,942	5,337	3,914	0	0	1,025	275	123	605	
	NO.	6	5	4	0	0	3	4	1	6	
NEW MEXICO											
PUBLIC	AMT	24,846	16,778	12,366	0	41	1,611	417	2,343	8,068	
	NO.	8	6	5	0	1	5	6	3	8	
PRIVATE	AMT	1,408	257	59	0	67	121	10	0	1,151	
	NO.	3	2	2	0	1	1	1	0	3	
PUBLIC	AMT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	NO.	120	89	45	8	52	49	50	32	118	
PRIVATE	AMT	61,379	35,865	24,256	5	109	7,037	3,372	1,086	25,514	
	NO.	78	38	16	1	12	24	22	9	78	
ARKANSAS											
PUBLIC	AMT	19,523	9,581	3,818	0	232	1,519	363	3,649	9,942	
	NO.	9	8	3	0	7	4	4	1	9	
PRIVATE	AMT	2,332	74	54	0	0	9	11	0	2,258	
	NO.	11	5	2	0	0	4	1	0	11	
LOUISIANA											
PUBLIC	AMT	47,531	18,706	6,650	4,958	323	2,258	553	3,964	28,825	
	NO.	14	14	9	1	9	10	11	7	14	
PRIVATE	AMT	18,408	11,747	6,863	0	47	3,147	1,470	220	6,661	
	NO.	10	7	1	0	5	4	4	3	10	
OKLAHOMA											
PUBLIC	AMT	29,555	18,231	8,131	12	90	3,728	1,149	5,121	11,324	
	NO.	24	15	6	1	3	8	10	5	24	
PRIVATE	AMT	2,381	376	161	0	12	177	26	0	2,005	
	NO.	11	6	3	0	1	4	3	0	11	
TEXAS											
PUBLIC	AMT	118,338	76,985	47,732	2,336	1,278	11,101	4,642	9,896	41,353	
	NO.	73	52	27	6	33	27	25	19	71	
PRIVATE	AMT	38,258	23,668	17,178	5	50	3,704	1,865	866	14,590	
	NO.	46	20	10	1	6	12	14	6	46	
MOUNTAIN, TOTAL											
PUBLIC	AMT	167,823	115,577	78,410	594	841	17,188	5,627	12,917	52,246	
	NO.	75	58	26	7	22	34	28	33	74	
PRIVATE	AMT	11,062	7,584	5,146	9	72	1,692	455	210	3,478	
	NO.	22	13	11	1	3	9	8	2	22	
MONTANA											
PUBLIC	AMT	9,178	5,444	2,927	16	103	815	614	1,369	3,734	
	NO.	9	8	3	1	5	4	5	4	9	
PRIVATE	AMT	534	56	0	0	0	56	0	0	478	
	NO.	3	1	0	0	0	1	0	0	3	
IDAHO											
PUBLIC	AMT	5,708	3,149	1,498	0	32	377	77	1,165	2,559	
	NO.	6	6	2	0	2	4	2	4	6	
PRIVATE	AMT	395	80	24	0	1	5	50	0	315	
	NO.	2	2	2	0	1	1	1	0	2	
WYOMING											
PUBLIC	AMT	5,682	4,212	2,035	0	315	359	226	1,281	1,470	
	NO.	7	4	1	0	2	2	2	1	7	
PRIVATE	AMT	12	0	0	0	0	0	0	0	12	
	NO.	1	0	0	0	0	0	0	0	1	
COLORADO											
PUBLIC	AMT	54,055	39,458	27,603	74	205	6,210	2,176	3,190	14,597	
	NO.	20	16	5	2	2	6	4	12	20	
PRIVATE	AMT	5,942	5,337	3,914	0	0	1,025	275	123	605	
	NO.	6	5	4	0	0	3	4	1	6	
NEW MEXICO											
PUBLIC	AMT	24,846	16,778	12,366	0	41	1,611	417	2,343	8,068	
	NO.	8	6	5	0	1	5	6	3	8	
PRIVATE	AMT	1,408	257	59	0	67	121	10	0	1,151	
	NO.	3	2	2	0	1	1	1	0	3	

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TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1971
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	ACADEMIC SCIENCE: R&D PLANT	ACADEMIC SCIENCE: FACIL. FOR INSTR. IN SCI. & ENG.	ACADEMIC SCIENCE: FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	ACADEMIC SCIENCE: GENERAL SUPPORT FOR SCIENCE	ACADEMIC SCIENCE: OTHER SCIENCE	NON-SCIENCE
MOUNTAIN										
ARIZONA										
PUBLIC	AMT	25,994	16,814	11,390	28	71	3,052	395	1,878	9,180
	NO.	12	9	3	1	6	8	3	3	12
PRIVATE	AMT	1,288	653	611	0	4	28	10	0	635
	NO.	3	2	2	0	1	2	1	0	3
UTAH										
PUBLIC	AMT	36,104	25,784	18,315	252	57	4,451	1,593	1,116	10,320
	NO.	9	5	4	1	2	3	4	3	9
PRIVATE	AMT	1,478	1,201	538	9	0	457	110	87	277
	NO.	3	1	1	1	0	1	1	1	3
NEVADA										
PUBLIC	AMT	6,256	3,938	2,676	224	17	317	129	575	2,318
	NO.	4	4	3	2	2	2	2	3	3
PRIVATE	AMT	5	0	0	0	0	0	0	0	5
	NO.	1	0	0	0	0	0	0	0	1
PACIFIC, TOTAL										
PUBLIC	AMT	408,477	318,023	229,570	6,064	5,177	50,027	10,811	16,374	90,454
	NO.	172	76	39	10	24	50	44	42	172
PRIVATE	AMT	131,868	101,162	77,133	413	1,148	15,711	3,982	2,775	30,706
	NO.	101	59	26	1	11	28	35	27	100
WASHINGTON										
PUBLIC	AMT	70,943	58,124	40,226	172	779	10,659	3,129	3,159	12,819
	NO.	28	9	4	2	3	6	6	7	28
PRIVATE	AMT	2,723	592	153	0	0	151	77	211	2,131
	NO.	11	9	3	0	0	6	5	6	11
OREGON										
PUBLIC	AMT	40,233	29,476	19,527	10	520	5,609	1,287	2,527	10,757
	NO.	21	11	6	2	4	9	7	7	21
PRIVATE	AMT	2,516	782	543	0	0	90	75	74	1,734
	NO.	16	7	5	0	0	3	4	2	16
CALIFORNIA										
PUBLIC	AMT	269,139	207,652	151,448	5,854	3,013	32,417	5,752	9,168	61,487
	NO.	120	54	27	5	15	33	29	26	120
PRIVATE	AMT	125,386	99,246	76,437	413	1,148	15,442	3,820	1,986	26,140
	NO.	68	41	18	1	11	18	25	17	67
ALASKA										
PUBLIC	AMT	9,151	8,420	7,348	0	141	51	248	632	731
	NO.	2	1	1	0	1	1	1	1	2
PRIVATE	AMT	420	42	0	0	0	28	10	4	378
	NO.	2	1	0	0	0	1	1	1	2
HAWAII										
PUBLIC	AMT	19,011	14,351	11,021	28	724	1,295	395	888	4,660
	NO.	1	1	1	1	1	1	1	1	1
PRIVATE	AMT	823	500	0	0	0	0	0	500	323
	NO.	4	1	0	0	0	0	0	1	4
OUTLYING AREAS, TOTAL										
PUBLIC	AMT	21,642	13,298	5,418	93	2,164	1,528	266	3,829	8,344
	NO.	5	5	4	0	4	4	4	3	5
PRIVATE	AMT	3,678	336	0	0	114	140	0	82	3,342
	NO.	4	3	0	0	2	3	0	2	4

PRIVATE	AMT	3,678	336	0	0	114	140	0	82	3,342
	NO.	4	3	0	0	2	3	0	2	4
PUBLIC	AMT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	NO.	4	4	3	2	2	2	2	3	3
PRIVATE	AMT	5	0	0	0	0	0	0	0	5
	NO.	1	0	0	0	0	0	0	0	1
PACIFIC, TOTAL										
PUBLIC	AMT	408,477	318,023	229,570	6,064	5,177	50,027	10,811	16,374	90,454
	NO.	172	76	39	10	24	50	44	42	172
PRIVATE	AMT	131,868	101,162	77,133	413	1,148	15,711	3,982	2,775	30,706
	NO.	101	59	26	1	11	28	35	27	100
WASHINGTON										
PUBLIC	AMT	70,943	58,124	40,226	172	779	10,659	3,129	3,159	12,819
	NO.	28	9	4	2	3	6	6	7	28
PRIVATE	AMT	2,723	592	153	0	0	151	77	211	2,131
	NO.	11	9	3	0	0	6	5	6	11
OREGON										
PUBLIC	AMT	40,233	29,476	19,527	10	520	5,605	1,287	2,527	10,757
	NO.	21	11	6	2	4	9	7	7	21
PRIVATE	AMT	2,516	782	543	0	0	90	75	74	1,734
	NO.	16	7	5	0	0	3	4	2	16
CALIFORNIA										
PUBLIC	AMT	269,139	207,652	151,448	5,854	3,013	32,417	5,752	9,168	61,487
	NO.	120	54	27	5	15	33	29	26	120
PRIVATE	AMT	125,386	99,246	76,437	413	1,148	15,442	3,820	1,986	26,140
	NO.	68	41	18	1	11	18	25	17	67
ALASKA										
PUBLIC	AMT	9,151	8,420	7,348	0	141	51	248	632	731
	NO.	2	1	1	0	1	1	1	1	2
PRIVATE	AMT	420	42	0	0	0	28	10	4	378
	NO.	2	1	0	0	0	1	1	1	2
HAWAII										
PUBLIC	AMT	19,011	14,351	11,021	28	724	1,295	395	888	4,660
	NO.	1	1	1	1	1	1	1	1	1
PRIVATE	AMT	823	500	0	0	0	0	0	500	323
	NO.	4	1	0	0	0	0	0	1	4
OUTLYING AREAS, TOTAL										
PUBLIC	AMT	21,642	13,298	5,418	93	2,164	1,528	266	3,829	8,344
	NO.	5	5	4	0	4	4	4	3	5
PRIVATE	AMT	3,678	336	0	0	114	140	0	82	3,342
	NO.	4	3	0	0	2	3	0	2	4
GUAM										
PUBLIC	AMT	430	16	0	0	16	0	0	0	414
	NO.	1	1	0	0	1	0	0	0	1
PUERTO RICO										
PUBLIC	AMT	20,448	12,842	5,106	93	2,132	1,506	243	3,762	7,606
	NO.	3	3	3	0	2	3	3	2	3
PRIVATE	AMT	3,678	336	0	0	114	140	0	82	3,342
	NO.	4	3	0	0	2	3	0	2	4
VIRGIN ISLANDS										
PUBLIC	AMT	764	440	312	0	16	22	23	67	324
	NO.	1	1	1	0	1	1	1	1	1

SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-19

PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY FY 1971

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON SCIENCE
UNITED STATES, TOTAL									
PUBLIC	60.50	60.60	57.41	57.28	68.67	65.98	43.33	87.25	60.31
PRIVATE	39.50	39.40	42.59	42.72	31.33	34.02	56.67	12.75	39.69
NEW ENGLAND, TOTAL									
PUBLIC	16.39	13.10	10.39	13.64	3.97	19.97	25.20	54.92	31.20
PRIVATE	83.61	86.90	89.61	86.36	96.03	80.03	74.80	45.08	68.80
MAINE, TOTAL									
PUBLIC	76.90	87.36	97.78	91.49	.00	59.26	95.22	76.72	67.08
PRIVATE	23.10	12.64	2.22	8.51	.00	40.74	14.78	23.28	32.92
NEW HAMPSHIRE, TOTAL									
PUBLIC	28.05	32.08	38.99	16.76	.00	.00	36.18	53.37	21.60
PRIVATE	71.95	67.92	61.01	83.24	100.00	100.00	63.82	46.63	78.40
VERMONT, TOTAL									
PUBLIC	85.29	91.48	92.02	88.37	.00	17.28	96.25	100.00	74.57
PRIVATE	14.71	8.52	7.98	11.63	.00	82.72	3.75	.00	25.43
MASSACHUSETTS, TOTAL									
PUBLIC	7.39	5.33	4.08	5.07	4.44	9.09	24.19	32.56	20.51
PRIVATE	92.61	94.67	96.00	94.93	95.56	90.91	75.81	67.44	79.49
RHODE ISLAND, TOTAL									
PUBLIC	35.92	31.61	27.26	23.78	100.00	84.33	32.16	70.59	50.65
PRIVATE	64.08	68.39	72.74	76.22	.00	15.67	67.84	29.41	49.35
CONNECTICUT, TOTAL									
PUBLIC	23.84	20.77	17.60	22.08	.00	49.75	14.69	85.46	35.05
PRIVATE	76.16	79.23	82.20	77.92	100.00	50.25	85.31	14.54	64.95
MIDDLE ATLANTIC, TOTAL									
PUBLIC	41.79	38.63	36.87	39.64	3.88	59.22	48.18	51.84	49.30
PRIVATE	58.21	61.32	63.13	60.36	96.12	40.78	51.82	48.16	50.70
NEW YORK, TOTAL									
PUBLIC	25.49	20.01	19.27	20.37	.15	54.79	37.20	12.49	41.99
PRIVATE	74.51	79.99	80.73	79.63	99.85	45.21	62.80	87.51	58.01
NEW JERSEY, TOTAL									
PUBLIC	58.79	49.53	39.20	62.49	9.49	88.38	69.42	91.95	74.20
PRIVATE	41.21	50.47	60.80	37.51	90.51	11.62	30.58	8.05	25.80
PENNSYLVANIA, TOTAL									
PUBLIC	68.20	75.49	76.57	75.20	75.76	60.36	55.13	84.32	53.17
PRIVATE	31.80	24.51	23.13	24.80	24.24	39.64	44.87	15.68	46.83
EAST NORTH CENTRAL, TOTAL									
PUBLIC	69.92	72.01	71.08	64.74	76.32	77.33	66.53	92.74	64.82
PRIVATE	30.08	27.99	28.92	35.26	23.68	22.67	33.47	7.26	35.18
OHIO, TOTAL									
PUBLIC	53.78	54.21	47.65	37.26	85.44	58.83	50.68	94.53	52.96
PRIVATE	46.22	45.79	52.35	62.74	14.56	41.17	49.32	5.47	47.04
INDIANA, TOTAL									
PUBLIC	33.12	85.10	86.92	89.81	54.97	95.22	53.37	86.20	78.64
PRIVATE	16.88	14.90	13.20	10.19	45.03	4.78	46.63	13.80	21.36
ILLINOIS, TOTAL									
PUBLIC	46.29	46.59	36.12	35.77	66.57	51.89	37.40	87.38	45.47
PRIVATE	53.71	53.41	63.88	64.23	33.43	48.11	62.60	12.62	54.53
MICHIGAN, TOTAL									
PUBLIC	94.72	98.52	98.81	99.00	100.00	92.47	96.08	96.71	85.59
PRIVATE	5.28	1.48	1.19	1.00	.00	7.53	3.92	3.29	14.41

MICHIGAN, TOTAL									
PUBLIC	94.72	98.52	98.81	99.00	100.00	92.47	96.03	96.71	85.59
PRIVATE	5.28	1.48	1.19	1.00	.00	7.53	3.92	3.29	14.41
MASSACHUSETTS, TOTAL									
PUBLIC	7.39	5.33	4.0[illegible]	5.07	4.44	9.09	24.19	32.56	20.51
PRIVATE	92.61	94.67	96.0[illegible]	94.93	95.56	90.91	75.81	67.44	79.49
RHODE ISLAND, TOTAL									
PUBLIC	35.92	31.61	27.26	23.78	100.00	84.33	32.16	70.59	50.65
PRIVATE	64.08	68.39	72.74	76.22	.00	15.67	67.84	29.41	49.35
CONNECTICUT, TOTAL									
PUBLIC	23.84	20.77	17.6[illegible]	22.08	.00	49.75	14.69	85.46	35.05
PRIVATE	76.16	79.23	82.2[illegible]	77.92	100.00	50.25	85.31	14.54	64.95
MIDDLE ATLANTIC, TOTAL									
PUBLIC	41.79	38.63	36.87	39.64	3.88	59.22	46.18	51.84	49.30
PRIVATE	58.21	61.32	63.13	60.36	96.12	40.78	51.82	48.16	50.70
NEW YORK, TOTAL									
PUBLIC	25.49	20.01	19.27	20.37	.15	54.79	37.20	12.49	49.99
PRIVATE	74.51	79.99	80.7[illegible]	79.63	99.85	45.21	62.80	87.51	50.01
NEW JERSEY, TOTAL									
PUBLIC	58.79	49.53	39.2[illegible]	62.49	9.49	88.38	69.42	91.95	74.20
PRIVATE	41.21	50.47	60.8[illegible]	37.51	90.51	11.62	30.59	8.05	25.80
PENNSYLVANIA, TOTAL									
PUBLIC	68.20	75.49	76.57	75.20	75.76	60.36	55.13	84.32	53.17
PRIVATE	31.80	24.51	23.13	24.80	24.24	39.64	44.87	15.66	46.83
EAST NORTH CENTRAL, TOTAL									
PUBLIC	69.92	72.01	71.0[illegible]	64.74	76.32	77.33	66.53	92.74	64.82
PRIVATE	30.08	27.99	28.9[illegible]	35.26	23.68	22.67	33.47	7.26	35.18
OHIO, TOTAL									
PUBLIC	53.78	54.21	47.65	37.26	85.44	58.83	50.68	94.53	52.96
PRIVATE	46.22	45.79	52.35	62.74	14.56	41.17	49.32	5.47	47.04
INDIANA, TOTAL									
PUBLIC	83.12	85.1[illegible]	86.8[illegible]	89.81	54.97	95.22	53.37	86.20	78.64
PRIVATE	16.88	14.9[illegible]	13.2[illegible]	10.19	45.03	4.78	46.63	13.80	21.36
ILLINOIS, TOTAL									
PUBLIC	46.29	46.59	46.12	35.77	66.57	51.89	37.40	87.36	45.47
PRIVATE	53.71	53.41	53.8[illegible]	64.23	33.43	48.11	62.60	12.62	54.53
MICHIGAN, TOTAL									
PUBLIC	94.72	98.52	98.81	99.00	100.00	92.47	96.03	96.71	85.59
PRIVATE	5.28	1.48	1.19	1.00	.00	7.53	3.92	3.29	14.41
WISCONSIN, TOTAL									
PUBLIC	89.42	93.84	94.[illegible]	92.33	100.00	92.06	91.61	97.18	75.97
PRIVATE	10.58	6.16	5.9[illegible]	7.67	.00	7.94	8.39	2.82	24.03
WEST NORTH CENTRAL, TOTAL									
PUBLIC	74.41	76.3[illegible]	75.59	74.12	81.10	82.29	76.45	94.89	69.94
PRIVATE	25.59	21.7[illegible]	24.41	25.88	18.90	17.71	23.55	5.11	30.06
MINNESOTA, TOTAL									
PUBLIC	94.08	96.92	99.24	95.79	100.00	76.89	77.29	91.27	90.59
PRIVATE	5.92	3.0[illegible]	.76	4.21	.00	23.11	22.71	8.73	9.41
IOWA, TOTAL									
PUBLIC	85.19	96.34	99.58	95.27	100.00	79.89	89.22	91.54	71.58
PRIVATE	14.81	3.66	.42	4.73	.00	20.11	10.78	8.46	28.42
MISSOURI, TOTAL									
PUBLIC	44.20	36.87	27.8[illegible]	31.49	61.89	92.47	43.02	95.37	52.99
PRIVATE	55.80	63.13	72.1[illegible]	68.51	38.91	7.53	56.98	4.63	47.01
NORTH DAKOTA, TOTAL									
PUBLIC	92.16	99.67	100.0[illegible]	97.31	.00	100.00	100.00	100.00	84.34
PRIVATE	7.84	.33	.0[illegible]	2.69	.00	.00	.00	.00	15.66

TABLE B-19
CONTINUED

PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY FY 1971

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	ACADEMIC SCIENCE: RESEARCH AND DEVELOPMENT	ACADEMIC SCIENCE: R&D PLANT	ACADEMIC SCIENCE: FACIL. FOR INSTS IN SCI. & ENG. TRAIN.	ACADEMIC SCIENCE: FELLOWSHIPS, TRAINEESHIPS, GRANTS	ACADEMIC SCIENCE: GENERAL SUPPORT FOR SCIENCE	ACADEMIC SCIENCE: OTHER SCIENCE	NON SCIENCE
WEST NORTH CENTRAL									
SOUTH DAKOTA, TOTAL									
PUBLIC	85.28	93.02	97.46	88.46	.00	87.27	44.07	97.74	76.87
PRIVATE	14.72	6.98	2.54	11.60	.00	12.73	55.93	2.26	23.13
NEBRASKA, TOTAL									
PUBLIC	62.40	88.94	94.84	92.09	34.77	58.59	76.36	95.95	45.82
PRIVATE	37.60	11.06	5.16	7.91	65.23	41.41	23.64	4.05	54.18
KANSAS, TOTAL									
PUBLIC	93.57	99.53	99.93	98.93	100.00	89.17	98.49	100.00	85.30
PRIVATE	6.43	.47	.07	1.07	.00	10.83	1.51	.00	14.70
SOUTH ATLANTIC, TOTAL									
PUBLIC	51.39	58.41	53.35	53.31	50.18	37.41	66.68	91.54	41.39
PRIVATE	48.61	41.59	46.65	46.69	49.82	62.59	33.32	8.46	58.61
DELAWARE, TOTAL									
PUBLIC	95.39	99.35	100.00	98.31	.00	76.92	100.00	100.00	86.40
PRIVATE	4.61	.65	.00	1.69	.00	23.08	.00	.00	13.60
MARYLAND, TOTAL									
PUBLIC	41.46	37.29	35.54	27.09	60.67	51.97	53.70	85.49	56.57
PRIVATE	58.54	62.71	64.46	72.91	39.33	48.03	46.30	14.51	43.43
DIST. OF COLUMBIA, TOTAL									
PUBLIC	3.66	4.48	.68	2.66	.00	20.59	14.14	41.50	3.38
PRIVATE	96.34	95.52	99.32	97.34	.00	79.41	85.86	58.50	96.62
VIRGINIA, TOTAL									
PUBLIC	89.05	97.16	99.07	98.21	85.71	43.76	93.28	96.86	75.78
PRIVATE	10.95	2.84	1.05	1.79	14.29	56.24	6.72	3.14	24.22
WEST VIRGINIA, TOTAL									
PUBLIC	84.64	95.45	99.72	99.69	100.00	8.29	97.79	98.19	74.81
PRIVATE	15.36	4.55	.28	.31	.00	91.71	2.21	1.81	25.19
NORTH CAROLINA, TOTAL									
PUBLIC	59.19	59.84	55.11	52.38	25.42	37.17	72.78	89.91	57.60
PRIVATE	40.81	40.16	44.89	47.62	74.58	62.83	27.22	10.09	42.40
SOUTH CAROLINA, TOTAL									
PUBLIC	77.81	97.15	99.89	94.40	.00	61.14	95.16	98.95	61.27
PRIVATE	22.19	2.85	.11	5.60	.00	38.86	4.84	1.05	38.73
GEORGIA, TOTAL									
PUBLIC	63.41	69.73	72.33	47.52	.00	90.19	46.54	93.80	53.73
PRIVATE	36.59	30.31	27.67	52.48	.00	9.81	53.46	6.20	46.27
FLORIDA, TOTAL									
PUBLIC	61.68	62.43	55.71	74.89	86.27	21.62	88.38	95.72	60.28
PRIVATE	38.32	37.57	44.29	25.11	13.73	78.38	11.62	4.28	39.72
EAST SOUTH CENTRAL, TOTAL									
PUBLIC	67.93	79.01	76.19	68.28	100.00	71.23	69.30	96.75	57.26
PRIVATE	32.07	20.99	23.81	31.72	.00	28.77	30.70	3.25	42.74
KENTUCKY, TOTAL									
PUBLIC	86.53	97.15	99.65	94.82	.00	53.56	93.00	99.88	75.20
PRIVATE	13.47	2.84	.35	5.18	.00	46.44	7.00	.12	24.80
TENNESSEE, TOTAL									
PUBLIC	41.29	51.34	45.30	41.09	100.00	55.74	56.37	90.09	31.10
PRIVATE	58.71	48.66	55.07	58.91	.00	44.26	43.63	9.91	68.90
ALABAMA, TOTAL									
PUBLIC	83.00	96.74	97.26	93.12	.00	96.65	91.73	98.76	70.40
PRIVATE	17.00	3.26	2.74	6.88	.00	3.35	8.27	1.24	29.60
MISSISSIPPI, TOTAL									
PUBLIC	85.91	98.40	98.39	98.36	.00	77.73	98.39	100.00	75.65
PRIVATE	14.09	1.60	1.61	1.64	.00	22.27	1.61	.00	24.35

PUBLIC	85.91	98.43	98.37	98.36	.00	71.73	98.39	100.00	75.65
PRIVATE	14.09	1.6[illegible]	1.6[illegible]	1.64	.00	29.27	1.61	.00	24.35
MARYLAND, TOTAL									
PUBLIC	41.46	37.29	35.54	27.09	6[illegible].67	51.97	53.70	85.49	56.57
PRIVATE	58.54	62.71	64.46	72.91	39.33	48.03	46.30	14.51	43.43
DIST. OF COLUMBIA, TOTAL									
PUBLIC	3.66	4.48	.8[illegible]	2.66	.00	20.59	14.14	41.50	3.38
PRIVATE	96.34	95.52	99.2[illegible]	97.34	.00	79.41	85.86	58.50	96.62
VIRGINIA, TOTAL									
PUBLIC	89.05	97.15	98.[illegible]	98.21	85.71	43.76	93.28	96.86	75.78
PRIVATE	10.95	2.8[illegible]	1.3[illegible]	1.79	14.29	57.24	6.72	3.14	24.22
WEST VIRGINIA, TOTAL									
PUBLIC	54.64	95.45	99.72	99.69	100.00	5.29	97.79	98.19	74.81
PRIVATE	15.36	4.55	.2[illegible]	.31	.00	91.71	2.21	1.81	25.19
NORTH CAROLINA, TOTAL									
PUBLIC	59.19	59.84	55.11	52.38	25.42	37.17	72.78	89.91	57.60
PRIVATE	40.81	40.16	44.8[illegible]	47.62	74.58	62.83	27.22	10.09	42.40
SOUTH CAROLINA, TOTAL									
PUBLIC	77.81	97.15	99.89	94.4[illegible]	.00	61.14	95.16	98.95	61.27
PRIVATE	22.19	2.85	.11	5.6[illegible]	.00	38.86	4.84	1.05	38.73
GEORGIA, TOTAL									
PUBLIC	63.41	69.7[illegible]	72.33	47.52	.00	93.19	40.54	93.80	53.73
PRIVATE	36.59	30.3[illegible]	27.67	52.46	.00	9.81	59.46	6.20	46.27
FLORIDA, TOTAL									
PUBLIC	61.68	62.43	55.71	74.89	86.27	21.62	68.38	95.72	60.28
PRIVATE	38.32	37.57	44.29	25.11	13.73	78.38	31.62	4.28	39.72
EAST SOUTH CENTRAL, TOTAL									
PUBLIC	67.93	79.01	76.19	68.28	100.00	71.73	69.30	95.75	57.26
PRIVATE	32.07	20.99	23.8[illegible]	31.72	.00	28.77	30.70	3.25	42.74
KENTUCKY, TOTAL									
PUBLIC	86.53	97.14	99.65	94.82	.00	53.56	93.00	99.86	75.20
PRIVATE	13.47	2.84	.35	5.18	.00	46.44	7.00	.14	24.80
TENNESSEE, TOTAL									
PUBLIC	41.29	51.34	45.0[illegible]	41.09	100.00	55.74	56.37	90.09	31.10
PRIVATE	58.71	48.66	55.0[illegible]	58.91	.00	44.26	53.63	9.91	68.90
ALABAMA, TOTAL									
PUBLIC	83.00	96.74	97.2[illegible]	93.12	.00	96.65	91.73	98.76	70.40
PRIVATE	17.00	3.26	2.74	6.88	.00	3.35	8.27	1.24	29.60
MISSISSIPPI, TOTAL									
PUBLIC	85.91	98.43	98.39	98.36	.00	70.73	98.39	100.00	75.65
PRIVATE	14.09	1.6[illegible]	1.6[illegible]	1.64	.00	29.27	1.61	.00	24.35
WEST SOUTH CENTRAL, TOTAL									
PUBLIC	77.79	77.5[illegible]	73.22	72.56	99.93	94.64	66.54	95.42	78.19
PRIVATE	22.21	22.5[illegible]	26.7[illegible]	27.44	.07	5.36	33.46	4.58	21.81
ARKANSAS, TOTAL									
PUBLIC	89.33	99.23	98.61	99.41	.00	100.00	97.06	100.00	81.49
PRIVATE	10.67	.77	1.39	.59	.00	.00	2.94	.00	18.51
LOUISIANA, TOTAL									
PUBLIC	72.08	61.43	49.21	41.78	100.00	87.30	27.34	94.74	81.23
PRIVATE	27.92	38.57	50.79	58.22	.00	12.70	72.66	5.26	18.77
OKLAHOMA, TOTAL									
PUBLIC	92.54	97.98	98.06	95.47	100.00	88.24	97.79	100.00	84.96
PRIVATE	7.46	2.02	1.94	4.53	.00	11.76	2.21	.00	15.04
TEXAS, TOTAL									
PUBLIC	75.57	76.49	73.54	74.98	99.79	96.23	71.34	91.95	73.92
PRIVATE	24.43	23.51	26.46	25.02	.21	3.77	28.66	8.05	26.08

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CONTINUED

PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY FY 1971

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE: TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON SCIENCE
MOUNTAIN, TOTAL									
PUBLIC	93.82	93.64	93.84	91.04	98.51	92.11	92.52	98.40	93.76
PRIVATE	6.18	6.15	6.16	8.96	1.49	7.89	7.48	1.60	6.24
MONTANA, TOTAL									
PUBLIC	94.50	95.93	100.00	93.57	100.00	100.00	100.00	100.00	88.65
PRIVATE	5.50	1.07	.00	6.43	.00	.00	.00	.00	11.35
IDAHO, TOTAL									
PUBLIC	93.53	97.59	98.42	98.69	.00	96.97	60.63	100.00	89.04
PRIVATE	6.47	2.41	1.58	1.31	.00	3.03	39.37	.00	10.96
WYOMING, TOTAL									
PUBLIC	99.79	100.00	100.00	100.00	.00	100.00	100.00	100.00	99.19
PRIVATE	.21	.00	.00	.00	.00	.00	.00	.00	.81
COLORADO, TOTAL									
PUBLIC	90.10	88.09	87.58	85.83	100.00	100.00	88.78	96.29	96.02
PRIVATE	9.90	11.91	12.42	14.17	.00	.00	11.22	3.71	3.98
NEW MEXICO, TOTAL									
PUBLIC	94.64	98.49	99.53	93.01	.00	37.96	97.66	100.00	87.51
PRIVATE	5.36	1.51	.47	6.99	.00	62.04	2.34	.00	12.49
ARIZONA, TOTAL									
PUBLIC	95.28	96.26	94.91	99.09	100.00	94.67	97.53	100.00	93.53
PRIVATE	4.72	3.74	5.09	.91	.00	5.33	2.47	.00	6.47
UTAH, TOTAL									
PUBLIC	96.07	95.55	97.15	90.69	96.55	100.00	93.54	92.77	97.39
PRIVATE	3.93	4.45	2.85	9.31	3.45	.00	6.46	7.23	2.61
NEVADA, TOTAL									
PUBLIC	99.92	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.78
PRIVATE	.08	.00	.00	.00	.00	.00	.00	.00	.22
PACIFIC, TOTAL									
PUBLIC	75.60	75.87	74.85	76.10	93.62	81.85	73.08	85.51	74.66
PRIVATE	24.40	24.13	25.15	23.90	6.38	18.15	26.92	14.49	25.34
WASHINGTON, TOTAL									
PUBLIC	96.30	98.99	99.62	98.60	100.00	100.00	97.60	93.74	85.75
PRIVATE	3.70	1.01	.38	1.40	.00	.00	2.40	6.26	14.25
OREGON, TOTAL									
PUBLIC	94.11	97.42	97.29	98.42	100.00	100.00	94.49	97.15	86.12
PRIVATE	5.89	2.58	2.71	1.58	.00	.00	5.51	2.85	13.88
CALIFORNIA, TOTAL									
PUBLIC	68.22	67.66	66.46	67.73	93.41	72.41	60.09	82.19	70.17
PRIVATE	31.78	32.34	33.54	32.27	6.59	27.59	39.91	17.81	29.83
ALASKA, TOTAL									
PUBLIC	95.61	99.57	100.00	64.56	.00	100.00	96.12	99.37	65.92
PRIVATE	4.39	.57	.00	35.44	.00	.00	3.88	.63	34.08
HAWAII, TOTAL									
PUBLIC	95.85	96.63	100.00	100.00	100.00	100.00	100.00	63.98	93.52
PRIVATE	4.15	3.37	.00	.00	.00	.00	.00	36.02	6.48
OUTLYING AREAS, TOTAL									
PUBLIC	85.47	97.54	100.00	91.61	100.00	95.00	100.00	97.90	71.40
PRIVATE	14.53	2.46	.00	8.39	.00	5.00	.00	2.10	28.60
GUAM, TOTAL									
PUBLIC	100.00	100.00	.00	.00	.00	100.00	.00	.00	100.00
PUERTO RICO, TOTAL									
PUBLIC	84.76	97.45	100.00	91.49	100.00	94.92	100.00	97.87	69.47
PRIVATE	15.24	2.55	.00	8.51	.00	5.08	.00	2.13	30.53
VIRGIN ISLANDS, TOTAL									
PUBLIC	100.00	100.00	100.00	100.00	.00	100.00	100.00	100.00	100.00

SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE 8-20

TOTAL FEDERAL OBLIGATIONS TO THE 100 PUBLIC UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL	USDA	AEC	COM	DOD	DED	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL ALL INSTITUTIONS	2,105,588	206,819	56,389	7,339	130,154	20,940	20,055	1,321,702	19,532	65,555	232,421	6,464	18,318
	TOTAL 100 INSTITUTIONS	1,673,024	199,286	51,553	5,019	123,213	17,045	17,546	965,203	16,041	58,117	198,447	4,706	16,854
1	UNIV OF MINNESOTA	72,534	5,187	1,850	0	1,715	227	1,017	55,322	453	2,882	3,094	159	628
2	UNIV OF MICHIGAN	60,881	91	2,792	178	8,320	741	556	32,365	130	4,541	10,219	360	588
3	UNIV OF WISCONSIN MADISON	57,320	5,281	2,965	218	1,311	7,361	607	29,057	323	2,766	6,736	0	695
4	UNIV OF WASHINGTON	56,535	133	2,483	1,207	5,309	0	630	34,939	211	650	8,825	148	0
5	UNIV OF CAL LOS ANGELES	54,030	85	4,928	0	4,228	292	548	35,719	304	2,667	4,575	599	85
6	UNIV OF CAL BERKELEY	52,279	5,932	586	57	4,714	1,524	608	21,681	440	7,360	9,082	210	85
7	UNIV OF CAL SAN DIEGO	49,650	0	2,112	50	10,639	1,154	203	14,225	0	3,961	17,271	35	0
8	UNIV OF ILLINOIS-URBANA	44,244	6,709	4,061	0	14,159	144	441	10,587	299	755	6,481	35	573
9	OHIO STATE UNIV	42,160	7,096	810	100	3,185	0	159	25,720	287	521	3,427	79	768
10	UNIV OF PENNSYLVANIA	41,385	34	1,531	0	3,449	247	89	29,703	103	425	5,555	185	64
11	UNIV OF COLORADO	32,720	75	751	570	1,341	209	97	23,244	122	1,866	4,387	55	3
12	UNIV OF N C AT CHAP HILL	30,321	0	412	129	1,282	78	405	21,242	0	125	3,409	0	3,239
13	UNIV OF CAL SAN FRANCISCO	26,906	0	818	0	320	0	9	25,363	0	106	290	0	0
14	MICHIGAN STATE UNIV	26,810	5,930	1,835	0	256	306	353	13,315	166	69	3,408	211	961
15	UNIV OF UTAH	26,072	0	1,444	20	2,506	731	275	18,052	179	361	2,419	0	85
16	UNIV OF PITTSBURGH	25,931	3	443	4	1,169	0	273	20,836	175	721	2,159	148	0
17	UNIV OF IOWA	24,914	0	58	0	1,048	0	345	17,758	53	2,023	3,483	146	0
18	UNIV OF TEXAS AT AUSTIN	24,666	10	1,136	14	5,978	174	182	10,120	109	1,539	5,236	0	168
19	PENNSYLVANIA STATE UNIV	24,629	8,232	439	28	1,434	0	568	8,963	1,083	663	3,132	87	0
20	PURDUE UNIV	24,443	5,474	1,666	100	1,963	0	306	7,213	209	2,745	3,939	78	750
21	UNIV OF FLORIDA	23,357	4,469	384	0	998	0	633	14,066	179	562	1,916	0	150
22	UNIV OF MISSOURI COLUMBIA	22,348	5,890	40	6	915	0	140	13,551	180	192	1,340	10	84
23	TEXAS A & M UNIV	20,479	11,070	1,061	269	1,846	0	90	1,796	168	759	3,215	204	1
24	LA ST U MED CT SHREVEPORT	20,475	0	0	0	0	0	0	20,475	0	0	0	0	0
25	U OF ALA IN BIRMINGHAM	19,516	0	0	0	760	0	0	18,603	0	0	153	0	0
26	RUTGERS UNIVERSITY	19,489	2,574	94	0	267	531	368	11,225	196	110	4,110	0	14
27	UNIV OF HAWAII	19,011	1,393	695	46	1,978	340	404	8,513	123	1,050	4,469	0	0
28	UNIV OF KENTUCKY	18,701	7,268	79	104	697	0	220	9,615	368	248	575	0	527
29	N C STATE UNIV AT RALEIGH	18,174	9,198	511	0	342	228	445	3,662	201	446	2,274	0	867
30	UNIV OF CAL DAVIS	18,141	929	2,338	0	269	498	204	11,529	11	290	2,073	0	0
31	UNIV OF ARIZONA	18,100	1,997	348	6	3,064	0	235	8,207	269	1,528	2,446	0	0
32	TEMPLE UNIV	17,647	0	98	0	86	0	20	16,516	0	27	660	40	200
33	IOWA ST U OF SCIENCE&TECH	17,369	5,375	29	0	583	0	100	9,997	298	45	904	0	38
34	UNIV OF KANSAS	17,130	0	400	0	192	0	69	14,046	138	685	1,600	0	0
35	UNIV OF MD COLLEGE PARK	16,877	2,660	2,375	17	1,577	125	85	3,504	170	2,120	4,229	15	0
36	UNIV OF GEORGIA	16,845	6,994	537	306	253	0	111	5,727	185	203	2,329	0	200
37	U TEX SW MED SCH DALLAS	16,298	0	34	0	45	0	0	16,139	0	80	0	0	0
38	SUNY ST U BUFFALO	15,305	0	187	0	0	0	33	13,143	68	198	1,657	0	19
39	COLORADO STATE UNIV	15,155	2,520	239	112	827	0	861	4,860	909	471	3,739	0	617
40	UNIV OF ARK	14,756	4,906	100	66	0	0	99	8,684	141	32	728	0	0
41	OREGON STATE UNIV	14,465	2,754	444	36	1,220	0	685	4,286	281	201	3,965	0	593
42	UNIV OF TENN AT KNOXVILLE	14,024	6,590	1,550	0	610	0	18	4,005	175	251	815	0	10
43	UNIV OF VIRGINIA	13,922	0	261	0	986	0	12	10,364	25	591	1,661	2	0
44	INDIANA UNIV-BLOOMINGTON	13,497	0	224	0	259	0	56	8,624	34	296	3,345	209	450
45	INDIANA UNIV-INDIANAPOLIS	12,434	0	0	0	0	0	0	12,286	0	0	148	0	0
46	UNIV OF OKLAHOMA	12,134	0	80	311	466	0	214	8,829	0	76	1,888	270	0
47	WEST VIRGINIA UNIV	11,913	3,555	0	24	18	0	636	6,232	463	90	681	129	85
48	WAYNE STATE UNIV	11,865	0	89	0	403	177	30	9,971	0	45	835	204	111
49	UNIV OF CONNECTICUT	11,585	1,351	115	0	694	0	83	7,863	146	285	1,048	0	0
50	UNIV OF NEW MEXICO	11,005	0	60	20	1,472	311	16	7,561	0	752	738	75	0
51	OKLAHOMA STATE UNIV	11,003	4,362	17	0	1,296	0	165	2,861	196	904	1,164	0	38
52	AUBURN UNIV	10,999	6,407	17	9	480	0	0	3,189	190	407	300	0	0
53	CUNY MT SINAI SCH OF MED	10,988	0	12	0	176	0	4	10,708	0	10	78	0	0
54	UNIV OF OREGON - EUGENE	10,846	0	347	0	249	540	0	7,000	0	445	2,180	0	85
55	UNIV OF MISSOURI KAN CITY	10,766	0	0	0	0	0	21	10,618	33	26	68	0	0
56	NEW MEXICO STATE UNIV	10,672	1,992	2	0	4,418	0	71	1,482	526	1,634	458	89	0
57	UNIV OF MD BALTIMORE	10,479	0	0	0	722	0	0	9,587	0	170	0	0	0
58	U TEX HOUSTON MED SCHOOL	10,204	0	0	0	0	0	0	10,204	0	0	0	0	0
59	U OF TENN MED UNITS MEMPH	10,184	0	94	0	288	0	0	9,755	0	0	44	0	0

56	NEW MEXICO STATE UNIV	10,672	1,992	2	0	4,418	0	71	1,482	526	1,634	458	89	0
57	UNIV OF MD BALTIMORE	10,479	0	0	0	722	0	0	9,587	0	170	0	0	0
58	U TEX HOUSTON MED SCHOOL	10,204	0	0	0	0	0	0	10,204	0	0	0	0	0
59	U OF TENN MED UNITS MEMPH	10,181	0	94	0	288	0	0	9,755	0	0	44	0	0
18	UNIV OF TEXAS AT AUSTIN	24,666	[illegible]	1,136	14	5,978	175	152	10,120	109	1,539	5,236	0	268
19	PENNSYLVANIA STATE UNIV	24,629	8,232	439	28	1,434	0	568	8,963	1,083	663	3,132	87	0
20	PURDUE UNIV	24,443	5,474	1,666	100	1,963	0	306	7,213	209	2,745	3,939	78	750
21	UNIV OF FLORIDA	23,357	4,469	384	0	998	0	633	14,066	179	562	1,916	0	150
22	UNIV OF MISSOURI COLUMBIA	22,348	5,890	40	6	915	0	140	13,551	180	192	1,340	10	84
23	TEXAS A & M UNIV	20,479	11,070	1,061	269	1,846	0	90	1,796	168	759	3,215	204	1
24	LA ST U MED CT SHREVEPORT	20,475	0	0	0	0	0	0	20,475	0	0	0	0	0
25	U OF ALA IN BIRMINGHAM	19,516	0	0	0	760	0	0	18,603	0	0	153	0	0
26	RUTGERS UNIVERSITY	19,489	2,574	94	0	267	531	368	11,225	196	110	4,110	0	14
27	UNIV OF HAWAII	19,011	1,393	695	46	1,978	340	404	8,513	123	1,050	4,469	0	0
28	UNIV OF KENTUCKY	18,701	7,268	79	104	697	0	220	8,615	368	248	575	0	527
29	N C STATE UNIV AT RALEIGH	18,174	9,198	511	0	342	228	445	3,662	201	446	2,274	0	867
30	UNIV OF CAL DAVIS	18,141	929	2,338	0	269	498	204	11,529	11	290	2,073	0	0
31	UNIV OF ARIZONA	18,100	1,997	348	6	3,064	0	235	8,207	269	1,528	2,446	0	0
32	TEMPLE UNIV	17,647	0	98	0	86	0	20	16,516	0	27	660	40	200
33	IOWA ST U OF SCIENCE&TECH	17,369	5,375	29	0	583	0	100	9,997	298	45	904	0	38
34	UNIV OF KANSAS	17,130	0	400	0	192	0	69	14,046	138	685	1,600	0	0
35	UNIV OF MD COLLEGE PARK	16,877	2,660	2,375	17	1,577	125	85	3,504	170	2,120	4,229	15	0
36	UNIV OF GEORGIA	16,845	6,994	537	306	253	0	111	5,727	185	203	2,329	0	200
37	U TEX SW MED SCH DALLAS	16,298	0	34	0	45	0	0	16,139	0	80	0	0	0
38	SUNY ST U BUFFALO	15,305	0	187	0	0	0	33	13,143	68	198	1,657	0	19
39	COLORADO STATE UNIV	15,155	2,520	239	112	827	0	861	4,860	909	471	3,739	0	617
40	UNIV OF ARK	14,756	4,906	100	66	0	0	99	8,684	141	32	728	0	0
41	OREGON STATE UNIV	14,465	2,754	444	36	1,220	0	685	4,286	281	201	3,965	0	593
42	UNIV OF TENN AT KNOXVILLE	14,024	6,590	1,550	0	610	0	18	4,005	175	251	815	0	10
43	UNIV OF VIRGINIA	13,922	0	261	0	986	0	12	10,364	25	591	1,661	2	0
44	INDIANA UNIV-BLOOMINGTON	13,497	0	224	0	259	0	56	8,624	34	296	3,345	209	450
45	INDIANA UNIV-INDIANAPOLIS	12,434	0	0	0	0	0	0	12,286	0	0	148	0	0
46	UNIV OF OKLAHOMA	12,134	0	80	311	466	0	214	8,829	0	76	1,888	270	0
47	WEST VIRGINIA UNIV	11,913	3,555	0	24	18	0	636	6,232	463	90	681	129	85
48	WAYNE STATE UNIV	11,865	0	89	0	403	177	30	9,971	0	45	835	204	111
49	UNIV OF CONNECTICUT	11,585	1,351	115	0	694	0	83	7,863	146	285	1,048	0	0
50	UNIV OF NEW MEXICO	11,005	0	60	20	1,472	311	16	7,561	0	752	738	75	0
51	OKLAHOMA STATE UNIV	11,003	4,362	17	0	1,296	0	165	2,861	196	904	1,164	0	38
52	AUBURN UNIV	10,999	6,407	17	9	480	0	0	3,189	190	407	300	0	0
53	CUNY MT SINAI SCH OF MED	10,988	0	12	0	176	0	4	10,708	0	10	78	0	0
54	UNIV OF OREGON - EUGENE	10,846	0	347	0	249	540	0	7,000	0	445	2,180	0	85
55	UNIV OF MISSOURI KAN CITY	10,766	0	0	0	0	0	21	10,618	33	26	68	0	0
56	NEW MEXICO STATE UNIV	10,672	1,992	2	0	4,418	0	71	1,482	526	1,634	458	89	0
57	UNIV OF MD BALTIMORE	10,479	0	0	0	722	0	0	9,587	0	170	0	0	0
58	U TEX HOUSTON MED SCHOOL	10,204	0	0	0	0	0	0	10,204	0	0	0	0	0
59	U OF TENN MED UNITS MEMPH	10,181	0	94	0	288	0	0	9,755	0	0	44	0	0
60	LA ST UNIV BATON ROUGE	10,065	4,986	185	0	793	0	261	1,987	130	321	1,402	0	0
61	KANSAS STATE UNIV	9,855	3,526	211	0	133	0	77	4,631	198	21	937	0	121
62	UNIV OF MASS AMHERST	9,741	2,521	258	0	508	0	482	3,240	247	202	2,283	0	0
63	UNIV OF NEBRASKA-LINCOLN	9,699	3,244	50	20	77	0	41	5,489	183	15	580	0	0
64	FLORIDA STATE UNIV	9,629	0	1,035	34	838	0	58	3,777	0	100	2,462	183	1,122
65	MISSISSIPPI STATE UNIV	9,436	6,760	0	0	164	0	190	1,793	100	160	271	0	0
66	VIRGINIA POLYTECHNIC INST	9,320	5,744	88	0	322	0	10	1,578	418	441	719	0	0
67	UNIV OF ALASKA	9,146	1,033	172	425	2,340	0	157	1,589	197	582	2,651	0	0
68	UNIV OF CAL IRVINE	9,095	0	640	15	3,331	0	0	4,017	0	0	1,092	0	0
69	WASHINGTON STATE UNIV	8,969	3,174	287	0	174	236	248	2,613	343	0	1,694	0	200
70	UNIV OF ILLINOIS-MED CTR	8,710	0	0	0	12	0	0	8,544	0	0	154	0	0

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO THE 100 PUBLIC UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
71	UNIV OF MISSISSIPPI	8,297	0	16	72	253	0	0	7,267	0	15	674	0	0
72	UNIV OF P R RIO PIEDRAS	8,218	5,218	0	0	0	0	0	2,845	0	0	155	0	0
73	SUNY ST U ALBANY	8,188	83	37	0	908	365	42	2,791	0	0	1,861	0	2,101
74	VA COMMONWEALTH UNIV	8,175	0	54	0	242	0	8	7,596	0	190	85	0	0
75	UNIV OF VERMONT	8,159	1,341	37	0	209	0	0	6,101	102	0	263	106	0
76	U OREGON MEDICAL SCHOOL	8,141	0	109	0	20	0	0	8,012	0	0	0	0	0
77	UTAH STATE UNIV	8,134	1,603	61	6	1,020	0	107	1,673	914	61	2,117	25	527
78	UNIV OF P R SAN JUAN	7,435	0	0	0	0	0	0	7,435	0	0	0	0	0
79	GEORGIA INST OF TECH	7,304	0	405	105	3,105	0	453	1,084	274	530	755	593	0
80	CLEMSON UNIV	6,673	5,145	40	0	171	0	283	338	163	95	438	0	0
81	U TEX MED BRNCH GALVESTON	6,542	0	0	0	0	0	0	6,414	0	128	0	0	0
82	UNIV OF CAL SANTA BARBARA	6,343	0	97	33	1,006	0	30	2,886	0	59	2,232	0	0
83	UNIV OF LOUISVILLE	6,199	0	0	0	213	0	16	5,683	0	30	257	0	0
84	SUNY DOWNSTATE MED CTR	6,194	0	0	0	57	0	0	6,117	0	0	20	0	0
85	MED UNIV OF S CAROLINA	5,849	0	0	0	174	0	238	5,410	0	0	27	0	0
86	U OF NEB MED CTR AT OMAHA	5,697	0	0	0	0	0	23	5,674	0	0	0	0	0
87	UNIV OF N H DURHAM	5,201	1,329	10	258	44	0	47	1,863	130	1,041	509	0	0
88	UNIV OF HOUSTON	5,191	0	134	0	199	230	0	2,956	0	1,138	517	17	0
89	SUNY ST U STONY BROOK	5,172	0	823	0	222	0	0	1,445	0	594	2,088	0	0
90	UNIV OF WYOMING	5,163	1,233	60	21	77	0	122	1,303	619	75	1,653	0	0
91	N J COL OF MED&DENTISTRY	4,953	0	0	0	0	0	0	4,926	0	0	27	0	0
92	UNIV OF RHODE ISLAND	4,929	1,013	5	20	1,228	0	42	1,518	171	64	868	0	0
93	UNIV OF CAL RIVERSIDE	4,847	471	318	0	78	15	604	2,550	0	139	672	0	0
94	UNIV OF NEV RENO CAMPUS	4,815	992	179	0	311	0	0	2,399	702	0	232	0	0
95	MONTANA STATE UNIV	4,789	1,925	49	3	156	0	191	1,515	363	0	587	0	0
96	ARIZONA STATE UNIV	4,589	0	89	0	246	0	0	3,438	0	76	738	0	2
97	SAN DIEGO STATE COL	4,534	0	35	0	872	261	0	2,397	0	0	969	0	0
98	NORTH DAKOTA STATE UNIV	4,428	2,350	1	0	144	0	0	1,477	243	14	199	0	0
99	UNIV OF DELAWARE	4,386	1,063	19	0	577	0	17	1,138	255	51	1,266	0	0
100	LA ST U MED CT N ORLEANS	4,227	0	0	0	207	0	0	3,987	0	0	33	0	0

*INCLUDES AID, HUD, LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-21

TOTAL FEDERAL OBLIGATIONS TO THE 100 PRIVATE UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL ALL INSTITUTIONS	1,374,562	7,778	49,447	2,334	111,619	16,681	7,105	941,704	3,085	68,499	155,316	4,360	6,634
	TOTAL 100 INSTITUTIONS	1,184,283	7,764	48,996	1,991	109,961	15,258	6,447	775,658	2,944	66,891	137,932	4,360	6,081
1	MASS INST OF TECH	89,574	30	7,784	194	26,979	0	382	12,572	807	28,018	11,291	1,271	246
2	STANFORD UNIV	54,648	0	623	21	9,803	0	413	27,133	66	4,674	10,843	120	952
3	HARVARD UNIV	54,037	0	1,919	102	3,318	868	516	35,760	36	5,065	5,645	100	709
4	COLUMBIA UNIV	52,219	0	4,896	428	3,952	700	74	31,354	98	2,402	7,929	0	386
5	HOWARD UNIV	51,543	7	89	180	0	5,095	33	45,863	0	170	94	0	12
6	JOHNS HOPKINS UNIV	45,548	0	1,030	50	2,243	0	168	36,307	63	2,254	2,866	445	122
7	CORNELL UNIV	41,367	7,362	1,579	2	3,306	0	225	17,272	297	907	9,844	0	573
8	NEW YORK UNIV	40,496	15	1,779	41	2,239	0	565	32,371	35	787	2,429	58	177
9	YALE UNIV	38,400	16	2,974	0	1,387	0	14	26,620	71	530	6,594	0	194
10	UNIV OF CHICAGO	37,819	0	4,772	324	1,658	0	89	21,037	0	3,523	6,323	0	93
11	UNIV OF SOUTHERN CAL	30,733	87	391	0	2,828	2,294	480	21,196	11	884	2,157	225	180
12	DUKE UNIV	29,157	0	842	15	4,374	140	9	20,603	20	167	2,471	16	500
13	WASHINGTON UNIV	28,480	0	279	0	1,539	0	0	23,616	0	876	1,868	0	302
14	UNIV OF ROCHESTER	25,497	0	4,635	0	1,573	0	37	15,067	0	192	3,983	0	10
15	YESHIVA UNIV	24,926	0	103	0	378	0	0	23,583	0	0	862	0	0
16	CASE WESTERN RESERVE UNIV	22,979	0	1,188	0	1,065	0	116	17,730	163	581	2,097	0	39
17	UNIV OF MIAMI	22,848	0	320	127	2,500	262	57	14,911	0	435	3,530	698	0
18	NORTHWESTERN UNIV	22,245	4	184	0	1,662	250	321	15,411	20	1,436	2,782	175	0
19	CAL INST OF TECH	20,490	0	2,397	0	1,489	0	215	4,637	285	4,179	7,288	0	0
20	ST LOUIS UNIV	18,044	0	0	0	92	0	0	17,511	0	0	431	0	10
21	MEHARRY MEDICAL COL	16,883	0	0	0	488	0	0	16,385	0	0	10	0	0
22	BAYLOR COL OF MEDICINE	16,811	0	9	0	159	0	0	16,284	0	286	73	0	0
23	VANDERBILT UNIV	16,347	0	130	0	336	0	390	14,274	0	70	1,147	0	0
24	PRINCETON UNIV	16,145	0	2,564	64	1,968	0	48	4,469	0	3,424	3,494	107	7
25	BOSTON UNIV	15,445	0	26	0	277	0	0	14,259	0	196	599	88	0
26	TULANE UNIV	15,048	0	69	0	135	344	25	12,704	0	126	1,645	0	0
27	NEW YORK MEDICAL COL	14,025	0	0	0	182	0	0	13,698	0	0	145	0	0
28	WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
29	GEORGETOWN UNIV	13,476	0	39	0	408	0	35	12,322	0	66	587	19	0
30	TUFTS UNIV	12,985	0	355	0	247	1,774	76	9,941	0	50	492	0	50
31	GEORGE WASHINGTON UNIV	12,698	0	20	30	1,585	553	136	8,811	35	977	406	0	145
32	DARTMOUTH COL	12,485	0	31	0	426	0	22	10,220	33	147	1,606	0	0
33	EMORY UNIV	11,717	0	52	0	82	0	0	10,518	0	147	918	0	0
34	UNIV OF CINCINNATI	11,375	0	156	0	700	0	399	9,533	0	80	517	0	0
35	CARNEGIE MELLON UNIV	10,436	0	1,631	31	2,402	0	33	1,822	221	166	3,946	168	16
36	GALLAUDET COL	9,504	0	0	0	0	0	0	9,493	0	0	11	0	0
37	CREIGHTON UNIV	9,199	0	0	0	0	0	0	9,184	0	0	15	0	0
38	BROWN UNIV	9,071	0	519	0	1,275	0	0	4,639	132	181	2,314	0	11
39	ROCKEFELLER UNIV	8,469	0	259	0	38	0	0	7,176	0	0	996	0	0
40	THOS JEFFERSON UNIV HOSP	8,293	0	59	0	754	0	0	7,399	0	0	81	0	0
41	SYRACUSE UNIV	7,890	30	175	0	907	0	186	4,517	133	79	1,695	159	9
42	UNIV OF NOTRE DAME	6,691	0	1,532	0	260	0	125	1,815	0	30	2,777	0	152
43	RICE UNIV	6,076	0	761	5	734	0	76	1,615	0	1,336	1,418	0	131
44	LOYOLA UNIV	5,845	0	43	0	41	0	0	5,540	0	0	210	0	11
45	BOSTON COL	5,677	0	61	0	1,105	373	0	3,586	0	38	506	0	8
46	BRANDEIS UNIV	5,603	0	328	0	89	0	0	3,693	0	25	1,127	0	341
47	HAHNEMANN MED COL & HOSP	5,470	0	0	0	247	0	0	5,072	0	0	151	0	0
48	UNIV OF DENVER	5,387	98	0	0	1,976	0	0	1,770	150	264	1,129	0	0
49	ILLINOIS INST OF TECH	5,366	0	146	0	712	0	30	3,084	0	112	1,282	0	0
50	RENSSELAER POLYTECH INST	5,198	0	1,107	35	931	0	72	1,077	60	631	1,234	51	0
51	WAKE FOREST UNIV	5,169	0	23	0	250	0	22	4,582	0	24	167	0	101
52	NORTHEASTERN UNIV	5,025	0	65	0	823	173	54	2,736	0	113	936	0	125
53	UNIV OF DAYTON	4,897	0	0	0	3,974	0	0	688	0	45	190	0	0
54	TUSKEGEE INST	4,851	108	38	0	0	646	72	3,850	0	83	54	0	0
55	PA COL OF PODIATRIC MED	4,849	0	0	0	0	0	0	4,849	0	0	0	0	0
56	ALBANY MEDICAL COL	4,840	0	0	0	0	0	0	4,830	0	0	10	0	0
57	CATHOLIC UNIV OF AMERICA	4,634	0	51	10	806	772	13	2,201	0	65	688	28	0
58	TEACHERS COL	4,183	0	0	0	0	0	0	3,655	0	0	528	0	0
59	LOMA LINDA UNIV	3,896	1	0	0	0	0	0	3,877	0	0	19	0	0
60	POLYTECHNIC INST OF BKLYN	3,823	0	46	0	1,695	0	0	766	0	80	1,094	148	0

58 TEACHERS COL	4,183	0	0	0	0	0	0	3,655	0	0	528	0	0
59 LOMA LINDA UNIV	3,896	0	0	0	0	0	0	3,877	0	0	19	0	0
60 POLYTECHNIC INST OF BKLYN	3,823	0	46	0	1,695	0	0	766	0	80	1,094	148	0
14 UNIV OF ROCHESTER	25,497	0	4,635	0	1,573	0	37	15,067	0	192	3,983	0	10
15 YESHIVA UNIV	24,926	0	103	0	378	0	0	23,583	0	0	862	0	0
16 CASE WESTERN RESERVE UNIV	22,979	0	1,188	0	1,065	0	116	17,730	163	581	2,097	0	39
17 UNIV OF MIAMI	22,848	0	320	127	2,500	262	57	14,911	0	435	3,538	698	0
18 NORTHWESTERN UNIV	22,245	4	184	0	1,662	250	321	15,411	20	1,436	2,782	175	0
19 CAL INST OF TECH	20,490	0	2,397	0	1,489	0	215	4,637	285	4,179	7,288	0	0
20 ST LOUIS UNIV	18,044	0	0	0	92	0	0	17,511	0	0	431	0	10
21 MEHARRY MEDICAL COL	16,883	0	0	0	488	0	0	16,385	0	0	10	0	0
22 BAYLOR COL OF MEDICINE	16,811	0	9	0	159	0	0	16,284	0	286	73	0	0
23 VANDERBILT UNIV	16,347	0	130	0	336	0	390	14,274	0	70	1,147	0	0
24 PRINCETON UNIV	16,145	0	2,564	64	1,968	0	48	4,469	0	3,424	3,494	107	7
25 BOSTON UNIV	15,445	0	26	0	277	0	0	14,259	0	196	599	88	0
26 TULANE UNIV	15,048	0	69	0	135	344	25	12,704	0	126	1,645	0	0
27 NEW YORK MEDICAL COL	14,025	0	0	0	182	0	0	13,698	0	0	145	0	0
28 WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
29 GEORGETOWN UNIV	13,476	0	39	0	408	0	35	12,322	0	66	587	19	0
30 TUFTS UNIV	12,985	0	355	0	247	1,774	76	9,941	0	50	492	0	50
31 GEORGE WASHINGTON UNIV	12,698	0	20	30	1,585	553	136	8,811	35	977	406	0	145
32 DARTMOUTH COL	12,485	0	31	0	426	0	22	10,220	33	147	1,606	0	0
33 EMORY UNIV	11,717	0	52	0	82	0	0	10,518	0	147	918	0	0
34 UNIV OF CINCINNATI	11,375	0	156	0	700	0	399	9,533	0	80	517	0	0
35 CARNEGIE MELLON UNIV	10,436	0	1,631	31	2,402	0	33	1,822	221	166	3,946	168	16
36 GALLAUDET COL	9,504	0	0	0	0	0	0	9,493	0	0	11	0	0
37 CREIGHTON UNIV	9,199	0	0	0	0	0	0	9,184	0	0	15	0	0
38 BROWN UNIV	9,071	0	519	0	1,275	0	0	4,639	132	181	2,314	0	11
39 ROCKEFELLER UNIV	8,469	0	259	0	38	0	0	7,176	0	0	996	0	0
40 THOS JEFFERSON UNIV MCSP	8,293	0	59	0	754	0	0	7,399	0	0	81	0	0
41 SYRACUSE UNIV	7,890	30	175	0	907	0	186	4,517	133	79	1,695	159	9
42 UNIV OF NOTRE DAME	6,691	0	1,532	0	260	0	125	1,815	0	30	2,777	0	152
43 RICE UNIV	6,076	0	761	5	734	0	76	1,615	0	1,336	1,418	0	131
44 LOYOLA UNIV	5,845	0	43	0	41	0	0	5,540	0	0	210	0	11
45 BOSTON COL	5,677	0	61	0	1,105	373	0	3,586	0	38	506	0	8
46 BRANDEIS UNIV	5,603	0	328	0	89	0	0	3,693	0	25	1,127	0	341
47 HAHNEMANN MED COL & HCSP	5,470	0	0	0	247	0	0	5,072	0	0	151	0	0
48 UNIV OF DENVER	5,387	98	0	0	1,976	0	0	1,770	150	264	1,129	0	0
49 ILLINOIS INST OF TECH	5,366	0	146	0	712	0	30	3,084	0	112	1,282	0	0
50 RENSSELAER POLYTECH INST	5,198	0	1,107	35	931	0	72	1,077	60	631	1,234	51	0
51 WAKE FOREST UNIV	5,169	0	23	0	350	0	22	4,582	0	24	167	0	101
52 NORTHEASTERN UNIV	5,025	0	65	0	823	173	54	2,736	0	113	936	0	125
53 UNIV OF DAYTON	4,897	0	0	0	3,974	0	0	688	0	45	190	0	0
54 TUSKEGEE INST	4,851	108	38	0	0	646	72	3,850	0	83	54	0	0
55 PA COL OF PODIATRIC MED	4,849	0	0	0	0	0	0	4,849	0	0	0	0	0
56 ALBANY MEDICAL COL	4,840	0	0	0	0	0	0	4,830	0	0	10	0	0
57 CATHOLIC UNIV OF AMERICA	4,634	0	51	10	806	772	13	2,201	0	65	688	28	0
58 TEACHERS COL	4,183	0	0	0	0	0	0	3,655	0	0	528	0	0
59 LOMA LINDA UNIV	3,896	0	0	0	0	0	0	3,877	0	0	19	0	0
60 POLYTECHNIC INST OF BKLYN	3,823	0	46	0	1,695	0	0	766	0	80	1,094	148	0
61 MEDICAL COLLEGE OF WISC	3,369	0	0	27	43	0	35	3,124	0	0	70	0	70
62 MARQUETTE UNIV	3,251	0	36	0	82	0	37	2,771	0	22	303	0	0
63 LEHIGH UNIV	3,201	0	59	191	517	0	104	369	72	313	1,471	115	0
64 MEDICAL COLLEGE OF PA	2,995	0	0	0	0	0	0	2,902	0	0	93	0	0
65 AMERICAN UNIVERSITY	2,848	0	16	0	1,365	0	0	868	0	67	334	196	0
66 DREXEL UNIVERSITY	2,550	0	44	0	346	0	564	1,154	0	116	326	0	0
67 UNIV OF THE PACIFIC	2,548	0	0	0	26	250	0	2,171	0	0	101	0	0
68 LOS ANGELES COL OF OPTOM	2,523	0	0	0	0	0	0	2,523	0	0	0	0	0
69 GEORGE PEABODY COL TCHRS	2,475	0	0	0	0	0	0	2,304	0	0	171	0	0
70 BAYLOR UNIV	2,314	0	33	0	308	0	0	1,827	0	0	146	0	0

TABLE B-21
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO THE 100 PRIVATE UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
71	ATLANTA UNIV	2,170	0	0	0	0	131	0	1,723	0	0	128	150	38
72	BISHOP COL	2,088	0	0	0	0	0	0	1,971	0	53	64	0	0
73	FORDHAM UNIV	1,958	0	0	0	0	0	0	1,637	0	157	164	0	0
74	SOUTHERN METHODIST UNIV	1,863	0	0	0	179	0	26	489	0	29	1,055	0	85
75	WILBERFORCE UNIV	1,858	0	0	0	0	0	0	1,858	0	0	0	0	0
76	INTER AMER UNIV OF P R	1,792	0	0	0	0	0	0	1,746	0	0	46	0	0
77	SETON HALL UNIV	1,769	0	0	0	12	0	0	1,676	0	0	81	0	0
78	UNIV OF DETROIT	1,721	0	3	0	42	0	0	1,508	0	0	168	0	0
79	ANTIOCH COL	1,695	0	0	0	0	0	0	1,584	0	0	111	0	0
80	CLARK UNIV	1,649	0	26	0	0	0	0	1,226	66	7	324	0	0
81	FISK UNIV	1,616	0	0	3	0	0	0	1,505	0	0	108	0	0
82	ADELPHI UNIV	1,591	0	0	0	0	0	51	1,349	0	0	191	0	0
83	XAVIER U OF LOUISIANA	1,574	0	0	0	0	0	0	1,558	0	0	16	0	0
84	CHICAGO MEDICAL SCHOOL	1,557	0	0	0	15	0	0	1,542	0	0	0	0	0
85	CENTRAL YMCA COMM COL	1,536	0	0	0	0	0	0	1,536	0	0	0	0	0
86	CLARK COL	1,438	0	0	0	0	0	0	1,397	0	0	41	0	0
87	MARYCREST COL	1,399	0	0	0	0	0	0	1,370	0	0	29	0	0
88	KIRKSVILLE COL OF OSTEOP	1,384	0	0	0	0	0	0	1,384	0	0	0	0	0
89	MARY HOLMES COLLEGE	1,379	0	0	0	0	633	0	746	0	0	0	0	0
90	MILES COL	1,313	0	0	0	0	0	0	1,312	0	0	1	0	0
91	BRIGHAM YOUNG UNIV	1,298	7	41	31	136	0	28	632	0	20	403	0	0
92	ST PETERS COL	1,289	0	0	0	569	0	0	690	0	0	30	0	0
93	WENTWORTH INST	1,279	0	0	0	987	0	0	86	0	0	206	0	0
94	ST AUGUSTINES COL	1,278	0	0	0	0	0	0	1,252	0	0	26	0	0
95	LINCOLN UNIV	1,261	0	21	0	0	0	0	1,195	0	0	45	0	0
96	WESLEYAN UNIV	1,251	0	0	15	59	0	0	650	0	126	401	0	0
97	KITTRELL COL	1,249	0	0	0	0	0	0	1,239	0	0	10	0	0
98	LONG ISLAND UNIVERSITY	1,233	0	11	0	0	0	0	917	0	16	13	0	276
99	KANSAS CITY COL OF OSTEOP	1,200	0	0	0	0	0	0	1,200	0	0	0	0	0
100	HAMPTON INST	1,196	0	0	0	0	0	0	1,096	0	0	100	0	0

*INCLUDES AID, HUD, LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION (CASE)

TABLE B-22

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	3,480,150	214,597	105,836	9,673	241,773	37,521	27,160	2,263,406	22,617	134,054	387,737	10,824	24,952
ALABAMA, TOTAL	53,802	6,549	105	14	2,454	646	142	40,873	353	1,641	1,025	0	0
ALA AGR AND MECH COL	1,437	34	25	0	0	0	0	1,221	0	93	64	0	0
ALA CHRISTIAN COL	45	0	0	0	0	0	0	45	0	0	0	0	0
ALABAMA STATE UNIVERSITY	641	0	0	0	0	0	0	641	0	0	0	0	0
ALBERT P BREWER ST JR COL	751	0	0	0	0	0	0	751	0	0	0	0	0
ALEXANDER CITY ST JR COL	61	0	0	0	0	0	0	61	0	0	0	0	0
ATHENS COL	38	0	0	0	0	0	0	38	0	0	0	0	0
AUBURN UNIV	10,999	6,407	17	9	480	0	0	3,189	190	407	300	0	0
BIRMINGHAM-SOUTHERN COL	79	0	0	0	0	0	0	77	0	0	2	0	0
CALHOUN ST TECH JR COL	123	0	0	0	0	0	0	123	0	0	0	0	0
CULLMAN COLLEGE	16	0	0	0	0	0	0	16	0	0	0	0	0
DANIEL PAYNE COL	163	0	0	0	0	0	0	163	0	0	0	0	0
ENTERPRISE JR COL	56	0	0	0	0	0	0	56	0	0	0	0	0
FAULKNER STATE JUNIOR COL	63	0	0	0	0	0	0	63	0	0	0	0	0
FLORENCE STATE UNIVERSITY	419	0	0	0	0	0	0	417	0	0	2	0	0
G C WALLACE ST TEC JR COL	26	0	0	0	0	0	0	24	0	0	2	0	0
GADSDEN STATE JR COLLEGE	328	0	0	0	0	0	0	328	0	0	0	0	0
HUNTINGDON COL	343	0	0	0	0	0	0	333	0	0	10	0	0
JACKSONVILLE ST UNIV	416	0	0	0	0	0	0	414	0	0	2	0	0
JEFFERSON DAVIS COL	35	0	0	0	0	0	0	35	0	0	0	0	0
JEFFERSON ST JR COL	822	0	0	0	0	0	0	822	0	0	0	0	0
JUDSON COL	22	0	0	0	0	0	0	22	0	0	0	0	0
LAWSON STATE JUNIOR COL	276	0	0	0	0	0	0	276	0	0	0	0	0
LIVINGSTON UNIVERSITY	448	0	0	0	0	0	0	438	0	0	10	0	0
LURLEEN B WALLACE ST JR C	550	0	0	0	0	0	0	550	0	0	0	0	0
MARION INST	8	0	0	0	0	0	0	8	0	0	0	0	0
MILES COL	1,313	0	0	0	0	0	0	1,312	0	0	1	0	0
MOBILE COL	48	0	0	0	0	0	0	48	0	0	0	0	0
MOBILE ST JR COL	261	0	0	0	0	0	0	261	0	0	0	0	0
NE ALABAMA STATE JR COLL	106	0	0	0	0	0	0	104	0	0	2	0	0
NORTHWEST ALA ST JR COL	40	0	0	0	0	0	0	40	0	0	0	0	0
OAKWOOD COL	37	0	0	0	0	0	0	37	0	0	0	0	0
PATRICK HENRY ST JR COL	106	0	0	0	0	0	0	106	0	0	0	0	0
SAMFORD UNIV	223	0	0	0	0	0	0	194	0	0	29	0	0
SELMA UNIV	154	0	0	0	0	0	0	154	0	0	0	0	0
SNEAD STATE JUNIOR COL	14	0	0	0	0	0	0	14	0	0	0	0	0
SOUTHERN UNION ST JR COL	265	0	0	0	0	0	0	265	0	0	0	0	0
SPRING HILL COL	161	0	0	0	0	0	0	161	0	0	0	0	0
ST BERNARD COL	52	0	0	0	0	0	0	50	0	0	2	0	0
STILLMAN COL	928	0	0	0	0	0	0	928	0	0	0	0	0
TALLADEGA COL	660	0	0	0	0	0	0	577	0	56	27	0	0
TROY STATE UNIV	429	0	0	0	0	0	0	419	0	0	10	0	0
TUSKEGEE INST	4,851	108	38	0	0	646	72	3,850	0	83	54	0	0
U OF ALA IN BIRMINGHAM	19,516	0	0	0	760	0	0	18,603	0	1	153	0	0
U OF ALA IN HUNTSVILLE	1,187	0	0	0	395	0	0	42	0	723	27	0	0
U OF ALA IN TUSCALOOSA	3,752	0	25	5	58	0	70	2,879	163	268	284	0	0
UNIV OF MONTEVALLO	146	0	0	0	0	0	0	109	0	11	26	0	0
UNIV OF SOUTH ALA	1,385	0	0	0	761	0	0	606	0	0	18	0	0
WALKER COL	3	0	0	0	0	0	0	3	0	0	0	0	0
ALASKA, TOTAL	9,571	1,033	172	425	2,340	0	157	2,000	197	582	2,665	0	0
ALASKA METHODIST UNIV	402	0	0	0	0	0	0	388	0	0	14	0	0
KODIAK COMMUNITY COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
SHELDON JACKSON JR COL	18	0	0	0	0	0	0	18	0	0	0	0	0
UNIV OF ALASKA	9,146	1,033	172	425	2,340	0	157	1,589	197	582	2,651	0	0
ARIZONA, TOTAL	27,282	2,026	437	6	3,314	400	235	15,429	280	1,604	3,349	0	2
ARIZ WESTERN COL	204	0	0	0	0	0	0	202	0	0	2	0	0
ARIZONA STATE UNIV	4,589	0	89	0	246	0	0	3,438	0	76	738	0	2
CENTRAL ARIZONA COL	119	0	0	0	0	0	0	119	0	0	0	0	0
COCHISE COL	300	0	0	0	0	0	0	300	0	0	0	0	0
EASTERN ARIZ JR COL	165	0	0	0	0	0	0	165	0	0	0	0	0
GLENDALE COMM COL	72	0	0	0	0	0	0	70	0	0	2	0	0
GRAND CANYON COL	45	0	0	0	0	0	0	45	0	0	0	0	0
MARICOPA CTY J C CEN SYS	30	0	0	0	0	0	0	30	0	0	0	0	0
MARICOPA TECHNICAL COLL	66	0	0	0	0	0	0	66	0	0	0	0	0
MESA COMM COL	201	0	0	0	0	0	0	201	0	0	0	0	0
NAVAJO COMMUNITY COLLEGE	1,140	0	0	0	0	600	0	530	0	0	10	0	0
NORTHERN ARIZ UNIV	1,114	29	0	0	4	0	0	941	0	0	140	0	0

MESA COMM COL	201	0	0	0	0	0	0	201	0	0	0	0	0
NAVAJO COMMUNITY COLLEGE	1,140	0	0	0	0	600	0	530	0	0	10	0	0
NORTHERN ARIZ UNIV	1,114	29	0	0	4	0	0	941	0	0	140	0	0
PHOENIX COL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JEFFERSON DAVIS COL	35	0	0	0	0	0	0	35	0	0	0	0	0
JEFFERSON ST JR COL	822	0	0	0	0	0	0	822	0	0	0	0	0
JUDSON COL	22	0	0	0	0	0	0	22	0	0	0	0	0
LAWSON STATE JUNIOR COL	276	0	0	0	0	0	0	276	0	0	0	0	0
LIVINGSTON UNIVERSITY	448	0	0	0	0	0	0	438	0	0	10	0	0
LURLEEN B WALLACE ST JR C	550	0	0	0	0	0	0	550	0	0	0	0	0
MARION INST	8	0	0	0	0	0	0	8	0	0	0	0	0
MILES COL	1,313	0	0	0	0	0	0	1,312	0	0	1	0	0
MOBILE COL	48	0	0	0	0	0	0	48	0	0	0	0	0
MOBILE ST JR COL	261	0	0	0	0	0	0	261	0	0	0	0	0
NE ALABAMA STATE JR COLL	106	0	0	0	0	0	0	104	0	0	2	0	0
NORTHWEST ALA ST JR COL	40	0	0	0	0	0	0	40	0	0	0	0	0
OAKWOOD COL	37	0	0	0	0	0	0	37	0	0	0	0	0
PATRICK HENRY ST JR COL	106	0	0	0	0	0	0	106	0	0	0	0	0
SAMFORD UNIV	223	0	0	0	0	0	0	194	0	0	29	0	0
SELMA UNIV	154	0	0	0	0	0	0	154	0	0	0	0	0
SNEAD STATE JUNIOR COL	14	0	0	0	0	0	0	14	0	0	0	0	0
SOUTHERN UNION ST JR COL	265	0	0	0	0	0	0	265	0	0	0	0	0
SPRING HILL COL	161	0	0	0	0	0	0	161	0	0	0	0	0
ST BERNARD COL	52	0	0	0	0	0	0	50	0	0	2	0	0
STILLMAN COL	928	0	0	0	0	0	0	928	0	0	0	0	0
TALLADEGA COL	660	0	0	0	0	0	0	577	0	56	27	0	0
TROY STATE UNIV	429	0	0	0	0	0	0	419	0	0	10	0	0
TUSKEGEE INST	4,851	108	38	0	0	646	72	3,850	0	83	54	0	0
U OF ALA IN BIRMINGHAM	19,516	0	0	0	760	0	0	18,603	0	0	153	0	0
U OF ALA IN HUNTSVILLE	1,187	0	0	0	395	0	0	42	0	723	27	0	0
U OF ALA IN TUSCALOOSA	3,752	0	25	5	58	0	70	2,879	163	268	284	0	0
UNIV OF MONTEVALLO	146	0	0	0	0	0	0	109	0	11	26	0	0
UNIV OF SOUTH ALA	1,385	0	0	0	761	0	0	606	0	0	18	0	0
WALKER COL	3	0	0	0	0	0	0	3	0	0	0	0	0
ALASKA, TOTAL	9,571	1,033	172	425	2,340	0	157	2,000	197	582	2,665	0	0
ALASKA METHODIST UNIV	402	0	0	0	0	0	0	388	0	0	14	0	0
KODIAK COMMUNITY COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
SHELDON JACKSON JR COL	18	0	0	0	0	0	0	18	0	0	0	0	0
UNIV OF ALASKA	9,146	1,033	172	425	2,340	0	157	1,589	197	582	2,651	0	0
ARIZONA, TOTAL	27,282	2,026	437	6	3,314	600	235	15,429	280	1,604	3,349	0	2
ARIZ WESTERN COL	204	0	0	0	0	0	0	202	0	0	2	0	0
ARIZONA STATE UNIV	4,589	0	89	0	246	0	0	3,438	0	76	738	0	2
CENTRAL ARIZONA COL	119	0	0	0	0	0	0	119	0	0	0	0	0
COCHISE COL	300	0	0	0	0	0	0	300	0	0	0	0	0
EASTERN ARIZ JR COL	165	0	0	0	0	0	0	165	0	0	0	0	0
GLENDALE COMM COL	72	0	0	0	0	0	0	70	0	0	2	0	0
GRAND CANYON COL	45	0	0	0	0	0	0	45	0	0	0	0	0
MARICOPA CTY J C CEN SYS	30	0	0	0	0	0	0	30	0	0	0	0	0
MARICOPA TECHNICAL COLL	66	0	0	0	0	0	0	66	0	0	0	0	0
MESA COMM COL	201	0	0	0	0	0	0	201	0	0	0	0	0
NAVAJO COMMUNITY COLLEGE	1,140	0	0	0	0	600	0	530	0	0	10	0	0
NORTHERN ARIZ UNIV	1,114	29	0	0	4	0	0	941	0	0	140	0	0
PHOENIX COL	605	0	0	0	0	0	0	603	0	0	2	0	0
PIMA COUNTY JR COLLEGE	429	0	0	0	0	0	0	429	0	0	0	0	0
PRESCOTT COL	103	0	0	0	0	0	0	83	11	0	9	0	0
UNIV OF ARIZONA	18,100	1,997	348	6	3,064	0	235	8,207	249	1,528	2,446	0	0
ARKANSAS, TOTAL	21,855	4,928	100	66	0	0	99	15,640	141	77	804	0	0
AG MECH&NORMAL COL OF ARK	1,452	22	0	0	0	0	0	1,420	0	0	10	0	0
ARK BAPTIST COL	57	0	0	0	0	0	0	57	0	0	0	0	0
ARK COL	282	0	0	0	0	0	0	282	0	0	0	0	0
ARK POLYTECHNIC COL	368	0	0	0	0	0	0	368	0	0	0	0	0
ARK ST UNIV	532	0	0	0	0	0	0	522	0	0	10	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER
ARKANSAS													
COL OF THE OZARKS	75	0	0	0	0	0	0	75	0	0	0	0	0
CROWLEY'S RIDGE COL	72	0	0	0	0	0	0	72	0	0	0	0	0
HARDING COL	169	0	0	0	0	0	0	113	0	45	11	0	0
HENDERSON STATE COL	443	0	0	0	0	0	0	443	0	0	0	0	0
HENDRIX COL	55	0	0	0	0	0	0	53	0	0	2	0	0
JOHN BROWN UNIV	62	0	0	0	0	0	0	60	0	0	2	0	0
OUACHITA BAPTIST UNIV	739	0	0	0	0	0	0	737	0	0	2	0	0
PHILANDER SMITH COL	499	0	0	0	0	0	0	499	0	0	0	0	0
PHILLIPS CO COMM COLL	144	0	0	0	0	0	0	144	0	0	0	0	0
SHORTER COL	89	0	0	0	0	0	0	89	0	0	0	0	0
SOUTHERN BAPTIST COL	233	0	0	0	0	0	0	233	0	0	0	0	0
SOUTHERN ST COL	1,020	0	0	0	0	0	0	983	0	0	37	0	0
STATE COLLEGE OF ARKANSAS	741	0	0	0	0	0	0	739	0	0	2	0	0
UNIV OF ARK	14,756	4,906	100	66	0	0	99	8,684	141	32	728	0	0
WESTARK JR COL	67	0	0	0	0	0	0	67	0	0	0	0	0
CALIFORNIA, TOTAL	394,525	7,557	15,425	366	39,964	6,675	3,614	228,932	1,958	24,732	63,186	1,189	1,327
ALLAN HANCOCK COL	80	0	0	0	0	0	0	80	0	0	0	0	0
AMER RIVER COL	532	0	0	0	0	0	0	532	0	0	0	0	0
ANTELOPE VALLEY COL	117	0	0	0	0	0	0	117	0	0	0	0	0
ARMSTRONG SCH OF BUS	23	0	0	0	0	0	0	23	0	0	0	0	0
ART CTR COL OF DESIGN	9	0	0	0	0	0	0	9	0	0	0	0	0
AZUSA PACIFIC COL	145	0	0	0	0	0	0	145	0	0	0	0	0
BAKERSFIELD COL	143	0	0	0	0	0	0	143	0	0	0	0	0
BARSTOW COL	55	0	0	0	0	0	0	55	0	0	0	0	0
BETHANY BIBLE COL	64	0	0	0	0	0	0	64	0	0	0	0	0
BIOLA COL	188	0	0	0	0	0	0	188	0	0	0	0	0
BLYTHE COL	17	0	0	0	0	0	0	17	0	0	0	0	0
CABRILLO COL	173	0	0	0	0	0	0	173	0	0	0	0	0
CAL COL OF ARTS & CRAFTS	72	0	0	0	0	0	0	72	0	0	0	0	0
CAL COL OF PODIATRIC MED	429	0	0	0	0	0	0	429	0	0	0	0	0
CAL CONCORDIA COL	4	0	0	0	0	0	0	4	0	0	0	0	0
CAL INST OF TECH	20,490	0	2,397	0	1,489	0	215	4,637	285	4,179	7,288	0	0
CAL INST OF THE ARTS	170	0	0	0	0	0	0	170	0	0	0	0	0
CAL LUTHERAN COL	87	0	0	0	0	0	0	77	0	0	10	0	0
CAL MARITIME ACAD	190	0	0	190	0	0	0	0	0	0	0	0	0
CAL ST COL AT BAKERSFIELD	531	0	0	0	0	0	0	479	0	0	52	0	0
CAL ST COL AT FULLERTON	695	0	0	0	0	0	0	528	0	27	140	0	0
CAL ST COL AT HAYWARD	1,481	0	4	0	0	0	0	1,466	0	0	11	0	0
CAL ST COL AT LONG BEACH	1,467	0	0	0	53	0	0	1,334	0	13	67	0	0
CAL ST COL AT LOS ANGELES	2,617	0	0	0	30	0	20	2,497	10	0	60	0	0
CAL ST COL DOMINGUEZ HILL	409	0	0	0	0	0	0	409	0	0	0	0	0
CAL ST COL SAN BERNARDINO	143	0	0	0	0	0	0	131	0	0	12	0	0
CAL ST POLY C POMONA	715	0	0	0	12	0	0	673	0	0	30	0	0
CAL ST POLY C SAN LU OBIS	191	0	0	0	0	0	50	48	0	0	93	0	0
CANADA COL	171	0	0	0	0	0	0	171	0	0	0	0	0
CERRITOS COL	233	0	0	0	0	0	0	233	0	0	0	0	0
CHABOT COL	146	0	0	0	0	0	0	146	0	0	0	0	0
CHAFFEY COL	69	0	0	0	0	0	0	67	0	0	2	0	0
CHAPMAN COL	76	0	0	0	0	0	0	76	0	0	0	0	0
CHICO STATE COL	893	4	0	0	0	0	0	781	0	7	101	0	0
CITRUS COL	26	0	0	0	0	0	0	16	0	0	10	0	0
CITY COL OF SAN FRANCISCO	432	0	0	0	0	0	0	432	0	0	0	0	0
CLAREMONT COL. CEN SYS	94	0	0	0	0	0	0	94	0	0	0	0	0
CLAREMONT GRADUATE SCHOOL	691	0	0	0	0	0	0	111	0	0	555	0	25
CLAREMONT MENS COL	11	0	0	0	0	0	0	11	0	0	0	0	0
COL OF ALAMEDA	181	0	0	0	0	0	0	181	0	0	0	0	0
COL OF MARIN	169	0	0	0	0	0	0	127	0	0	42	0	0
COL OF NOTRE DAME	73	0	0	0	0	0	0	15	0	0	58	0	0
COL OF SAN MATEO	374	0	0	0	0	0	0	374	0	0	0	0	0
COL OF THE DESERT	59	0	0	0	0	0	0	59	0	0	0	0	0
COL OF THE HOLY NAMES	85	0	0	0	0	0	0	26	0	0	59	0	0
COL OF THE REDWOODS	76	0	0	0	0	0	0	76	0	0	0	0	0
COL OF THE SEQUOIAS	79	0	0	0	0	0	0	79	0	0	0	0	0
COL OF THE SISKIYOUS	44	0	0	0	0	0	0	44	0	0	0	0	0
COLLEGE OF THE CANYONS	19	0	0	0	0	0	0	19	0	0	0	0	0
COLUMBIA JR COL	60	0	0	0	0	0	0	60	0	0	0	0	0
COMPTON COL	309	0	0	0	0	0	0	309	0	0	0	0	0
CONSUMNES RIVER COL	41	0	0	0	0	0	0	41	0	0	0	0	0
CONTRA COSTA COL	404	0	0	0	0	0	0	377	0	0	27	0	0

COMPTON COL	309	0	0	0	0	0	0	309	0	0	0	0	0
CONSUMNES RIVER COL	41	0	0	0	0	0	0	41	0	0	0	0	0
CONTRA COSTA COL	404	0	0	0	0	0	0	377	0	0	27	0	0
ALLAN HANCOCK COL	80	0	0	0	0	0	0	80	0	0	0	0	0
AMER RIVER COL	532	0	0	0	0	0	0	532	0	0	0	0	0
ANTELOPE VALLEY COL	117	0	0	0	0	0	0	117	0	0	0	0	0
ARMSTRONG SCH OF BUS	23	0	0	0	0	0	0	23	0	0	0	0	0
ART CTR COL OF DESIGN	9	0	0	0	0	0	0	9	0	0	0	0	0
AZUSA PACIFIC COL	145	0	0	0	0	0	0	145	0	0	0	0	0
BAKERSFIELD COL	143	0	0	0	0	0	0	143	0	0	0	0	0
BARSTOW COL	55	0	0	0	0	0	0	55	0	0	0	0	0
BETHANY BIBLE COL	64	0	0	0	0	0	0	64	0	0	0	0	0
BIOLA COL	188	0	0	0	0	0	0	188	0	0	0	0	0
BLYTE COL	17	0	0	0	0	0	0	17	0	0	0	0	0
CABRILLO COL	173	0	0	0	0	0	0	173	0	0	0	0	0
CAL COL OF ARTS & CRAFTS	72	0	0	0	0	0	0	72	0	0	0	0	0
CAL COL OF PODIATRIC MED	429	0	0	0	0	0	0	429	0	0	0	0	0
CAL CONCORDIA COL	4	0	0	0	0	0	0	4	0	0	0	0	0
CAL INST OF TECH	20,490	0	2,397	0	1,489	0	215	4,637	285	4,179	7,288	0	0
CAL INST OF THE ARTS	170	0	0	0	0	0	0	170	0	0	0	0	0
CAL LUTHERAN COL	87	0	0	0	0	0	0	77	0	0	10	0	0
CAL MARITIME ACAD	190	0	0	190	0	0	0	0	0	0	0	0	0
CAL ST COL AT BAKERSFIELD	531	0	0	0	0	0	0	479	0	0	52	0	0
CAL ST COL AT FULLERTON	695	0	0	0	0	0	0	528	0	27	140	0	0
CAL ST COL AT HAYWARD	1,481	0	4	0	0	0	0	1,466	0	0	11	0	0
CAL ST COL AT LONG BEACH	1,467	0	0	0	53	0	0	1,334	0	13	67	0	0
CAL ST COL AT LOS ANGELES	2,617	0	0	0	30	0	20	2,497	10	0	60	0	0
CAL ST COL DOMINGUEZ HILL	409	0	0	0	0	0	0	409	0	0	0	0	0
CAL ST COL SAN BERNARDINO	143	0	0	0	0	0	0	131	0	0	12	0	0
CAL ST POLY C POMONA	715	0	0	0	12	0	0	673	0	0	30	0	0
CAL ST POLY C SAN LU OBIS	191	0	0	0	0	0	50	48	0	0	93	0	0
CANADA COL	171	0	0	0	0	0	0	171	0	0	0	0	0
CERRITOS COL	233	0	0	0	0	0	0	233	0	0	0	0	0
CHABOT COL	146	0	0	0	0	0	0	146	0	0	0	0	0
CHAFFEY COL	69	0	0	0	0	0	0	67	0	0	2	0	0
CHAPMAN COL	76	0	0	0	0	0	0	76	0	0	0	0	0
CHICO STATE COL	893	4	0	0	0	0	0	781	0	7	101	0	0
CITRUS COL	26	0	0	0	0	0	0	16	0	0	10	0	0
CITY COL OF SAN FRANCISCO	432	0	0	0	0	0	0	432	0	0	0	0	0
CLAREMONT COL. CEN SYS	94	0	0	0	0	0	0	94	0	0	0	0	0
CLAREMONT GRADUATE SCHOOL	691	0	0	0	0	0	0	111	0	0	555	0	25
CLAREMONT MENS COL	11	0	0	0	0	0	0	11	0	0	0	0	0
COL OF ALAMEDA	181	0	0	0	0	0	0	181	0	0	0	0	0
COL OF MARIN	169	0	0	0	0	0	0	127	0	0	42	0	0
COL OF NOTRE DAME	73	0	0	0	0	0	0	15	0	0	58	0	0
COL OF SAN MATEO	374	0	0	0	0	0	0	374	0	0	0	0	0
COL OF THE DESERT	59	0	0	0	0	0	0	59	0	0	0	0	0
COL OF THE HOLY NAMES	85	0	0	0	0	0	0	26	0	0	59	0	0
COL OF THE REDWOODS	76	0	0	0	0	0	0	76	0	0	0	0	0
COL OF THE SEQUOIAS	79	0	0	0	0	0	0	79	0	0	0	0	0
COL OF THE SISKIYOUS	44	0	0	0	0	0	0	44	0	0	0	0	0
COLLEGE OF THE CANYONS	19	0	0	0	0	0	0	19	0	0	0	0	0
COLUMBIA JR COL	60	0	0	0	0	0	0	60	0	0	0	0	0
COMPTON COL	309	0	0	0	0	0	0	309	0	0	0	0	0
CONSUMNES RIVER COL	41	0	0	0	0	0	0	41	0	0	0	0	0
CONTRA COSTA COL	404	0	0	0	0	0	0	377	0	0	27	0	0
CUESTA COL	390	0	0	0	0	0	0	390	0	0	0	0	0
CYPRESS JR COL	99	0	0	0	0	0	0	99	0	0	0	0	0
DE ANZA COLLEGE	193	0	0	0	0	0	0	166	0	0	27	0	0
DIABLO VALLEY COL	136	0	0	0	0	0	0	111	0	0	25	0	0
DOMINICAN COL SAN RAFAEL	9	0	0	0	0	0	0	9	0	0	0	0	0
DON BOSCO TECH INST & COL	32	0	0	0	0	0	0	32	0	0	0	0	0
DREW POST-GRAD MED SCHOOL	553	0	0	0	0	0	0	553	0	0	0	0	0
EAST LOS ANGELES COL	339	0	0	0	0	0	0	339	0	0	0	0	0
EL CAMINO COL	171	0	0	0	0	0	0	171	0	0	0	0	0
FEATHER RIVER COLLEGE	18	0	0	0	0	0	0	18	0	0	0	0	0
FOOTHILL COL	151	0	0	0	0	0	0	125	0	0	26	0	0
FREEMONT-NEWARK JR COL DS	351	0	0	0	0	0	0	351	0	0	0	0	0
FRESNO CITY COL	371	0	0	0	0	0	0	371	0	0	0	0	0

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER
CALIFORNIA													
FRESNO STATE COL	1,676	30	0	0	0	0	0	1,151	375	0	120	0	0
FULLERTON JR COL	92	0	0	0	0	0	0	92	0	0	0	0	0
GAVILAN COL	590	0	0	0	0	0	0	566	0	0	24	0	0
GLENDALE COL	82	0	0	0	0	0	0	82	0	0	0	0	0
GOLDEN GATE COL	118	0	0	0	0	0	0	92	0	0	26	0	0
GOLDEN WEST COL	83	0	0	0	0	0	0	83	0	0	0	0	0
GRADUATE THEOL UNION	10	0	0	0	0	0	0	10	0	0	0	0	0
GROSSMONT COL	243	0	0	0	0	0	0	243	0	0	0	0	0
HARTNELL COL	100	0	0	0	0	0	0	100	0	0	0	0	0
HARVEY MUDD COL	147	0	0	0	0	0	0	74	0	0	73	0	0
HUMBOLDT STATE COL	893	19	0	0	0	0	0	665	0	0	209	0	0
HUMPHREYS COL	34	0	0	0	0	0	0	34	0	0	0	0	0
IMMACULATE HEART COL	85	0	0	0	0	0	0	75	0	0	10	0	0
IMPERIAL VALLEY COL	113	0	0	0	0	0	0	113	0	0	0	0	0
JOHN F KENNEDY UNIVERSITY	224	0	0	0	0	0	0	224	0	0	0	0	0
LA VERNE COL	65	0	0	0	0	0	0	55	0	0	10	0	0
LANEY COL	436	0	0	0	0	0	0	396	0	0	40	0	0
LASSEN COL	33	0	0	0	0	0	0	33	0	0	0	0	0
LOMA LINDA UNIV	3,896	0	0	0	0	0	0	3,877	0	0	19	0	0
LONE MOUNTAIN COLLEGE	63	0	0	0	0	0	0	61	0	0	2	0	0
LONG BEACH CITY COL	111	0	0	0	0	0	0	111	0	0	0	0	0
LOS ANGELES BAPT COL&SEM	47	0	0	0	0	0	0	47	0	0	0	0	0
LOS ANGELES CITY COL	426	0	0	0	0	0	0	426	0	0	0	0	0
LOS ANGELES COL OF OPTOM	2,523	0	0	0	0	0	0	2,523	0	0	0	0	0
LOS ANGELES HARBOR COL	114	0	0	0	0	0	0	114	0	0	0	0	0
LOS ANGELES PIERCE COL	33	0	0	0	0	0	0	33	0	0	0	0	0
LOS ANGELES SOUTHWEST COL	88	0	0	0	0	0	0	88	0	0	0	0	0
LOS ANGELES TR-TECH COL	97	0	0	0	0	0	0	97	0	0	0	0	0
LOS ANGELES VALLEY COL	191	0	0	0	0	0	0	191	0	0	0	0	0
LOYOLA UNIV LOS ANGELES	334	0	0	0	0	0	0	334	0	0	0	0	0
MARYMOUNT COL	147	0	0	0	0	0	0	147	0	0	0	0	0
MENLO COL	28	0	0	0	0	0	0	6	0	0	22	0	0
MERCED COL	175	0	0	0	0	0	0	175	0	0	0	0	0
MERRITT COL	452	0	0	0	0	0	0	439	0	0	13	0	0
MILLS COL	262	0	0	0	0	0	0	227	0	0	35	0	0
MIRA COSTA COL	62	0	0	0	0	0	0	62	0	0	0	0	0
MODESTO JR COL	240	0	0	0	0	0	0	240	0	0	0	0	0
MONTEREY INST OF FOR STUD	26	0	0	0	0	0	0	26	0	0	0	0	0
MONTEREY PENINSULA COL	118	0	0	0	0	0	0	90	0	0	28	0	0
MOORPARK COLLEGE	153	0	0	0	0	0	0	153	0	0	0	0	0
MOUNT SAN ANTONIO COLLEGE	162	0	0	0	0	0	0	162	0	0	0	0	0
MT SAN JACINTO COL	23	0	0	0	0	0	0	13	0	0	10	0	0
MT ST MARYS COL	126	0	0	0	0	0	0	119	0	0	7	0	0
NAIROBI COLLEGE	660	0	0	0	0	0	0	660	0	0	0	0	0
NAPA COL	77	0	0	0	0	0	0	77	0	0	0	0	0
NORTHROP INST OF TECH	54	0	0	0	0	0	0	54	0	0	0	0	0
OCCIDENTAL COL	369	0	0	0	0	0	0	278	0	0	91	0	0
ONLONE COLLEGE	89	0	0	0	0	0	0	89	0	0	0	0	0
ORANGE COAST COL	80	0	0	0	0	0	0	80	0	0	0	0	0
OTIS ART INST LA CNTY	26	0	0	0	0	0	0	26	0	0	0	0	0
PACIFIC CHRISTIAN COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PACIFIC COL	173	0	0	0	0	0	0	171	0	0	2	0	0
PACIFIC OAKS COL	148	0	0	0	0	0	0	138	0	0	10	0	0
PACIFIC SCH OF RELIGION	133	0	0	0	0	0	0	133	0	0	0	0	0
PACIFIC UNION COL	198	0	0	0	0	0	0	176	0	0	22	0	0
PALO VERDE COL	16	0	0	0	0	0	0	16	0	0	0	0	0
PALOMAR COL	104	0	0	0	0	0	0	104	0	0	0	0	0
PASADENA CITY COL	2,192	0	0	0	0	0	0	2,192	0	0	0	0	0
PASADENA COL	182	0	0	0	0	0	0	182	0	0	0	0	0
PEPPERDINE COL	435	0	0	0	0	0	0	425	0	0	10	0	0
PERALTA JR COL CEN SYS	39	0	0	0	0	0	0	31	0	0	8	0	0
PITZER COL	91	0	0	0	0	0	0	91	0	0	0	0	0
POMONA COL	312	0	0	0	0	0	0	255	0	0	49	0	0
PORTERVILLE COL	53	0	0	0	0	0	0	53	0	0	0	0	0
REEDLEY COL	61	0	0	0	0	0	0	61	0	0	0	0	0
RIO HONDO JR COL	419	0	0	0	0	0	0	419	0	0	0	0	0
RIVERSIDE CITY COL	184	0	0	0	0	0	0	171	13	0	0	0	0
SACRAMENTO CITY COL	312	0	0	0	0	0	0	312	0	0	0	0	0
SACRAMENTO STATE COL	1,720	0	0	0	0	0	29	1,633	0	0	58	0	0
SAN BERNARDINO VALLEY COL	89	0	0	0	0	0	0	89	0	0	0	0	0
SAN DIEGO JR COL CEN SYS	177	0	0	0	0	0	0	167	0	0	10	0	0

SACRAMENTO STATE COL	1,720	0	0	0	0	0	29	1,633	0	0	58	0	0
SAN BERNARDINO VALLEY COL	89	0	0	0	0	0	0	89	0	0	0	0	0
SAN DIEGO JR COL CEN SYS	177	0	0	0	0	0	0	167	0	0	10	0	0
LONE MOUNTAIN COLLEGE	63	0	0	0	0	0	0	61	0	0	2	0	0
LONG BEACH CITY COL	111	0	0	0	0	0	0	111	0	0	0	0	0
LOS ANGELES BAPT COL&SEM	47	0	0	0	0	0	0	47	0	0	0	0	0
LOS ANGELES CITY COL	426	0	0	0	0	0	0	426	0	0	0	0	0
LOS ANGELES COL OF OPTOM	2,523	0	0	0	0	0	0	2,523	0	0	0	0	0
LOS ANGELES HARBOR COL	114	0	0	0	0	0	0	114	0	0	0	0	0
LOS ANGELES PIERCE COL	33	0	0	0	0	0	0	33	0	0	0	0	0
LOS ANGELES SOUTHWEST COL	88	0	0	0	0	0	0	88	0	0	0	0	0
LOS ANGELES TR-TECH COL	97	0	0	0	0	0	0	97	0	0	0	0	0
LOS ANGELES VALLEY COL	191	0	0	0	0	0	0	191	0	0	0	0	0
LOYOLA UNIV LOS ANGELES	334	0	0	0	0	0	0	334	0	0	0	0	0
MARYMOUNT COL	147	0	0	0	0	0	0	147	0	0	0	0	0
MENLO COL	28	0	0	0	0	0	0	6	0	0	22	0	0
MERCED COL	175	0	0	0	0	0	0	175	0	0	0	0	0
MERRITT COL	452	0	0	0	0	0	0	439	0	0	13	0	0
MILLS COL	262	0	0	0	0	0	0	227	0	0	35	0	0
MIRA COSTA COL	62	0	0	0	0	0	0	62	0	0	0	0	0
MODESTO JR COL	240	0	0	0	0	0	0	240	0	0	0	0	0
MONTEREY INST OF FOR STUD	26	0	0	0	0	0	0	26	0	0	0	0	0
MONTEREY PENINSULA COL	118	0	0	0	0	0	0	90	0	0	28	0	0
MOORPARK COLLEGE	153	0	0	0	0	0	0	153	0	0	0	0	0
MOUNT SAN ANTONIO COLLEGE	162	0	0	0	0	0	0	162	0	0	0	0	0
MT SAN JACINTO COL	23	0	0	0	0	0	0	13	0	0	10	0	0
MT ST MARYS COL	126	0	0	0	0	0	0	119	0	0	7	0	0
NAIROBI COLLEGE	660	0	0	0	0	0	0	660	0	0	0	0	0
NAPA COL	77	0	0	0	0	0	0	77	0	0	0	0	0
NORTHROP INST OF TECH	54	0	0	0	0	0	0	54	0	0	0	0	0
OCCIDENTAL COL	369	0	0	0	0	0	0	278	0	0	91	0	0
OHLONE COLLEGE	89	0	0	0	0	0	0	89	0	0	0	0	0
ORANGE COAST COL	80	0	0	0	0	0	0	80	0	0	0	0	0
OTIS ART INST LA CNTY	26	0	0	0	0	0	0	26	0	0	0	0	0
PACIFIC CHRISTIAN COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PACIFIC COL	173	0	0	0	0	0	0	171	0	0	2	0	0
PACIFIC OAKS COL	148	0	0	0	0	0	0	138	0	0	10	0	0
PACIFIC SCH OF RELIGION	133	0	0	0	0	0	0	133	0	0	0	0	0
PACIFIC UNION COL	198	0	0	0	0	0	0	176	0	0	22	0	0
PALO VERDE COL	16	0	0	0	0	0	0	16	0	0	0	0	0
PALOMAR COL	104	0	0	0	0	0	0	104	0	0	0	0	0
PASADENA CITY COL	2,192	0	0	0	0	0	0	2,192	0	0	0	0	0
PASADENA COL	182	0	0	0	0	0	0	182	0	0	0	0	0
PEPPERDINE COL	435	0	0	0	0	0	0	425	0	0	10	0	0
PERALTA JR COL CEN SYS	39	0	0	0	0	0	0	31	0	0	8	0	0
PITZER COL	91	0	0	0	0	0	0	91	0	0	0	0	0
POMONA COL	312	0	0	0	8	0	0	255	0	0	49	0	0
PORTERVILLE COL	53	0	0	0	0	0	0	53	0	0	0	0	0
REEDLEY COL	61	0	0	0	0	0	0	61	0	0	0	0	0
RIO HONDO JR COL	419	0	0	0	0	0	0	419	0	0	0	0	0
RIVERSIDE CITY COL	184	0	0	0	0	0	0	171	13	0	0	0	0
SACRAMENTO CITY COL	312	0	0	0	0	0	0	312	0	0	0	0	0
SACRAMENTO STATE COL	1,720	0	0	0	0	0	29	1,633	0	0	58	0	0
SAN BERNARDINO VALLEY COL	89	0	0	0	0	0	0	89	0	0	0	0	0
SAN DIEGO JR COL CEN SYS	177	0	0	0	0	0	0	167	0	0	10	0	0
SAN DIEGO MESA COL	100	0	0	0	0	0	0	100	0	0	0	0	0
SAN DIEGO STATE COL	4,534	0	35	0	872	261	0	2,397	0	0	969	0	0
SAN FERNANDO VLY ST COL	2,373	0	0	0	0	0	0	2,363	0	0	10	0	0
SAN FRANCISCO ART INST	9	0	0	0	0	0	0	9	0	0	0	0	0
SAN FRANCISCO CONSV MUSIC	26	0	0	0	0	0	0	26	0	0	0	0	0
SAN FRANCISCO STATE COL	2,981	0	0	0	0	0	0	2,869	0	0	112	0	0
SAN JOAQUIN DELTA COL	841	0	0	0	0	0	0	841	0	0	0	0	0
SAN JOSE BIBLE COL	13	0	0	0	0	0	0	13	0	0	0	0	0
SAN JOSE CITY COL	238	0	0	0	0	0	0	213	0	0	25	0	0
SAN JOSE STATE COL	3,695	0	17	0	100	0	37	2,998	0	107	436	0	0
SANTA ANA COL	123	0	0	0	0	0	0	123	0	0	0	0	0
SANTA BARBARA CITY COL	419	0	0	0	0	0	0	325	0	0	94	0	0
SANTA MONICA COLLEGE	53	0	0	0	0	0	0	53	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DED	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
CALIFORNIA													
SANTA ROSA JR COL	105	0	0	0	0	0	0	105	0	0	0	0	0
SCRIPPS COL	50	0	0	0	0	0	0	50	0	0	0	0	0
SHASTA COL	84	0	0	0	0	0	0	84	0	0	0	0	0
SIERRA COL	62	0	0	0	0	0	0	62	0	0	0	0	0
SIMPSON BIBLE COL	27	0	0	0	0	0	0	27	0	0	0	0	0
SKYLINE COLLEGE	63	0	0	0	0	0	0	63	0	0	0	0	0
SOLANO COL	121	0	0	0	0	0	0	121	0	0	0	0	0
SONOMA STATE COL	407	0	0	0	0	0	0	276	0	0	131	0	0
SOUTHERN CAL COL	73	0	0	0	0	0	0	71	0	0	2	0	0
SOUTHERN CAL SCH THEOLOGY	13	0	0	0	0	0	0	13	0	0	0	0	0
SOUTHWESTERN COL	78	0	0	0	0	0	0	78	0	0	0	0	0
SOUTHWESTERN UNIV	1	0	0	0	0	0	0	1	0	0	0	0	0
ST MARYS COL CALIFORNIA	45	0	0	0	0	0	0	43	0	0	2	0	0
STANFORD UNIV	54,648	0	623	21	9,803	0	413	27,133	66	4,674	10,843	120	952
STANISLAUS STATE COL	206	0	0	0	19	0	0	176	0	0	11	0	0
TAFT COL	8	0	0	0	0	0	0	8	0	0	0	0	0
U S INTERNATIONAL UNIV	977	0	0	0	0	0	0	937	0	0	40	0	0
UNIV OF CAL BERKELEY	52,279	5,932	586	57	4,714	1,524	608	21,681	440	7,360	9,082	210	85
UNIV OF CAL DAVIS	18,141	929	2,338	0	269	498	204	11,529	11	290	2,073	0	0
UNIV OF CAL IRVINE	9,095	0	640	15	3,331	0	0	4,017	0	0	1,092	0	0
UNIV OF CAL LOS ANGELES	54,030	85	4,928	0	4,228	292	548	35,719	304	2,667	4,575	599	85
UNIV OF CAL RIVERSIDE	4,847	471	318	0	78	15	604	2,550	0	139	672	0	0
UNIV OF CAL SAN DIEGO	49,650	0	2,112	50	10,639	1,154	203	14,225	0	3,961	17,271	35	0
UNIV OF CAL SANTA CRUZ	1,962	0	120	0	49	387	0	464	0	70	872	0	0
UNIV OF CAL CENTRAL SYS	473	0	0	0	0	0	164	269	0	0	40	0	0
UNIV OF CAL SAN FRANCISCO	26,906	0	818	0	320	0	9	25,363	0	106	290	0	0
UNIV OF CAL SANTA BARBARA	6,343	0	97	33	1,006	0	30	2,886	0	59	2,232	0	0
UNIV OF REDLANDS	259	0	0	0	0	0	0	200	0	0	59	0	0
UNIV OF SAN FRANCISCO	836	0	0	0	69	0	0	602	43	64	58	0	0
UNIV OF SANTA CLARA	521	0	1	0	21	0	0	166	0	125	208	0	0
UNIV OF SOUTHERN CAL	30,733	87	391	0	2,828	2,294	480	21,194	11	884	2,157	225	180
UNIV OF THE PACIFIC	2,548	0	0	0	26	250	0	2,171	0	0	101	0	0
UNIV S D COORDINATE COLL	225	0	0	0	0	0	0	167	0	0	58	0	0
VENTURA COL	107	0	0	0	0	0	0	107	0	0	0	0	0
VICTOR VALLEY COL	62	0	0	0	0	0	0	62	0	0	0	0	0
WEST COAST UNIV	56	0	0	0	0	0	0	56	0	0	0	0	0
WEST HILLS COLLEGE	21	0	0	0	0	0	0	21	0	0	0	0	0
WEST LOS ANGELES COLLEGE	41	0	0	0	0	0	0	41	0	0	0	0	0
WEST VALLEY COL	514	0	0	0	0		0	489	0	0	25	0	0
WESTMONT COL	59	0	0	0	0	0	0	59	0	0	0	0	0
WHITTIER COL	157	0	0	0	0	0	0	114	0	0	43	0	0
YUBA COL	99	0	0	0	0	0	0	99	0	0	0	0	0
COLORADO, TOTAL	59,997	2,693	990	922	4,258	428	958	34,681	1,931	2,771	10,090	55	620
ADAMS STATE COL	291	0	0	0	0	0	0	291	0	0	0	0	0
AIMS COL	94	0	0	0	0	0	0	86	0	0	8	0	0
ARAPAHOE COMMUNITY COLL	563	0	0	0	0	0	0	531	0	0	32	0	0
COLORADO COL	128	0	0	0	0	0	0	97	0	0	31	0	0
COLORADO MOUNTAIN COL	227	0	0	0	0	0	0	98	129	0	0	0	0
COLORADO SCH OF MINES	906	0	0	240	114	0	0	54	216	170	112	0	0
COLORADO STATE UNIV	15,155	2,520	239	112	827	0	861	4,860	909	471	3,739	0	617
COMMUNITY COLLEGE DENVER	426	0	0	0	0	0	0	331	0	0	95	0	0
EL PASO COMMUNITY COLLEGE	40	0	0	0	0	0	0	40	0	0	0	0	0
FORT LEWIS COL	421	0	0	0	0	0	0	393	0	0	28	0	0
ILIFF SCHOOL OF THEOLOGY	5	0	0	0	0	0	0	5	0	0	0	0	0
LAMAR COMMUNITY COLLEGE	56	0	0	0	0	0	0	23	0	0	33	0	0
LORETTO HEIGHTS COL	171	0	0	0	0	0	0	115	0	0	56	0	0
MESA COL	96	0	0	0	0	0	0	63	0	0	33	0	0
METROPOLITAN STATE COL	374	0	0	0	0	0	0	374	0	0	0	0	0
NORTHEASTERN JR COL	151	0	0	0	0	0	0	118	0	0	33	0	0
OTERO JR COL	221	0	0	0	0	0	0	188	0	0	33	0	0
RANGELY COL	22	0	0	0	0	0	0	22	0	0	0	0	0
REGIS COL	54	0	0	0	0	0	0	54	0	0	0	0	0
SOUTHERN COLORADO ST COL	741	0	0	0	0	219	0	522	0	0	0	0	0
TEMPLE BUELL COL	197	0	0	0	0	0	0	143	0	0	54	0	0
TRINIDAD STATE JR COL	307	0	0	0	0	0	0	274	0	0	33	0	0
UNIV OF COLORADO	32,720	75	751	570	1,341	209	97	23,244	122	1,866	4,387	55	3
UNIV OF DENVER	5,387	98	0	0	1,976	0	0	1,770	150	264	1,129	0	0
UNIV OF NORTHERN COLORADO	1,208	0	0	0	0	0	0	949	5	0	254	0	0
WESTERN ST COL COLORADO	[illegible]	0	0	0	0	0	0	[illegible]	0	0	[illegible]	0	0

UNIV OF CAL DAVIS	18,141	929	2,338	0	269	498	204	11,529	11	290	2,073	0	0
UNIV OF CAL IRVINE	9,095	0	640	15	3,331	0	0	4,017	0	0	1,092	0	0
UNIV OF CAL LOS ANGELES	54,030	85	4,929	0	4,228	292	548	35,719	304	2,667	4,575	599	85
UNIV OF CAL RIVERSIDE	4,847	471	318	0	78	15	604	2,550	0	139	672	0	0
UNIV OF CAL SAN DIEGO	49,650	0	2,112	50	10,639	1,154	203	14,225	0	3,961	17,271	35	0
UNIV OF CAL SANTA CRUZ	1,962	0	120	0	49	387	0	464	0	70	872	0	0
UNIV OF CAL CENTRAL SYS	473	0	0	0	0	0	164	269	0	0	40	0	0
UNIV OF CAL SAN FRANCISCO	26,906	0	818	0	320	0	9	25,363	0	106	290	0	0
UNIV OF CAL SANTA BARBARA	6,343	0	97	33	1,006	0	30	2,886	0	59	2,232	0	0
UNIV OF REDLANDS	259	0	0	0	0	0	0	200	0	0	59	0	0
UNIV OF SAN FRANCISCO	836	0	0	0	69	0	0	602	43	64	58	0	0
UNIV OF SANTA CLARA	521	0	1	0	21	0	0	166	0	125	208	0	0
UNIV OF SOUTHERN CAL	30,733	87	391	0	2,828	2,294	480	21,195	11	884	2,157	225	180
UNIV OF THE PACIFIC	2,548	0	0	0	26	250	0	2,171	0	0	101	0	0
UNIV S D COORDINATE COLL	225	0	0	0	0	0	0	167	0	0	58	0	0
VENTURA COL	107	0	0	0	0	0	0	107	0	0	0	0	0
VICTOR VALLEY COL	62	0	0	0	0	0	0	62	0	0	0	0	0
WEST COAST UNIV	56	0	0	0	0	0	0	56	0	0	0	0	0
WEST HILLS COLLEGE	21	0	0	0	0	0	0	21	0	0	0	0	0
WEST LOS ANGELES COLLEGE	41	0	0	0	0	0	0	41	0	0	0	0	0
WEST VALLEY COL	514	0	0	0	0	0	0	489	0	0	25	0	0
WESTMONT COL	59	0	0	0	0	0	0	59	0	0	0	0	0
WHITTIER COL	157	0	0	0	0	0	0	114	0	0	43	0	0
YUBA COL	99	0	0	0	0	0	0	99	0	0	0	0	0
COLORADO, TOTAL	59,997	2,693	990	922	4,258	428	958	34,681	1,931	2,771	10,090	55	620
ADAMS STATE COL	291	0	0	0	0	0	0	291	0	0	0	0	0
AIMS COL	94	0	0	0	0	0	0	86	0	0	8	0	0
ARAPAHOE COMMUNITY COLL	563	0	0	0	0	0	0	531	0	0	32	0	0
COLORADO COL	128	0	0	0	0	0	0	97	0	0	31	0	0
COLORADO MOUNTAIN COL	227	0	0	0	0	0	0	98	129	0	0	0	0
COLORADO SCH OF MINES	906	0	0	242	114	0	0	54	216	170	112	0	0
COLORADO STATE UNIV	15,155	2,520	239	112	827	0	861	4,860	909	471	3,739	0	617
COMMUNITY COLLEGE DENVER	426	0	0	0	0	0	0	331	0	0	95	0	0
EL PASO COMMUNITY COLLEGE	40	0	0	0	0	0	0	40	0	0	0	0	0
FORT LEWIS COL	421	0	0	0	0	0	0	393	0	0	28	0	0
ILIFF SCHOOL OF THEOLOGY	5	0	0	0	0	0	0	5	0	0	0	0	0
LAMAR COMMUNITY COLLEGE	56	0	0	0	0	0	0	23	0	0	33	0	0
LORETTO HEIGHTS COL	171	0	0	0	0	0	0	115	0	0	56	0	0
MESA COL	96	0	0	0	0	0	0	63	0	0	33	0	0
METROPOLITAN STATE COL	374	0	0	0	0	0	0	374	0	0	0	0	0
NORTHEASTERN JR COL	151	0	0	0	0	0	0	118	0	0	33	0	0
OTERO JR COL	221	0	0	0	0	0	0	188	0	0	33	0	0
RANGELY COL	22	0	0	0	0	0	0	22	0	0	0	0	0
REGIS COL	54	0	0	0	0	0	0	54	0	0	0	0	0
SOUTHERN COLORADO ST COL	741	0	0	0	0	219	0	522	0	0	0	0	0
TEMPLE BUELL COL	197	0	0	0	0	0	0	143	0	0	54	0	0
TRINIDAD STATE JR COL	307	0	0	0	0	0	0	274	0	0	33	0	0
UNIV OF COLORADO	32,720	75	751	570	1,341	209	97	23,244	122	1,866	4,387	55	3
UNIV OF DENVER	5,387	98	0	0	1,976	0	0	1,770	150	264	1,129	0	0
UNIV OF NORTHERN COLORADO	1,208	0	0	0	0	0	0	949	5	0	254	0	0
WESTERN ST COL COLORADO	36	0	0	0	0	0	0	36	0	0	0	0	0
CONNECTICUT, TOTAL	57,182	1,367	3,130	15	2,219	0	97	40,514	217	957	8,472	0	194
ALBERTUS MAGNUS COL	14	0	0	0	0	0	0	44	0	0	0	0	0
ANNHURST COL	8	0	0	0	0	0	0	8	0	0	0	0	0
CENTRAL CONN ST COL	279	0	0	0	0	0	0	205	0	0	74	0	0
CONNECTICUT COL	277	0	0	0	49	0	0	207	0	0	21	0	0
EASTERN CONN STATE COL	123	0	0	0	0	0	0	123	0	0	0	0	0
FAIRFIELD UNIV	383	0	0	0	0	0	0	325	0	10	48	0	0
GREATER HARTFORD COMM COL	15	0	0	0	0	0	0	15	0	0	0	0	0
HARTFORD COL FOR WOMEN	23	0	0	0	0	0	0	23	0	0	0	0	0
HARTFORD STATE TECH COL	23	0	0	0	0	0	0	23	0	0	0	0	0
HOUSATONIC REG COMM COL	47	0	0	0	0	0	0	47	0	0	0	0	0
MANCHESTER COMM COL	500	0	0	0	0	0	0	500	0	0	0	0	0
MATTATUCK COMMUNITY COL	61	0	0	0	0	0	0	61	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
CONNECTICUT													
MIDDLESEX COMM COL	98	0	0	0	0	0	0	98	0	0	0	0	0
MITCHELL COL	19	0	0	0	0	0	0	19	0	0	0	0	0
MORSE OF HARTFORD	5	0	0	0	0	0	0	5	0	0	0	0	0
NEW ENGLAND INST	82	0	41	0	30	0	0	0	0	0	11	0	0
NORTHWESTN CONN COMM COL	17	0	0	0	0	0	0	17	0	0	0	0	0
NORWALK COMM COL	47	0	0	0	0	0	0	47	0	0	0	0	0
NORWALK STATE TECH COL	14	0	0	0	0	0	0	14	0	0	0	0	0
POST JR COL	44	0	0	0	0	0	0	44	0	0	0	0	0
QUINNIPIAC COL	344	0	0	0	0	0	0	344	0	0	0	0	0
SACRED HEART UNIV	36	0	0	0	0	0	0	36	0	0	0	0	0
SILVERMINE COL OF ART	13	0	0	0	0	0	0	13	0	0	0	0	0
SOUTH CENTRAL COMM COL	135	0	0	0	0	0	0	135	0	0	0	0	0
SOUTHERN CONN STATE COL	542	0	0	0	0	0	0	496	0	0	46	0	0
ST JOSEPH COL	396	0	0	0	0	0	0	358	0	6	32	0	0
THAMES VALLEY ST TECH COL	33	0	0	0	0	0	0	33	0	0	0	0	0
TRINITY COL	271	0	0	0	0	0	0	89	0	0	182	0	0
TUNXIS COMMUNITY COLLEGE	37	0	0	0	0	0	0	37	0	0	0	0	0
UNIV OF BRIDGEPORT	580	0	0	0	0	0	0	568	0	0	12	0	0
UNIV OF CONNECTICUT	11,585	1,351	115	0	694	0	83	7,863	146	285	1,048	0	0
UNIV OF HARTFORD	1,134	0	0	0	0	0	0	1,134	0	0	0	0	0
UNIV OF NEW HAVEN	241	0	0	0	0	0	0	239	0	0	2	0	0
WATERBURY STATE TECH COL	12	0	0	0	0	0	0	12	0	0	0	0	0
WESLEYAN UNIV	1,251	0	0	15	59	0	0	650	0	126	401	0	0
WESTERN CONN STATE COL	63	0	0	0	0	0	0	62	0	0	1	0	0
YALE UNIV	38,400	16	2,974	0	1,387	0	14	26,620	71	530	6,594	0	194
DELAWARE, TOTAL	5,570	1,090	19	0	577	0	32	2,204	255	51	1,342	0	0
BRANDYWINE COLLEGE	88	0	0	0	0	0	0	88	0	0	0	0	0
DELAWARE STATE COL	741	27	0	0	0	0	15	623	0	0	76	0	0
DELAWARE TECH & COMM COL	186	0	0	0	0	0	0	186	0	0	0	0	0
GOLDEY BEACON JR COL	32	0	0	0	0	0	0	32	0	0	0	0	0
UNIV OF DELAWARE	4,386	1,063	19	0	577	0	17	1,138	255	51	1,266	0	0
WESLEY COL	124	0	0	0	0	0	0	124	0	0	0	0	0
WILMINGTON COLLEGE	13	0	0	0	0	0	0	13	0	0	0	0	0
DIST. OF COLUMBIA, TOTAL	98,447	679	217	220	4,164	6,420	217	82,359	35	1,437	2,263	279	157
AMERICAN UNIVERSITY	2,848	0	18	0	1,365	0	0	868	0	67	334	196	0
CATHOLIC UNIV OF AMERICA	4,634	0	51	10	806	772	13	2,201	0	65	688	28	0
DIST OF COL TCHRS COL	439	0	0	0	0	0	0	410	0	2	27	0	0
DUMBARTON COL HOLY CROSS	6	0	0	0	0	0	0	6	0	0	0	0	0
FEDERAL CITY COL	2,603	672	0	0	0	0	0	1,743	0	90	98	0	0
GALLAUDET COL	9,504	0	0	0	0	0	0	9,493	0	0	11	0	0
GEORGE WASHINGTON UNIV	12,698	0	20	30	1,585	553	136	8,811	35	977	406	0	145
GEORGETOWN UNIV	13,476	0	39	0	408	0	35	12,322	0	66	587	19	0
HOWARD UNIV	51,543	7	89	180	0	5,095	33	45,863	0	170	94	0	12
IMMACULATA COL OF WASH	4	0	0	0	0	0	0	4	0	0	0	0	0
MOUNT VERNON COLLEGE	11	0	0	0	0	0	0	11	0	0	0	0	0
OBLATE COL	13	0	0	0	0	0	0	13	0	0	0	0	0
TRINITY COL	103	0	0	0	0	0	0	103	0	0	0	0	0
WASHINGTON TECHNICAL INST	565	0	0	0	0	0	0	511	0	0	18	36	0
FLORIDA, TOTAL	72,962	4,508	1,759	201	4,629	507	814	47,638	184	1,196	9,373	881	1,272
BARRY COL	192	0	0	0	0	0	0	192	0	0	0	0	0
BETHUNE-COOKMAN COL	666	0	0	0	0	0	0	666	0	0	0	0	0
BISCAYNE COL	49	0	0	0	0	0	0	49	0	0	0	0	0
BREVARD JR COL	178	0	0	0	0	0	0	178	0	0	0	0	0
BROWARD JUNIOR COLLEGE	276	0	0	0	0	0	0	276	0	0	0	0	0
CENTRAL FLORIDA JR COL	383	0	0	0	0	0	18	365	0	0	0	0	0
CHIPOLA JR COL	112	0	0	0	0	0	0	110	0	0	2	0	0
DAYTONA BEACH JR COL	114	0	0	0	0	0	0	114	0	0	0	0	0
EDISON JR COL	42	0	0	0	0	0	0	42	0	0	0	0	0
EDWARD WATERS COL	440	0	0	0	0	0	0	440	0	0	0	0	0
EMBRY-RIDDLE AERO UNIV	108	0	0	0	0	0	0	108	0	0	0	0	0
FLA INTERNATIONAL UNIV	6	0	0	0	0	0	0	6	0	0	0	0	0
FLORIDA AGR & MECH UNIV	1,305	28	0	0	0	0	0	1,218	0	0	59	0	0
FLORIDA ATLANTIC UNIV	600	0	0	0	51	0	31	411	0	0	107	0	0
FLORIDA INST OF TECH	276	0	0	0	47	0	0	145	0	17	67	0	0
FLORIDA JR COL	176	0	0	0	0	0	0	176	0	0	0	0	0
FLORIDA KEYS JR COL	198	0	0	0	0	0	0	198	0	0	0	0	0
FLORIDA MEMORIAL COL	1,033	0	0	0	0	245	0	788	0	0	0	0	0

FLORIDA ATLANTIC UNIV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FLORIDA INST OF TECH	276	0	0	0	47	0	0	145	0	17	67	0	0
FLORIDA JR COL	176	0	0	0	0	0	0	176	0	0	0	0	0
FLORIDA KEYS JR COL	198	0	0	0	0	0	0	198	0	0	0	0	0
FLORIDA MEMORIAL COL	1,033	0	0	0	0	245	0	788	0	0	0	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
UNIV OF HARTFORD	[illegible]	0	0	0	[illegible]	0	0	[illegible]	0	0	0	0	0
UNIV OF NEW HAVEN	241	0	0	0	0	0	0	239	0	0	2	0	0
WATERBURY STATE TECH COL	12	0	0	0	0	0	0	12	0	0	0	0	0
WESLEYAN UNIV	1,251	0	0	15	59	0	0	650	0	126	401	0	0
WESTERN CONN STATE COL	63	0	0	0	0	0	0	62	0	0	1	0	0
YALE UNIV	38,400	16	2,974	0	1,387	0	14	26,620	71	530	6,594	0	194
DELAWARE, TOTAL	5,570	1,090	19	0	577	0	32	2,204	255	51	1,342	0	0
BRANDYWINE COLLEGE	88	0	0	0	0	0	0	88	0	0	0	0	0
DELAWARE STATE COL	741	27	0	0	0	0	15	623	0	0	76	0	0
DELAWARE TECH & COMM COL	186	0	0	0	0	0	0	186	0	0	0	0	0
GOLDEY BEACON JR COL	32	0	0	0	0	0	0	32	0	0	0	0	0
UNIV OF DELAWARE	4,386	1,063	19	0	577	0	17	1,138	255	51	1,266	0	0
WESLEY COL	124	0	0	0	0	0	0	124	0	0	0	0	0
WILMINGTON COLLEGE	13	0	0	0	0	0	0	13	0	0	0	0	0
DIST. OF COLUMBIA, TOTAL	98,447	679	217	220	4,164	6,420	217	82,359	35	1,437	2,263	279	157
AMERICAN UNIVERSITY	2,848	0	18	0	1,365	0	0	868	0	67	334	196	0
CATHOLIC UNIV OF AMERICA	4,634	0	51	10	806	772	13	2,201	0	65	688	28	0
DIST OF COL TCHRS COL	439	0	0	0	0	0	0	410	0	2	27	0	0
DUNBARTON COL HOLY CROSS	6	0	0	0	0	0	0	6	0	0	0	0	0
FEDERAL CITY COL	2,603	672	0	0	0	0	0	1,743	0	90	98	0	0
GALLAUDET COL	9,504	0	0	0	0	0	0	9,493	0	0	11	0	0
GEORGE WASHINGTON UNIV	12,698	0	20	30	1,585	553	136	8,811	35	977	406	0	145
GEORGETOWN UNIV	13,476	0	39	0	408	0	35	12,322	0	66	587	19	0
HOWARD UNIV	51,543	7	89	180	0	5,095	33	45,863	0	170	94	0	12
IMMACULATA COL OF WASH	4	0	0	0	0	0	0	4	0	0	0	0	0
MOUNT VERNON COLLEGE	11	0	0	0	0	0	0	11	0	0	0	0	0
OBLATE COL	13	0	0	0	0	0	0	13	0	0	0	0	0
TRINITY COL	103	0	0	0	0	0	0	103	0	0	0	0	0
WASHINGTON TECHNICAL INST	565	0	0	0	0	0	0	511	0	0	18	36	0
FLORIDA, TOTAL	72,962	4,508	1,759	201	4,629	507	814	47,638	184	1,196	9,373	881	1,272
BARRY COL	192	0	0	0	0	0	0	192	0	0	0	0	0
BETHUNE-COOKMAN COL	666	0	0	0	0	0	0	666	0	0	0	0	0
BISCAYNE COL	49	0	0	0	0	0	0	49	0	0	0	0	0
BREVARD JR COL	178	0	0	0	0	0	0	178	0	0	0	0	0
BROWARD JUNIOR COLLEGE	276	0	0	0	0	0	0	276	0	0	0	0	0
CENTRAL FLORIDA JR COL	383	0	0	0	0	0	18	365	0	0	0	0	0
CHIPOLA JR COL	112	0	0	0	0	0	0	110	0	0	2	0	0
DAYTONA BEACH JR COL	114	0	0	0	0	0	0	114	0	0	0	0	0
EDISON JR COL	42	0	0	0	0	0	0	42	0	0	0	0	0
EDWARD WATERS COL	440	0	0	0	0	0	0	440	0	0	0	0	0
EMBRY-RIDDLE AERO UNIV	108	0	0	0	0	0	0	108	0	0	0	0	0
FLA INTERNATIONAL UNIV	6	0	0	0	0	0	0	6	0	0	0	0	0
FLORIDA AGR & MECH UNIV	1,305	28	0	0	0	0	0	1,218	0	0	59	0	0
FLORIDA ATLANTIC UNIV	600	0	0	0	51	0	31	411	0	0	107	0	0
FLORIDA INST OF TECH	276	0	0	0	47	0	0	145	0	17	67	0	0
FLORIDA JR COL	176	0	0	0	0	0	0	176	0	0	0	0	0
FLORIDA KEYS JR COL	198	0	0	0	0	0	0	198	0	0	0	0	0
FLORIDA MEMORIAL COL	1,033	0	0	0	0	245	0	788	0	0	0	0	0
FLORIDA PRESBYTERIAN COL	287	0	0	0	0	0	0	242	0	0	45	0	0
FLORIDA SOUTHERN COL	120	0	0	0	0	0	0	120	0	0	0	0	0
FLORIDA STATE UNIV	9,629	0	1,05[illegible]	34	838	0	58	3,777	0	100	2,462	183	1,122
FLORIDA TECHNOLOGICL UNIV	660	0	0	0	60	0	0	485	0	21	94	0	0
FORT LAUDERDALE UNIV	22	0	0	0	0	0	0	22	0	0	0	0	0
GULF COAST JR COL	44	0	0	0	0	0	0	44	0	0	0	0	0
HILLSBOROUGH JR COLLEGE	1,082	0	0	0	0	0	0	1,082	0	0	0	0	0
INDIAN RIVER JR COL	101	0	0	0	0	0	0	101	0	0	0	0	0
JACKSONVILLE UNIV	138	0	0	0	0	0	0	127	0	0	11	0	0
JONES COL	154	0	0	0	0	0	0	154	0	0	0	0	0
LAKE CITY COMMUNITY COLL	255	0	0	0	0	0	0	255	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
FLORIDA													
LAKE-SUMTER COMMUNITY COL	21	0	0	0	0	0	0	19	0	0	2	0	0
MANATEE JR COL	73	0	0	0	0	0	0	73	0	0	0	0	0
MARYMOUNT COL	27	0	0	0	0	0	0	27	0	0	0	0	0
MIAMI-DADE JR COL	1,319	0	0	0	0	0	0	1,288	0	0	31	0	0
NEW COL	73	0	0	0	0	0	0	52	0	0	21	0	0
NORTH FLORIDA JR COL	109	0	0	0	0	0	0	109	0	0	0	0	0
NOVA UNIV	877	11	0	0	100	0	0	220	0	4	542	0	0
OKALOOSA-WALTON JR COL	26	0	0	0	0	0	0	26	0	0	0	0	0
PALM BEACH ATLANTIC COLL	30	0	0	0	0	0	0	30	0	0	0	0	0
PALM BEACH JR COL	46	0	0	0	0	0	0	44	0	0	2	0	0
PENSACOLA JR COL	95	0	0	0	0	0	0	93	0	0	2	0	0
POLK JR COL	17	0	0	0	0	0	0	17	0	0	0	0	0
ROLLINS COL	58	0	0	0	0	0	0	58	0	0	0	0	0
SANTA FE JR COL	257	0	0	0	0	0	17	240	0	0	0	0	0
SEMINOLE JR COL	62	0	0	0	0	0	0	62	0	0	0	0	0
SOUTH FLORIDA JR COL	14	0	0	0	0	0	0	14	0	0	0	0	0
SOUTH-EASTERN BIBLE COL	157	0	0	0	0	0	0	157	0	0	0	0	0
ST JOHNS RIVER JR COL	66	0	0	0	0	0	0	66	0	0	0	0	0
ST JOSEPH COL OF FLORIDA	28	0	0	0	0	0	0	28	0	0	0	0	0
ST LEO COL	21	0	0	0	0	0	0	21	0	0	0	0	0
ST PETERSBURG JR COL	364	0	0	0	0	0	0	362	0	0	2	0	0
ST UNIV SYS OF FLA	163	0	0	0	0	0	0	136	0	0	27	0	0
STETSON UNIV	303	0	0	0	0	0	0	287	0	0	16	0	0
TALLAHASSEE COMMUNITY COL	91	0	0	0	0	0	0	91	0	0	0	0	0
UNIV OF FLORIDA	23,357	4,469	384	0	998	0	633	14,066	179	562	1,916	0	150
UNIV OF MIAMI	22,848	0	320	127	2,500	262	57	14,911	0	435	3,538	698	0
UNIV OF SOUTH FLORIDA	3,093	0	0	40	35	0	0	2,580	5	19	414	0	0
UNIV OF TAMPA	50	0	0	0	0	0	0	50	0	0	0	0	0
UNIV OF WEST FLORIDA	335	0	0	0	0	0	0	284	0	38	13	0	0
VALENCIA COMMUNITY COLL	336	0	0	0	0	0	0	336	0	0	0	0	0
GEORGIA, TOTAL	57,734	7,019	1,019	411	3,549	131	595	37,675	459	880	5,015	743	238
ABRAHAM BALDWIN AGR COL	283	0	0	0	0	0	0	283	0	0	0	0	0
ALBANY JR COL	85	0	0	0	0	0	0	85	0	0	0	0	0
ALBANY STATE COL	1,032	0	0	0	0	0	0	1,032	0	0	0	0	0
ANDREW COL	12	0	0	0	0	0	0	12	0	0	0	0	0
ARMSTRONG STATE COL	244	0	0	0	0	0	0	244	0	0	0	0	0
ATLANTA BAPTIST COLLEGE	33	0	0	0	0	0	0	33	0	0	0	0	0
ATLANTA SCH OF ART	29	0	0	0	0	0	0	29	0	0	0	0	0
ATLANTA UNIV	2,170	0	0	0	0	131	0	1,723	0	0	128	150	38
ATLANTA UNIVERSITY CENTER	186	0	0	0	0	0	0	0	0	0	186	0	0
AUGUSTA COL	101	0	0	0	0	0	0	101	0	0	0	0	0
BERRY COL	207	0	0	0	0	0	0	207	0	0	0	0	0
BREWTON-PARKER COL	92	0	0	0	0	0	0	92	0	0	0	0	0
BRUNSWICK JR COL	336	0	0	0	0	0	0	336	0	0	0	0	0
CLARK COL	1,438	0	0	0	0	0	0	1,397	0	0	41	0	0
CLAYTON JUNIOR COLLEGE	94	0	0	0	0	0	0	94	0	0	0	0	0
COLUMBUS COL	141	0	0	0	0	0	0	139	0	0	2	0	0
COVENANT COL	103	0	0	0	0	0	0	103	0	0	0	0	0
DALTON JR COL	33	0	0	0	0	0	0	33	0	0	0	0	0
DEKALB COL	771	0	0	0	0	0	0	771	0	0	0	0	0
EMMANUEL COL	28	0	0	0	0	0	0	28	0	0	0	0	0
EMORY UNIV	11,717	0	52	0	82	0	0	10,518	0	147	918	0	0
FLOYD JUNIOR COLLEGE	15	0	0	0	0	0	0	15	0	0	0	0	0
FORT VALLEY STATE COL	852	25	0	0	0	0	0	814	0	0	13	0	0
GA COL AT MILLEDGEVILLE	184	0	0	0	0	0	0	174	0	0	10	0	0
GAINESVILLE JR COL	190	0	0	0	0	0	0	190	0	0	0	0	0
GEORGIA INST OF TECH	7,304	0	405	105	3,105	0	453	1,084	274	530	755	593	0
GEORGIA SOUTHERN COL	555	0	0	0	0	0	0	522	0	0	33	0	0
GEORGIA SOUTHWESTERN COL	163	0	0	0	0	0	0	163	0	0	0	0	0
GEORGIA STATE UNIVERSITY	957	0	0	0	39	0	0	837	0	0	81	0	0
GORDON MILITARY COL	45	0	0	0	0	0	0	45	0	0	0	0	0
INTERDENOMINA THEOL CTR	13	0	0	0	0	0	0	13	0	0	0	0	0
KENNESAW JR COL	125	0	0	0	0	0	0	125	0	0	0	0	0
LA GRANGE COL	58	0	0	0	0	0	0	58	0	0	0	0	0
MACON JR COL	16	0	0	0	0	0	0	16	0	0	0	0	0
MEDICAL COL OF GEORGIA	3,812	0	25	0	70	0	31	3,644	0	0	42	0	0
MERCER UNIV	570	0	0	0	0	0	0	542	0	0	28	0	0

MACON JR COL	16	0	0	0	0	0	0	16	0	0	0	0	0
MEDICAL COL OF GEORGIA	3,812	0	25	0	70	0	31	3,644	0	0	42	0	0
MERCER UNIV	570	0	0	0	0	0	0	542	0	0	28	0	0
SEMINOLE JR COL	62	0	0	0	0	0	0	62	0	0	0	0	0
SOUTH FLORIDA JR COL	14	0	0	0	0	0	0	14	0	0	0	0	0
SOUTH-EASTERN BIBLE COL	157	0	0	0	0	0	0	157	0	0	0	0	0
ST JOHNS RIVER JR COL	66	0	0	0	0	0	0	66	0	0	0	0	0
ST JOSEPH COL OF FLORIDA	28	0	0	0	0	0	0	28	0	0	0	0	0
ST LEO COL	21	0	0	0	0	0	0	21	0	0	0	0	0
ST PETERSBURG JR COL	364	0	0	0	0	0	0	362	0	0	2	0	0
ST UNIV SYS OF FLA	163	0	0	0	0	0	0	136	0	0	27	0	0
STETSON UNIV	303	0	0	0	0	0	0	287	0	0	16	0	0
TALLAHASSEE COMMUNITY COL	91	0	0	0	0	0	0	91	0	0	0	0	0
UNIV OF FLORIDA	23,357	4,469	384	0	998	0	633	14,066	179	562	1,916	0	150
UNIV OF MIAMI	22,848	0	320	127	2,500	262	57	14,911	0	435	3,538	698	0
UNIV OF SOUTH FLORIDA	3,093	0	0	40	35	0	0	2,580	5	19	414	0	0
UNIV OF TAMPA	50	0	0	0	0	0	0	50	0	0	0	0	0
UNIV OF WEST FLORIDA	335	0	0	0	0	0	0	284	0	38	13	0	0
VALENCIA COMMUNITY COLL	336	0	0	0	0	0	0	336	0	0	0	0	0
GEORGIA, TOTAL	57,734	7,019	1,019	411	3,549	131	595	37,675	459	880	5,015	743	238
ABRAHAM BALDWIN AGR COL	283	0	0	0	0	0	0	283	0	0	0	0	0
ALBANY JR COL	85	0	0	0	0	0	0	85	0	0	0	0	0
ALBANY STATE COL	1,032	0	0	0	0	0	0	1,032	0	0	0	0	0
ANDREW COL	12	0	0	0	0	0	0	12	0	0	0	0	0
ARMSTRONG STATE COL	244	0	0	0	0	0	0	244	0	0	0	0	0
ATLANTA BAPTIST COLLEGE	33	0	0	0	0	0	0	33	0	0	0	0	0
ATLANTA SCH OF ART	29	0	0	0	0	0	0	29	0	0	0	0	0
ATLANTA UNIV	2,170	0	0	0	0	131	0	1,723	0	0	128	150	38
ATLANTA UNIVERSITY CENTER	186	0	0	0	0	0	0	0	0	0	186	0	0
AUGUSTA COL	101	0	0	0	0	0	0	101	0	0	0	0	0
BERRY COL	207	0	0	0	0	0	0	207	0	0	0	0	0
BREWTON-PARKER COL	92	0	0	0	0	0	0	92	0	0	0	0	0
BRUNSWICK JR COL	336	0	0	0	0	0	0	336	0	0	0	0	0
CLARK COL	1,438	0	0	0	0	0	0	1,397	0	0	41	0	0
CLAYTON JUNIOR COLLEGE	94	0	0	0	0	0	0	94	0	0	0	0	0
COLUMBUS COL	141	0	0	0	0	0	0	139	0	0	2	0	0
COVENANT COL	103	0	0	0	0	0	0	103	0	0	0	0	0
DALTON JR COL	33	0	0	0	0	0	0	33	0	0	0	0	0
DEKALB COL	771	0	0	0	0	0	0	771	0	0	0	0	0
EMMANUEL COL	28	0	0	0	0	0	0	28	0	0	0	0	0
EMORY UNIV	11,717	0	52	0	82	0	0	10,518	0	147	918	0	0
FLOYD JUNIOR COLLEGE	15	0	0	0	0	0	0	15	0	0	0	0	0
FORT VALLEY STATE COL	852	25	0	0	0	0	0	814	0	0	13	0	0
GA COL AT MILLEDGEVILLE	184	0	0	0	0	0	0	174	0	0	10	0	0
GAINESVILLE JR COL	190	0	0	0	0	0	0	190	0	0	0	0	0
GEORGIA INST OF TECH	7,304	0	805	105	3,105	0	453	1,084	274	530	755	593	0
GEORGIA SOUTHERN COL	555	0	0	0	0	0	0	522	0	0	33	0	0
GEORGIA SOUTHWESTERN COL	163	0	0	0	0	0	0	163	0	0	0	0	0
GEORGIA STATE UNIVERSITY	957	0	0	0	39	0	0	837	0	0	81	0	0
GORDON MILITARY COL	45	0	0	0	0	0	0	45	0	0	0	0	0
INTERDENOMINA THEOL CTR	13	0	0	0	0	0	0	13	0	0	0	0	0
KENNESAW JR COL	125	0	0	0	0	0	0	125	0	0	0	0	0
LA GRANGE COL	58	0	0	0	0	0	0	58	0	0	0	0	0
MACON JR COL	16	0	0	0	0	0	0	16	0	0	0	0	0
MEDICAL COL OF GEORGIA	3,812	0	25	0	70	0	31	3,644	0	0	42	0	0
MERCER UNIV	570	0	0	0	0	0	0	542	0	0	28	0	0
MIDDLE GEORGIA COL	204	0	0	0	0	0	0	204	0	0	0	0	0
MOREHOUSE COL	646	0	0	0	0	0	0	640	0	0	6	0	0
MORRIS BROWN COL	1,159	0	0	0	0	0	0	1,101	0	0	58	0	0
NORMAN COL	8	0	0	0	0	0	0	8	0	0	0	0	0
NORTH GEORGIA COL	142	0	0	0	0	0	0	89	0	0	53	0	0
OGLETHORPE COL	80	0	0	0	0	0	0	45	0	0	35	0	0
PAINE COL	1,148	0	0	0	0	0	0	1,148	0	0	0	0	0
PIEDMONT COL	78	0	0	0	0	0	0	78	0	0	0	0	0
REINHARDT COL	60	0	0	0	0	0	0	60	0	0	0	0	0
SAVANNAH STATE COL	932	0	0	0	0	0	0	742	0	0	190	0	0
SHORTER COL	23	0	0	0	0	0	0	17	0	0	6	0	0
SOUTH GEORGIA COL	353	0	0	0	0	0	0	353	0	0	0	0	0
SPELMAN COL	841	0	0	0	0	0	0	839	0	0	2	0	0
TIFT COL	221	0	0	0	0	0	0	221	0	0	0	0	0
TOCCOA FALLS INST	128	0	0	0	0	0	0	128	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
GEORGIA													
TRUETT MCCONNELL COL	16	0	0	0	0	0	0	16	0	0	0	0	0
UNIV OF GEORGIA	16,845	6,994	537	306	253	0	111	5,727	185	203	2,329	0	200
VALDOSTA ST COL	175	0	0	0	0	0	0	169	0	0	6	0	0
WESLEYAN COL	4	0	0	0	0	0	0	4	0	0	0	0	0
WEST GEORGIA COL	663	0	0	0	0	0	0	570	0	0	93	0	0
YOUNG HARRIS COL	14	0	0	0	0	0	0	14	0	0	0	0	0
HAWAII, TOTAL	19,834	1,393	695	46	1,978	340	404	8,836	123	1,050	4,469	0	500
CHAMINADE COL OF HONOLULU	670	0	0	0	0	0	0	170	0	0	0	0	500
HAWAII LOA COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
HAWAII PACIFIC COLLEGE	42	0	0	0	0	0	0	42	0	0	0	0	0
HAUNAOLU COL	106	0	0	0	0	0	0	106	0	0	0	0	0
UNIV OF HAWAII	19,011	1,393	695	46	1,978	340	404	8,513	123	1,050	4,469	0	0
IDAHO, TOTAL	6,103	1,871	58	13	113	0	40	3,159	339	20	490	0	0
BOISE STATE COLLEGE	767	0	0	0	0	0	0	767	0	0	0	0	0
COL OF IDAHO	218	0	0	0	0	0	0	163	0	0	55	0	0
COL OF SOUTHERN IDAHO	385	0	0	0	0	0	0	385	0	0	0	0	0
IDAHO STATE UNIV	1,173	0	45	0	0	0	0	1,050	0	0	78	0	0
LEWIS-CLARK NORMAL SCHOOL	115	0	0	0	0	0	0	95	0	0	20	0	0
NORTH IDAHO JR COL	151	0	0	0	0	0	0	134	0	0	17	0	0
NORTHWEST NAZARENE COL	177	0	0	0	0	0	0	156	0	0	21	0	0
UNIV OF IDAHO	3,117	1,871	13	13	113	0	40	409	339	20	299	0	0
ILLINOIS, TOTAL	154,082	6,752	9,353	324	18,838	477	987	90,236	345	5,861	19,872	360	677
AUGUSTANA COL	161	0	0	0	0	0	0	108	0	0	53	0	0
AURORA COL	53	0	0	0	0	0	0	53	0	0	0	0	0
BARAT COLLEGE	266	0	0	0	0	0	0	266	0	0	0	0	0
BELLEVILLE AREA COLLEGE	31	0	0	0	0	0	0	31	0	0	0	0	0
BLACK HAWK COL	59	0	0	0	0	0	0	59	0	0	0	0	0
BLACKBURN COL	30	0	0	0	0	0	0	28	0	0	2	0	0
BRADLEY UNIV	350	0	0	0	0	0	0	313	0	0	37	0	0
CARL SANDBURG COL	32	0	0	0	0	0	0	32	0	0	0	0	0
CENTRAL YMCA COMM COL	1,536	0	0	0	0	0	0	1,536	0	0	0	0	0
CHI COL OSTEOPATHIC MED	700	0	0	0	0	0	0	700	0	0	0	0	0
CHICAGO CONSERVATORY COL	2	0	0	0	0	0	0	2	0	0	0	0	0
CHICAGO MEDICAL SCHOOL	1,557	0	0	0	15	0	0	1,542	0	0	0	0	0
CHICAGO STATE COL	445	0	0	0	0	0	0	445	0	0	0	0	0
CITY COLLEGES OF CHICAGO	3,322	0	0	0	0	0	0	3,320	0	0	2	0	0
COL OF DU PAGE	48	0	0	0	0	0	0	48	0	0	0	0	0
COLLEGE OF LAKE COUNTY	1,155	0	0	0	0	0	0	1,155	0	0	0	0	0
COLUMBIA COL	21	0	0	0	0	0	0	21	0	0	0	0	0
CONCORDIA TCHRS COL	29	0	0	0	0	0	0	29	0	0	0	0	0
CONCORDIA THEOL SEM	4	0	0	0	0	0	0	4	0	0	0	0	0
DANVILLE JR COL	106	0	0	0	0	0	0	106	0	0	0	0	0
DEPAUL UNIV	998	0	0	0	0	0	0	904	0	0	94	0	0
EASTERN ILLINOIS UNIV	459	0	0	0	0	0	0	369	0	0	90	0	0
ELGIN COMM COL	40	0	0	0	0	0	0	40	0	0	0	0	0
ELMHURST COL	87	0	0	0	0	0	0	83	0	0	4	0	0
ELREKA COL	147	0	0	0	0	0	0	147	0	0	0	0	0
GARRETT BIBLICAL INST	11	0	0	0	0	0	0	11	0	0	0	0	0
GEORGE WILLIAMS COL	176	0	0	0	0	0	0	176	0	0	0	0	0
GOVERNORS STATE UNIV	56	0	0	0	0	0	0	56	0	0	0	0	0
GREENVILLE COL	131	0	0	0	0	0	0	129	0	0	2	0	0
HEBREW THEOL COL	36	0	0	0	0	0	0	36	0	0	0	0	0
HIGHLAND COMM COL	24	0	0	0	0	0	0	24	0	0	0	0	0
ILL COL OF PODIATRIC MED	334	0	0	0	0	0	0	334	0	0	0	0	0
ILLINOIS BENEDICTINE COL	196	0	87	0	0	0	0	64	0	0	45	0	0
ILLINOIS CENTRAL COL	130	0	0	0	0	0	0	130	0	0	0	0	0
ILLINOIS COL	38	0	0	0	0	0	0	36	0	0	2	0	0
ILLINOIS COL OF OPTOMETRY	715	0	0	0	0	0	0	715	0	0	0	0	0
ILLINOIS INST OF TECH	5,366	0	146	0	712	0	30	3,084	0	112	1,282	0	0
ILLINOIS ST UNIV	1,429	0	30	0	0	83	0	1,186	0	0	130	0	0
ILLINOIS VALLEY COM COLL	8	0	0	0	0	0	0	8	0	0	0	0	0
ILLINOIS WESLEYAN UNIV	392	0	0	0	0	0	0	245	0	0	147	0	0
JOHN A LOGAN COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
JOLIET JR COL	61	0	0	0	0	0	0	61	0	0	0	0	0
JUDSON COL	27	0	0	0	0	0	0	27	0	0	0	0	0
KANKAKEE COMMUNITY COL	6	0	0	0	0	0	0	6	0	0	0	0	0

JOHN A LOGAN COLLEGE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JOLIET JR COL	61	0	0	0	0	0	0	61	0	0	0	0	0
JUDSON COL	27	0	0	0	0	0	0	27	0	0	0	0	0
KANKAKEE COMMUNITY COL	6	0	0	0	0	0	0	6	0	0	0	0	0
BOISE STATE COLLEGE	767	0	0	0	0	0	0	767	0	0	0	0	0
COL OF IDAHO	218	0	0	0	0	0	0	163	0	0	55	0	0
COL OF SOUTHERN IDAHO	385	0	0	0	0	0	0	385	0	0	0	0	0
IDAHO STATE UNIV	1,173	0	45	0	0	0	0	1,050	0	0	78	0	0
LEWIS-CLARK NORMAL SCHOOL	115	0	0	0	0	0	0	95	0	0	20	0	0
NORTH IDAHO JR COL	151	0	0	0	0	0	0	134	0	0	17	0	0
NORTHWEST NAZARENE COL	177	0	0	0	0	0	0	156	0	0	21	0	0
UNIV OF IDAHO	3,117	1,871	13	13	113	0	40	409	339	20	299	0	0
ILLINOIS, TOTAL	154,082	6,752	9,353	324	18,838	477	987	90,236	345	5,861	19,872	360	677
AUGUSTANA COL	161	0	0	0	0	0	0	108	0	0	53	0	0
AURORA COL	53	0	0	0	0	0	0	53	0	0	0	0	0
BARAT COLLEGE	266	0	0	0	0	0	0	266	0	0	0	0	0
BELLEVILLE AREA COLLEGE	31	0	0	0	0	0	0	31	0	0	0	0	0
BLACK HAWK COL	59	0	0	0	0	0	0	59	0	0	0	0	0
BLACKBURN COL	30	0	0	0	0	0	0	28	0	0	2	0	0
BRADLEY UNIV	350	0	0	0	0	0	0	313	0	0	37	0	0
CARL SANDBURG COL	32	0	0	0	0	0	0	32	0	0	0	0	0
CENTRAL YMCA COMM COL	1,536	0	0	0	0	0	0	1,536	0	0	0	0	0
CHI COL OSTEOPATHIC MED	700	0	0	0	0	0	0	700	0	0	0	0	0
CHICAGO CONSERVATORY COL	2	0	0	0	0	0	0	2	0	0	0	0	0
CHICAGO MEDICAL SCHOOL	1,557	0	0	0	15	0	0	1,542	0	0	0	0	0
CHICAGO STATE COL	445	0	0	0	0	0	0	445	0	0	0	0	0
CITY COLLEGES OF CHICAGO	3,322	0	0	0	0	0	0	3,320	0	0	2	0	0
COL OF DU PAGE	48	0	0	0	0	0	0	48	0	0	0	0	0
COLLEGE OF LAKE COUNTY	1,155	0	0	0	0	0	0	1,155	0	0	0	0	0
COLUMBIA COL	21	0	0	0	0	0	0	21	0	0	0	0	0
CONCORDIA TCHRS COL	29	0	0	0	0	0	0	29	0	0	0	0	0
CONCORDIA THEOL SEM	4	0	0	0	0	0	0	4	0	0	0	0	0
DANVILLE JR COL	106	0	0	0	0	0	0	106	0	0	0	0	0
DEPAUL UNIV	998	0	0	0	0	0	0	904	0	0	94	0	0
EASTERN ILLINOIS UNIV	459	0	0	0	0	0	0	369	0	0	90	0	0
ELGIN COMM COL	40	0	0	0	0	0	0	40	0	0	0	0	0
ELMHURST COL	87	0	0	0	0	0	0	83	0	0	4	0	0
ELREKA COL	147	0	0	0	0	0	0	147	0	0	0	0	0
GARRETT BIBLICAL INST	11	0	0	0	0	0	0	11	0	0	0	0	0
GEORGE WILLIAMS COL	176	0	0	0	0	0	0	176	0	0	0	0	0
GOVERNORS STATE UNIV	56	0	0	0	0	0	0	56	0	0	0	0	0
GREENVILLE COL	131	0	0	0	0	0	0	129	0	0	2	0	0
HEBREW THEOL COL	36	0	0	0	0	0	0	36	0	0	0	0	0
HIGHLAND COMM COL	24	0	0	0	0	0	0	24	0	0	0	0	0
ILL COL OF PODIATRIC MED	334	0	0	0	0	0	0	334	0	0	0	0	0
ILLINOIS BENEDICTINE COL	196	0	87	0	0	0	0	64	0	0	45	0	0
ILLINOIS CENTRAL COL	130	0	0	0	0	0	0	130	0	0	0	0	0
ILLINOIS COL	38	0	0	0	0	0	0	36	0	0	2	0	0
ILLINOIS COL OF OPTOMETRY	715	0	0	0	0	0	0	715	0	0	0	0	0
ILLINOIS INST OF TECH	5,366	0	146	0	712	0	30	3,084	0	112	1,282	0	0
ILLINOIS ST UNIV	1,429	0	30	0	0	83	0	1,186	0	0	130	0	0
ILLINOIS VALLEY COM COLL	8	0	0	0	0	0	0	8	0	0	0	0	0
ILLINOIS WESLEYAN UNIV	392	0	0	0	0	0	0	245	0	0	147	0	0
JOHN A LOGAN COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
JOLIET JR COL	61	0	0	0	0	0	0	61	0	0	0	0	0
JUDSON COL	27	0	0	0	0	0	0	27	0	0	0	0	0
KANKAKEE COMMUNITY COL	6	0	0	0	0	0	0	6	0	0	0	0	0
KASKASKIA COL	36	0	0	0	0	0	0	36	0	0	0	0	0
KENDALL COL	103	0	0	0	0	0	0	103	0	0	0	0	0
KISHWAUKEE COL	43	0	0	0	0	0	0	43	0	0	0	0	0
KNOX COL	248	0	0	0	0	0	0	78	0	0	170	0	0
LAKE FOREST COL	176	0	0	0	0	0	0	122	0	0	54	0	0
LAKE LAND COL	47	0	0	0	0	0	0	47	0	0	0	0	0
LEWIS COL	223	0	0	0	0	0	0	218	0	0	5	0	0
LINCOLN CHRISTIAN COL	13	0	0	0	0	0	0	13	0	0	0	0	0
LINCOLN COL	12	0	0	0	0	0	0	12	0	0	0	0	0
LINCOLN LAND JR COLLEGE	80	0	0	0	0	0	0	80	0	0	0	0	0
LOYOLA UNIV	5,845	0	43	0	41	0	0	5,540	0	0	210	0	11
MACCORMAC COL	16	0	0	0	0	0	0	16	0	0	0	0	0

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
ILLINOIS													
MACMURRAY COL	217	0	0	0	0	0	0	153	0	0	64	0	0
MARYKNOLL COL	3	0	0	0	0	0	0	3	0	0	0	0	0
MCHENRY COUNTY COL	19	0	0	0	0	0	0	19	0	0	0	0	0
MCKENDREE COL	48	0	0	0	0	0	0	48	0	0	0	0	0
MILLIKIN UNIV	92	0	0	0	0	0	0	92	0	0	0	0	0
MONMOUTH COL	140	0	0	0	0	0	0	140	0	0	0	0	0
MORAINE VALLEY COMM COLL	41	0	0	0	0	0	0	41	0	0	0	0	0
MUNDELEIN COL	212	0	0	0	0	0	0	212	0	0	0	0	0
NAT COL OF EDUCATION	150	0	0	0	0	0	0	150	0	0	0	0	0
NORTH CENTRAL COL	54	0	0	0	0	0	0	51	0	0	3	0	0
NORTH PARK COL THEOL SEM	55	0	0	0	0	0	0	55	0	0	0	0	0
NORTHEASTERN ILL ST COL	527	0	0	0	0	0	0	482	0	0	45	0	0
NORTHERN BAPT THEOL SEM	1	0	0	0	0	0	0	1	0	0	0	0	0
NORTHERN ILLINOIS UNIV	2,303	0	0	0	58	0	0	1,735	0	0	510	0	0
NORTHWESTERN UNIV	22,245	4	184	0	1,662	250	321	15,411	20	1,436	2,782	175	0
OLIVET NAZARENE COL	172	0	0	0	0	0	0	172	0	0	0	0	0
OLNEY CENTRAL COLLEGE	147	0	0	0	0	0	0	147	0	0	0	0	0
PARKLAND COL	71	0	0	0	0	0	0	71	0	0	0	0	0
PRAIRIE STATE COL	127	0	0	0	0	0	0	127	0	0	0	0	0
QUINCY COL	195	0	0	0	0	0	0	195	0	0	0	0	0
REND LAKE COL	20	0	0	0	0	0	0	20	0	0	0	0	0
ROBERT MORRIS COL	25	0	0	0	0	0	0	25	0	0	0	0	0
ROCK VALLEY COL	89	0	0	0	0	0	0	89	0	0	0	0	0
ROOSEVELT UNIV	542	0	0	0	0	0	0	496	0	0	46	0	0
ROSARY COL	62	0	0	0	0	0	0	62	0	0	0	0	0
SANGAMON STATE UNIVERSITY	67	0	0	0	0	0	0	67	0	0	0	0	0
SAUK VALLEY COL	111	0	0	0	0	0	0	111	0	0	0	0	0
SCHOOLS OF THE ART INST	60	0	0	0	0	0	0	60	0	0	0	0	0
SHAWNEE COLLEGE	59	0	0	0	0	0	0	59	0	0	0	0	0
SHIMER COL	10	0	0	0	0	0	0	10	0	0	0	0	0
SOUTHEASTERN ILLINOIS COL	15	0	0	0	0	0	0	15	0	0	0	0	0
SOUTHERN ILL U-CARBONDALE	2,525	39	0	0	0	0	42	2,058	6	0	380	0	0
SOUTHN ILL U-EDWARDSVILLE	941	0	0	0	0	0	0	900	0	0	41	0	0
SPERTUS COLL OF JUDAICA	21	0	0	0	0	0	0	21	0	0	0	0	0
SPOON RIVER COLLEGE	39	0	0	0	0	0	0	39	0	0	0	0	0
ST XAVIER COL	342	0	0	0	0	0	0	342	0	0	0	0	0
THORNTON COMMUNITY COL	162	0	0	0	0	0	0	162	0	0	0	0	0
TOLENTINE COL	11	0	0	0	0	0	0	11	0	0	0	0	0
TRINITY CHRISTIAN COL	52	0	0	0	0	0	0	52	0	0	0	0	0
TRINITY COL	156	0	0	0	0	0	0	154	0	0	2	0	0
TRITON COL	272	0	0	0	0	0	0	272	0	0	0	0	0
UNIV OF CHICAGO	37,819	0	4,772-	324	1,658	0	89	21,037	0	3,523	6,323	0	93
UNIV OF ILL CEN SYS	16	0	0	0	0	0	0	0	0	0	16	0	0
UNIV OF ILLINOIS-CHGO CIR	2,746	0	30	0	521	0	48	1,403	20	35	539	150	0
UNIV OF ILLINOIS-MED CTR	8,710	0	0	0	12	0	0	8,544	0	0	154	0	0
UNIV OF ILLINOIS-URBANA	44,244	6,709	4,061	0	14,159	144	441	10,587	299	755	6,481	35	573
WABASH VALLEY COL	78	0	0	0	0	0	0	78	0	0	0	0	0
WAUBONSEE COMMUNITY COL	11	0	0	0	0	0	0	11	0	0	0	0	0
WESTERN ILLINOIS UNIV	303	0	0	0	0	0	16	134	0	0	153	0	0
WHEATON COL	63	0	0	0	0	0	0	59	0	0	4	0	0
WILLIAM RAINEY HARPER COL	65	0	0	0	0	0	0	65	0	0	0	0	0
WINSTON CHURCHILL COL	6	0	0	0	0	0	0	6	0	0	0	0	0
INDIANA, TOTAL	64,773	5,475	3,422	100	2,482	0	502	36,928	243	3,071	10,911	287	1,352
ANCILLA DOMINI COL	2	0	0	0	0	0	0	2	0	0	0	0	0
ANDERSON COL	285	0	0	0	0	0	0	285	0	0	0	0	0
BALL STATE UNIV	1,060	0	0	0	0	0	0	924	0	0	136	0	0
BETHEL COL	37	0	0	0	0	0	0	37	0	0	0	0	0
BUTLER UNIV	128	0	0	0	0	0	0	99	0	0	29	0	0
CHRISTIAN THEOL SEM	142	0	0	0	0	0	0	142	0	0	0	0	0
DEPAUW UNIV	328	0	0	0	0	0	0	140	0	0	188	0	0
EARLHAM COL	362	0	0	0	0	0	0	291	0	0	71	0	0
FORT WAYNE ART INSTITUTE	25	0	0	0	0	0	0	25	0	0	0	0	0
FORT WAYNE BIBLE COL	6	0	0	0	0	0	0	6	0	0	0	0	0
FRANKLIN COL	101	0	0	0	0	0	0	101	0	0	0	0	0
GOSHEN COL	284	0	0	0	0	0	0	284	0	0	0	0	0
GRACE THEOL SEM	106	0	0	0	0	0	0	106	0	0	0	0	0

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FRANKLIN COL	101	0	0	0	0	0	0	101	0	0	0	0	0
GOSHEN COL	284	0	0	0	0	0	0	284	0	0	0	0	0
GRACE THEOL SEM	106	0	0	0	0	0	0	106	0	0	0	0	0
GLENCOE COL	195	0	0	0	0	0	0	195	0	0	0	0	0
REND LAKE COL	20	0	0	0	0	0	0	20	0	0	0	0	0
ROBERT MORRIS COL	25	0	0	0	0	0	0	25	0	0	0	0	0
ROCK VALLEY COL	89	0	0	0	0	0	0	89	0	0	0	0	0
ROOSEVELT UNIV	542	0	0	0	0	0	0	496	0	0	46	0	0
ROSARY COL	62	0	0	0	0	0	0	62	0	0	0	0	0
SANGAMON STATE UNIVERSITY	67	0	0	0	0	0	0	67	0	0	0	0	0
SAUK VALLEY COL	111	0	0	0	0	0	0	111	0	0	0	0	0
SCHOOLS OF THE ART INST	60	0	0	0	0	0	0	60	0	0	0	0	0
SHAWNEE COLLEGE	59	0	0	0	0	0	0	59	0	0	0	0	0
SHIMER COL	10	0	0	0	0	0	0	10	0	0	0	0	0
SOUTHEASTERN ILLINOIS COL	15	0	0	0	0	0	0	15	0	0	0	0	0
SOUTHERN ILL U-CARBONDALE	2,525	39	0	0	0	0	42	2,058	6	0	380	0	0
SOUTHN ILL U-EDWARDSVILLE	941	0	0	0	0	0	0	900	0	0	41	0	0
SPERTUS COLL OF JUDAICA	21	0	0	0	0	0	0	21	0	0	0	0	0
SPOON RIVER COLLEGE	39	0	0	0	0	0	0	39	0	0	0	0	0
ST XAVIER COL	342	0	0	0	0	0	0	342	0	0	0	0	0
THORNTON COMMUNITY COL	162	0	0	0	0	0	0	162	0	0	0	0	0
TOLENTINE COL	11	0	0	0	0	0	0	11	0	0	0	0	0
TRINITY CHRISTIAN COL	52	0	0	0	0	0	0	52	0	0	0	0	0
TRINITY COL	156	0	0	0	0	0	0	154	0	0	2	0	0
TRITON COL	272	0	0	0	0	0	0	272	0	0	0	0	0
UNIV OF CHICAGO	37,819	0	4,772	324	1,458	0	89	21,037	0	3,523	6,323	0	93
UNIV OF ILL CEN SYS	16	0	0	0	0	0	0	0	0	0	16	0	0
UNIV OF ILLINOIS-CHGO CIR	2,746	0	30	0	521	0	48	1,403	20	35	539	150	0
UNIV OF ILLINOIS-MED CTR	8,710	0	0	0	12	0	0	8,544	0	0	154	0	0
UNIV OF ILLINOIS-URBANA	44,244	6,709	4,061	0	14,159	144	441	10,587	299	755	6,481	35	573
WABASH VALLEY COL	78	0	0	0	0	0	0	78	0	0	0	0	0
WAUBONSEE COMMUNITY COL	11	0	0	0	0	0	0	11	0	0	0	0	0
WESTERN ILLINOIS UNIV	303	0	0	0	0	0	16	134	0	0	153	0	0
WHEATON COL	63	0	0	0	0	0	0	59	0	0	4	0	0
WILLIAM RAINEY HARPER COL	65	0	0	0	0	0	0	65	0	0	0	0	0
WINSTON CHURCHILL COL	6	0	0	0	0	0	0	6	0	0	0	0	0
INDIANA, TOTAL	64,773	5,475	3,422	100	2,482	0	502	36,928	243	3,071	10,911	287	1,352
ANCILLA DOMINI COL	2	0	0	0	0	0	0	2	0	0	0	0	0
ANDERSON COL	285	0	0	0	0	0	0	285	0	0	0	0	0
BALL STATE UNIV	1,060	0	0	0	0	0	0	924	0	0	136	0	0
BETHEL COL	37	0	0	0	0	0	0	37	0	0	0	0	0
BUTLER UNIV	128	0	0	0	0	0	0	99	0	0	29	0	0
CHRISTIAN THEOL SEM	142	0	0	0	0	0	0	142	0	0	0	0	0
DEPAUW UNIV	328	0	0	0	0	0	0	140	0	0	188	0	0
EARLHAM COL	362	0	0	0	0	0	0	291	0	0	71	0	0
FORT WAYNE ART INSTITUTE	25	0	0	0	0	0	0	25	0	0	0	0	0
FORT WAYNE BIBLE COL	6	0	0	0	0	0	0	6	0	0	0	0	0
FRANKLIN COL	101	0	0	0	0	0	0	101	0	0	0	0	0
GOSHEN COL	284	0	0	0	0	0	0	284	0	0	0	0	0
GRACE THEOL SEM	106	0	0	0	0	0	0	106	0	0	0	0	0
HOLY CROSS JR COL	7	0	0	0	0	0	0	7	0	0	0	0	0
HUNTINGTON COL	119	0	0	0	0	0	0	119	0	0	0	0	0
IND UNIV CEN SYS	63	1	0	0	0	0	15	47	0	0	0	0	0
INDIANA CENTRAL COL	78	0	0	0	0	0	0	78	0	0	0	0	0
INDIANA INST OF TECH	64	0	0	0	0	0	0	29	0	0	35	0	0
INDIANA STATE UNIV	1,473	0	0	0	0	0	0	1,408	0	0	65	0	0
INDIANA UNIV-BLOOMINGTON	13,497	0	224	0	259	0	56	8,624	34	296	3,345	209	450
INDIANA UNIV-INDIANAPOLIS	12,434	0	0	0	0	0	0	12,286	0	0	148	0	0
INDIANA UNIV-KOKOMO	18	0	0	0	0	0	0	18	0	0	0	0	0
INDIANA UNIV-NORTHWEST	225	0	0	0	0	0	0	170	0	0	55	0	0
INDIANA UNIV-SOUTH BEND	81	0	0	0	0	0	0	81	0	0	0	0	0
INDIANA UNIV-SOUTHEAST	95	0	0	0	0	0	0	95	0	0	0	0	0
MANCHESTER COL	139	0	0	0	0	0	0	139	0	0	0	0	0
MARIAN COL	181	0	0	0	0	0	0	181	0	0	0	0	0
MARION COL	213	0	0	0	0	0	0	213	0	0	0	0	0
OAKLAND CITY COL	60	0	0	0	0	0	0	60	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
INDIANA													
PURDUE UNIV	24,443	5,474	1,666	100	1,963	0	306	7,213	209	2,745	3,939	78	750
ROSE-HULMAN INST OF TECH	79	0	0	0	0	0	0	75	0	0	4	0	0
ST FRANCIS COL	70	0	0	0	0	0	0	70	0	0	0	0	0
ST JOSEPHS COL	193	0	0	0	0	0	0	193	0	0	0	0	0
ST MARY-OF-THE-WOODS COL	36	0	0	0	0	0	0	36	0	0	0	0	0
ST MARYS COL	65	0	0	0	0	0	0	63	0	0	2	0	0
ST MEINRAD COL	23	0	0	0	0	0	0	23	0	0	0	0	0
ST MEINRAD SCH - THEOLOGY	6	0	0	0	0	0	0	6	0	0	0	0	0
TAYLOR UNIV	169	0	0	0	0	0	0	167	0	0	2	0	0
TRI-ST COL	75	0	0	0	0	0	0	73	0	0	2	0	0
UNIV OF EVANSVILLE	397	0	0	0	0	0	0	397	0	0	0	0	0
UNIV OF NOTRE DAME	6,691	0	1,532	0	260	0	125	1,815	0	30	2,777	0	152
VALPARAISO UNIV	431	0	0	0	0	0	0	320	0	0	111	0	0
VINCENNES UNIV	450	0	0	0	0	0	0	450	0	0	0	0	0
WABASH COL	32	0	0	0	0	0	0	30	0	0	2	0	0
IOWA, TOTAL	53,272	5,375	87	0	1,631	0	445	37,621	351	2,073	5,505	146	38
AMER INST OF BUSINESS	20	0	0	0	0	0	0	20	0	0	0	0	0
AREA SIX COMMUNITY COL	477	0	0	0	0	0	0	477	0	0	0	0	0
BRIAR CLIFF COL	337	0	0	0	0	0	0	337	0	0	0	0	0
BLENA VISTA COL	121	0	0	0	0	0	0	121	0	0	0	0	0
CENTRAL COL	334	0	0	0	0	0	0	283	0	0	51	0	0
CLARKE COL	86	0	0	0	0	0	0	24	0	0	62	0	0
COE COL	180	0	0	0	0	0	0	149	0	0	31	0	0
COL OF OSTEOPATH MED SURG	996	0	0	0	0	0	0	996	0	0	0	0	0
CORNELL COL	65	0	0	0	0	0	0	47	0	0	18	0	0
DES MOINES AREA CC-ANKENY	152	0	0	0	0	0	0	152	0	0	0	0	0
DIVINE WORD COL	26	0	0	0	0	0	0	26	0	0	0	0	0
DORDT COL	152	0	0	0	0	0	0	142	0	0	10	0	0
DRAKE UNIV	938	0	0	0	0	0	0	801	0	0	137	0	0
EASTERN IOWA COMM COL	181	0	0	0	0	0	0	181	0	0	0	0	0
GRACELAND COL	211	0	0	0	0	0	0	211	0	0	0	0	0
GRAND VIEW COL	40	0	0	0	0	0	0	40	0	0	0	0	0
GRINNELL COL	144	0	0	0	0	0	0	50	0	0	94	0	0
INDIAN HILLS COMMUNITY CO	15	0	0	0	0	0	0	15	0	0	0	0	0
IOWA CENTRAL COMM COL	72	0	0	0	0	0	0	70	0	0	2	0	0
IOWA LAKES COMMUNITY COL	412	0	0	0	0	0	0	412	0	0	0	0	0
IOWA ST U OF SCIENCE&TECH	17,369	5,375	29	0	583	0	100	9,997	298	45	904	0	38
IOWA WESLEYAN COL	110	0	0	0	0	0	0	78	0	0	32	0	0
IOWA WESTERN COMM COL	61	0	0	0	0	0	0	61	0	0	0	0	0
KIRKWOOD COMMUNITY COLL	146	0	0	0	0	0	0	146	0	0	0	0	0
LORAS COL	164	0	0	0	0	0	0	155	0	0	9	0	0
LUTHER COL	748	0	0	0	0	0	0	430	0	0	318	0	0
MARYCREST COL	1,399	0	0	0	0	0	0	1,370	0	0	29	0	0
MORNINGSIDE COL	211	0	0	0	0	0	0	211	0	0	0	0	0
MT MERCY COL	239	0	0	0	0	0	0	239	0	0	0	0	0
MT ST CLARE COL	15	0	0	0	0	0	0	15	0	0	0	0	0
NORTH IOWA AREA COMM COL	103	0	0	0	0	0	0	103	0	0	0	0	0
NORTHWESTERN COL	122	0	0	0	0	0	0	122	0	0	0	0	0
NW IOWA VOCATIONAL SCHOOL	19	0	0	0	0	0	0	19	0	0	0	0	0
OTTUMWA HEIGHTS COL	132	0	0	0	0	0	0	132	0	0	0	0	0
PARSONS COL	94	0	0	0	0	0	0	94	0	0	0	0	0
SIMPSON COL	163	0	0	0	0	0	0	154	0	0	9	0	0
SOUTHEASTERN IOWA COM COL	404	0	0	0	0	0	0	404	0	0	0	0	0
SOUTHWESTERN COMM COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
ST AMBROSE COL	75	0	0	0	0	0	0	75	0	0	0	0	0
UNIV OF DUBUQUE	112	0	0	0	0	0	0	81	0	0	31	0	0
UNIV OF IOWA	24,914	0	58	0	1,048	0	345	17,758	53	2,023	3,483	146	0
UNIV OF NORTHERN IOWA	1,028	0	0	0	0	0	0	743	0	0	285	0	0
UPPER IOWA UNIV	135	0	0	0	0	0	0	135	0	0	0	0	0
VENNARD COL	60	0	0	0	0	0	0	60	0	0	0	0	0
WALDORF COL	90	0	0	0	0	0	0	90	0	0	0	0	0
WARTBURG COL	177	0	0	0	0	0	0	172	0	5	0	0	0
WESTERN IOWA TECH	9	0	0	0	0	0	0	9	0	0	0	0	0
WESTMAR COL	137	0	0	0	0	0	0	137	0	0	0	0	0
WILLIAM PENN COL	55	0	0	0	0	0	0	55	0	0	0	0	0

WESTERN IOWA TECH	9	0	0	0	0	0	0	9	0	0	0	0	0
WESTMAR COL	137	0	0	0	0	0	0	137	0	0	0	0	0
WILLIAM PENN COL	55	0	0	0	0	0	0	55	0	0	0	0	0
AKER INST OF BUSINESS	20	0	0	0	0	0	0	20	0	0	0	0	0
AREA SIX COMMUNITY COL	477	0	0	0	0	0	0	477	0	0	0	0	0
BRIAR CLIFF COL	337	0	0	0	0	0	0	337	0	0	0	0	0
BUENA VISTA COL	121	0	0	0	0	0	0	121	0	0	0	0	0
CENTRAL COL	334	0	0	0	0	0	0	283	0	0	51	0	0
CLARKE COL	86	0	0	0	0	0	0	24	0	0	62	0	0
CCE COL	180	0	0	0	0	0	0	149	0	0	31	0	0
CCL OF OSTEOPATH MED SURG	996	0	0	0	0	0	0	996	0	0	0	0	0
CORNELL COL	65	0	0	0	0	0	0	47	0	0	18	0	0
DES MOINES AREA CC-ANKENY	152	0	0	0	0	0	0	152	0	0	0	0	0
DIVINE WORD COL	26	0	0	0	0	0	0	26	0	0	0	0	0
OCRDT COL	152	0	0	0	0	0	0	142	0	0	10	0	0
DRAKE UNIV	938	0	0	0	0	0	0	801	0	0	137	0	0
EASTERN IOWA COMM COL	181	0	0	0	0	0	0	181	0	0	0	0	0
GRACELAND COL	211	0	0	0	0	0	0	211	0	0	0	0	0
GRAND VIEW COL	40	0	0	0	0	0	0	40	0	0	0	0	0
GRINNELL COL	144	0	0	0	0	0	0	50	0	0	94	0	0
INDIAN HILLS COMMUNITY CO	15	0	0	0	0	0	0	15	0	0	0	0	0
IOWA CENTRAL COMM COL	72	0	0	0	0	0	0	70	0	0	2	0	0
IOWA LAKES COMMUNITY COL	412	0	0	0	0	0	0	412	0	0	0	0	0
IOWA ST U OF SCIENCE&TECH	17,369	5,375	29	0	583	0	100	9,997	298	45	904	0	38
IOWA WESLEYAN COL	110	0	0	0	0	0	0	78	0	0	32	0	0
IOWA WESTERN COMM COL	61	0	0	0	0	0	0	61	0	0	0	0	0
KIRKWOOD COMMUNITY COLL	146	0	0	0	0	0	0	146	0	0	0	0	0
LORAS COL	164	0	0	0	0	0	0	155	0	0	9	0	0
LUTHER COL	748	0	0	0	0	0	0	430	0	0	318	0	0
MARYCREST COL	1,399	0	0	0	0	0	0	1,370	0	0	29	0	0
MORNINGSIDE COL	211	0	0	0	0	0	0	211	0	0	0	0	0
MT MERCY COL	239	0	0	0	0	0	0	239	0	0	0	0	0
MT ST CLARE COL	15	0	0	0	0	0	0	15	0	0	0	0	0
NORTH IOWA AREA COMM COL	103	0	0	0	0	0	0	103	0	0	0	0	0
NORTHWESTERN COL	122	0	0	0	0	0	0	122	0	0	0	0	0
NW IOWA VOCATIONAL SCHOOL	19	0	0	0	0	0	0	19	0	0	0	0	0
OTTUMWA HEIGHTS COL	132	0	0	0	0	0	0	132	0	0	0	0	0
PARSONS COL	94	0	0	0	0	0	0	94	0	0	0	0	0
SIMPSON COL	163	0	0	0	0	0	0	154	0	0	9	0	0
SOUTHEASTERN IOWA COM COL	404	0	0	0	0	0	0	404	0	0	0	0	0
SOUTHWESTERN COMM COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
ST AMBROSE COL	75	0	0	0	0	0	0	75	0	0	0	0	0
UNIV OF DUBUQUE	112	0	0	0	0	0	0	81	0	0	31	0	0
UNIV OF IOWA	24,914	0	58	0	1,048	0	345	17,758	53	2,023	3,483	146	0
UNIV OF NORTHERN IOWA	1,028	0	0	0	0	0	0	743	0	0	285	0	0
UPPER IOWA UNIV	135	0	0	0	0	0	0	135	0	0	0	0	0
VENNARD COL	60	0	0	0	0	0	0	60	0	0	0	0	0
WALDORF COL	90	0	0	0	0	0	0	90	0	0	0	0	0
WARTBURG COL	177	0	0	0	0	0	0	172	0	5	0	0	0
WESTERN IOWA TECH	9	0	0	0	0	0	0	9	0	0	0	0	0
WESTMAR COL	137	0	0	0	0	0	0	137	0	0	0	0	0
WILLIAM PENN COL	55	0	0	0	0	0	0	55	0	0	0	0	0
KANSAS, TOTAL	34,022	3,526	631	0	415	0	146	25,055	336	764	3,028	0	121
ALLEN COUNTY COMM JR COL	16	0	0	0	0	0	0	16	0	0	0	0	0
BAKER UNIV	34	0	0	0	0	0	0	34	0	0	0	0	0
BARTON CNTY COMM JR COL	62	0	0	0	0	0	0	62	0	0	0	0	0
BENEDICTINE COLLEGE	268	0	0	0	0	0	0	248	0	0	20	0	0
BETHANY COL	38	0	0	0	0	0	0	38	0	0	0	0	0
BETHEL COL	351	0	0	0	0	0	0	351	0	0	0	0	0
BUTLER COUNTY COMM JR COL	53	0	0	0	0	0	0	53	0	0	0	0	0
CENTRAL COL	45	0	0	0	0	0	0	45	0	0	0	0	0
CLOUD COUNTY COMM JR COL	38	0	0	0	0	0	0	38	0	0	0	0	0
COFFEYVILLE COMM JR COL	43	0	0	0	0	0	0	43	0	0	0	0	0
COL OF EMPORIA	91	0	0	0	0	0	0	89	0	0	2	0	0
COLBY COMM JR COL	53	0	0	0	0	0	0	53	0	0	0	0	0
COWLEY COUNTY COMM JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
DODGE CITY COMM JR COL	137	0	0	0	0	0	0	137	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DED	EPA	HEW	INT	NASA	NSF	DOT	OTHER
KANSAS													
DONNELLY COL	26	0	0	0	0	0	0	26	0	0	0	0	0
FORT HAYS KANSAS ST COL	542	0	0	0	0	0	0	538	0	0	4	0	0
FORT SCOTT COMM JR COL	53	0	0	0	0	0	0	53	0	0	0	0	0
FRIENDS BIBLE COL	6	0	0	0	0	0	0	6	0	0	0	0	0
FRIENDS UNIV	115	0	0	0	0	0	0	115	0	0	0	0	0
GARDEN CITY COMM JR COL	23	0	0	0	0	0	0	23	0	0	0	0	0
HESSTON COL	66	0	0	0	0	0	0	66	0	0	0	0	0
HIGHLAND COMM JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
HUTCHINSON COMM JR COL	134	0	0	0	0	0	0	134	0	0	0	0	0
INDEPENDENCE COMM JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0
JOHNSON CO COMMUNITY COLL	679	0	0	0	0	0	0	679	0	0	0	0	0
KANS CITY KANS COM JR COL	40	0	0	0	0	0	0	40	0	0	0	0	0
KANS ST COL OF PITTSBURG	481	0	0	0	0	0	0	381	0	0	100	0	0
KANSAS STATE TCHRS COL	950	0	0	0	0	0	0	702	0	0	248	0	0
KANSAS STATE UNIV	9,855	3,526	211	0	133	0	77	4,631	198	21	937	0	121
KANSAS TECHNICAL INST	16	0	0	0	0	0	0	16	0	0	0	0	0
KANSAS WESLEYAN UNIV	59	0	0	0	0	0	0	57	0	0	2	0	0
LABETTE COMM JR COL	22	0	0	0	0	0	0	22	0	0	0	0	0
MANHATTAN BIBLE COL	22	0	0	0	0	0	0	22	0	0	0	0	0
MARYMOUNT COL	268	0	0	0	0	0	0	268	0	0	0	0	0
MCPHERSON COL	43	0	0	0	0	0	0	37	0	0	6	0	0
MID-AMERICAN NAZARENE COL	41	0	0	0	0	0	0	41	0	0	0	0	0
MILTONVALE WESLEYAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
NEOSHO COUNTY COMM JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0
OTTAWA UNIV	141	0	0	0	0	0	0	141	0	0	0	0	0
PRATT COMM JR COL	23	0	0	0	0	0	0	23	0	0	0	0	0
SACRED HEART COL	238	0	0	0	0	0	0	238	0	0	0	0	0
SEWARD CO COMMUNTY JR COL	47	0	0	0	0	0	0	47	0	0	0	0	0
SOUTHWESTERN COL	64	0	0	0	0	0	0	53	0	0	11	0	0
ST JOHNS COL	5	0	0	0	0	0	0	5	0	0	0	0	0
ST MARY COL	55	0	0	0	0	0	0	55	0	0	0	0	0
ST MARY OF THE PLAINS COL	59	0	0	0	0	0	0	59	0	0	0	0	0
STERLING COL	65	0	0	0	0	0	0	65	0	0	0	0	0
TABOR COL	72	0	0	0	0	0	0	72	0	0	0	0	0
UNIV OF KANSAS	17,130	0	400	0	192	0	69	14,046	138	685	1,600	0	0
WASHBURN UNIV OF TOPEKA	302	0	0	0	0	0	0	235	0	0	67	0	0
WICHITA STATE UNIV	1,070	0	20	0	90	0	0	871	0	58	31	0	0
KENTUCKY, TOTAL	35,877	7,287	86	104	942	335	236	24,153	368	278	1,561	0	527
ALICE LLOYD COL	454	0	0	0	0	0	0	454	0	0	0	0	0
ASBURY COL	66	0	0	0	0	0	0	39	0	0	27	0	0
ASBURY THEOL SEM	16	0	0	0	0	0	0	16	0	0	0	0	0
BELLARMINE-URSULINE COL	419	0	0	0	32	0	0	369	0	0	18	0	0
BEREA COL	581	0	0	0	0	0	0	581	0	0	0	0	0
BRESCIA COL	69	0	0	0	0	0	0	69	0	0	0	0	0
CAMPBELLSVILLE COL	160	0	0	0	0	0	0	160	0	0	0	0	0
CENTRE COL OF KENTUCKY	78	0	0	0	0	0	0	63	0	0	15	0	0
CUMBERLAND COL	283	0	0	0	0	0	0	281	0	0	2	0	0
EASTERN KENTUCKY UNIV	1,605	0	0	0	0	0	0	1,305	0	0	300	0	0
GEORGETOWN COL	82	0	0	0	0	0	0	74	0	0	8	0	0
KENTUCKY STATE COL	812	19	0	0	0	95	0	688	0	0	10	0	0
KENTUCKY WESLEYAN COL	36	0	0	0	0	0	0	36	0	0	0	0	0
LEES JR COL	619	0	0	0	0	0	0	619	0	0	0	0	0
LOUISVILLE PRES THEOL SEM	12	0	0	0	0	0	0	12	0	0	0	0	0
MIDWAY JR COL	289	0	0	0	0	0	0	289	0	0	0	0	0
MOREHEAD STATE UNIV	1,782	0	7	0	0	240	0	1,457	0	0	78	0	0
MURRAY STATE UNIV	740	0	0	0	0	0	0	629	0	0	111	0	0
PIKEVILLE COL	118	0	0	0	0	0	0	118	0	0	0	0	0
SEMINARY OF ST PIUS X	5	0	0	0	0	0	0	5	0	0	0	0	0
SOUTHEASTN CHRISTIAN COL	12	0	0	0	0	0	0	12	0	0	0	0	0
SPALDING COLLEGE	328	0	0	0	0	0	0	328	0	0	0	0	0
ST CATHERINE COL	28	0	0	0	0	0	0	28	0	0	0	0	0
SUE BENNETT COL	23	0	0	0	0	0	0	23	0	0	0	0	0
THOMAS MORE COL	190	0	0	0	0	0	0	141	0	0	49	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SLE BENNETT COL	23	0	0	0	0	0	0	23	0	0	0	0	0
THOMAS MORE COL	190	0	0	0	0	0	0	141	0	0	49	0	0
PENNSYLVANIA UNIVERSITY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANHATTAN BIBLE COL	22	0	0	0	0	0	0	22	0	0	0	0	0
MARYMOUNT COL	268	0	0	0	0	0	0	268	0	0	0	0	0
MCPHERSON COL	43	0	0	0	0	0	0	37	0	0	6	0	0
MID-AMERICAN NAZARENE COL	41	0	0	0	0	0	0	41	0	0	0	0	0
MILTONVALE WESLEYAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
NEOSHO COUNTY COMM JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0
OTTAWA UNIV	141	0	0	0	0	0	0	141	0	0	0	0	0
PRATT COMM JR COL	23	0	0	0	0	0	0	23	0	0	0	0	0
SACRED HEART COL	238	0	0	0	0	0	0	238	0	0	0	0	0
SEWARD CO COMMUNTY JR COL	47	0	0	0	0	0	0	47	0	0	0	0	0
SOUTHWESTERN COL	64	0	0	0	0	0	0	53	0	0	11	0	0
ST JOHNS COL	5	0	0	0	0	0	0	5	0	0	0	0	0
ST MARY COL	55	0	0	0	0	0	0	55	0	0	0	0	0
ST MARY OF THE PLAINS COL	59	0	0	0	0	0	0	59	0	0	0	0	0
STERLING COL	65	0	0	0	0	0	0	65	0	0	0	0	0
TABOR COL	72	0	0	0	0	0	0	72	0	0	0	0	0
UNIV OF KANSAS	17,130	0	400	0	192	0	69	14,046	138	685	1,600	0	0
WASHBURN UNIV OF TOPEKA	302	0	0	0	0	0	0	235	0	0	67	0	0
WICHITA STATE UNIV	1,070	0	20	0	90	0	0	871	0	58	31	0	0
KENTUCKY, TOTAL	35,877	7,287	86	104	942	335	236	24,153	368	278	1,561	0	527
ALICE LLOYD COL	454	0	0	0	0	0	0	454	0	0	0	0	0
ASBURY COL	66	0	0	0	0	0	0	39	0	0	27	0	0
ASBURY THEOL SEM	16	0	0	0	0	0	0	16	0	0	0	0	0
BELLARMINE-URSULINE COL	419	0	0	0	32	0	0	369	0	0	18	0	0
BEREA COL	581	0	0	0	0	0	0	581	0	0	0	0	0
BRESCIA COL	69	0	0	0	0	0	0	69	0	0	0	0	0
CAMPBELLSVILLE COL	160	0	0	0	0	0	0	160	0	0	0	0	0
CENTRE COL OF KENTUCKY	78	0	0	0	0	0	0	63	0	0	15	0	0
CUMBERLAND COL	283	0	0	0	0	0	0	281	0	0	2	0	0
EASTERN KENTUCKY UNIV	1,605	0	0	0	0	0	0	1,305	0	0	300	0	0
GEORGETOWN COL	82	0	0	0	0	0	0	74	0	0	8	0	0
KENTUCKY STATE COL	812	19	0	0	0	95	0	688	0	0	10	0	0
KENTUCKY WESLEYAN COL	36	0	0	0	0	0	0	36	0	0	0	0	0
LEES JR COL	619	0	0	0	0	0	0	619	0	0	0	0	0
LOUISVILLE PRES THEOL SEM	12	0	0	0	0	0	0	12	0	0	0	0	0
MIDWAY JR COL	289	0	0	0	0	0	0	289	0	0	0	0	0
MOREHEAD STATE UNIV	1,782	0	7	0	0	240	0	1,457	0	0	78	0	0
MURRAY STATE UNIV	740	0	0	0	0	0	0	629	0	0	111	0	0
PIKEVILLE COL	118	0	0	0	0	0	0	118	0	0	0	0	0
SEMINARY OF ST PIUS X	5	0	0	0	0	0	0	5	0	0	0	0	0
SOUTHEASTN CHRISTIAN COL	12	0	0	0	0	0	0	12	0	0	0	0	0
SPALDING COLLEGE	328	0	0	0	0	0	0	328	0	0	0	0	0
ST CATHERINE COL	28	0	0	0	0	0	0	28	0	0	0	0	0
SLE BENNETT COL	23	0	0	0	0	0	0	23	0	0	0	0	0
THOMAS MORE COL	190	0	0	0	0	0	0	141	0	0	49	0	0
TRANSYLVANIA UNIVERSITY	37	0	0	0	0	0	0	26	0	0	11	0	0
UNION COL	928	0	0	0	0	0	0	928	0	0	0	0	0
UNIV OF KENTUCKY	18,701	7,268	79	104	697	0	220	8,615	368	248	575	0	527
UNIV OF LOUISVILLE	6,199	0	0	0	213	0	16	5,683	0	30	257	0	0
WESTERN KENTUCKY UNIV	1,205	0	0	0	0	0	0	1,105	0	0	100	0	0
LOUISIANA, TOTAL	65,939	5,059	358	111	1,218	344	325	53,716	130	565	3,949	159	5
CENTENARY COLL OF LOUIS	99	0	0	0	0	0	0	88	0	0	11	0	0
DELGADO VOC TECH JR COLL	561	0	0	0	0	0	0	548	0	0	13	0	0
DILLARD UNIV	1,037	0	0	0	0	0	0	985	0	0	52	0	0
GRAMBLING COL	1,805	0	25	0	0	0	0	1,612	0	45	123	0	0
LA ST U MED CT N ORLEANS	4,227	0	0	0	207	0	0	3,987	0	0	33	0	0
LA ST U MED CT SHREVEPORT	20,475	0	0	0	0	0	0	20,475	0	0	0	0	0
LA ST UNIV BATON ROUGE	10,065	4,986	185	0	793	0	261	1,987	130	321	1,402	0	0
LA ST UNIV NEW ORLEANS	1,187	0	0	0	68	0	0	844	0	48	222	0	5
LOUISIANA COL	64	0	0	0	0	0	0	64	0	0	0	0	0
LOUISIANA TECH UNIVERSITY	858	40	0	0	0	0	39	711	0	0	68	0	0
LOYOLA UNIV	492	0	0	0	0	0	0	447	0	0	45	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DED	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
LOUISIANA													
LSU CENTRAL SYSTEM	691	0	0	0	0	0	0	678	0	0	13	0	0
MCNEESE STATE COL	43[illegible]	0	0	0	0	0	0	383	0	0	50	0	0
NICHOLLS STATE UNIVERSITY	287	0	0	0	0	0	0	283	0	0	4	0	0
NORTHEAST LOUISIANA UNIV	1,515	0	0	0	0	0	0	1,477	0	0	38	0	0
NORTHWESTERN ST UNIV-LA	660	0	0	0	0	0	0	552	0	0	108	0	0
NOTRE DAME SEM	15	0	0	0	0	0	0	15	0	0	0	0	0
SAINT BERNARD PARISH CC	7	0	0	0	0	0	0	7	0	0	0	0	0
SOUTHEASTERN LA UNIV	281	0	0	0	0	0	0	281	0	0	0	0	0
SOUTHERN UNIV	3,828	33	79	111	0	0	0	3,354	0	25	67	159	0
ST JOSEPH SEM	15	0	0	0	0	0	0	15	0	0	0	0	0
ST MARYS DOMINICAN COL	57	0	0	0	0	0	0	57	0	0	0	0	0
TULANE UNIV	15,048	0	69	0	135	344	25	12,704	0	126	1,645	0	0
UNIV OF SOUTHWESTERN LA	658	0	0	0	15	0	0	604	0	0	39	0	0
XAVIER U OF LOUISIANA	1,574	0	0	0	0	0	0	1,559	0	0	16	0	0
MAINE, TOTAL	6,832	1,842	4	444	14	0	59	3,570	100	42	719	0	38
BATES COL	261	0	0	0	0	0	0	259	0	0	2	0	0
BOWDOIN COL	744	0	0	0	4	0	0	465	0	0	275	0	0
COLBY COL	144	0	0	0	0	0	0	51	0	0	93	0	0
HUSSON COL	52	0	0	0	0	0	0	52	0	0	0	0	0
MAINE MARITIME ACADEMY	373	0	0	344	0	0	0	29	0	0	0	0	0
NASSON COL	26	0	0	0	0	0	0	26	0	0	0	0	0
NORTHERN CONSERV OF MUSIC	13	0	0	0	0	0	0	13	0	0	0	0	0
RICKER COL	25	0	0	0	0	0	0	25	0	0	0	0	0
ST FRANCIS COL	54	0	0	0	0	0	0	54	0	0	0	0	0
ST JOSEPHS COL	25	0	0	0	0	0	0	25	0	0	0	0	0
THOMAS COL	80	0	0	0	0	0	0	80	0	0	0	0	0
UNITY COLLEGE	14	0	0	0	0	0	0	14	0	0	0	0	0
UNIV MAINE, PRESQUE ISLE	93	0	0	0	0	0	0	91	0	0	2	0	0
UNIV OF MAINE AUGUSTA	14	0	0	0	0	0	0	14	0	0	0	0	0
UNIV OF MAINE MACHIAS	38	0	0	0	0	0	0	38	0	0	0	0	0
UNIV OF MAINE ORONO	3,728	1,842	4	0	10	0	59	1,413	100	42	220	0	38
UNIV OF MAINE PORTLAND	727	0	0	100	0	0	0	500	0	0	127	0	0
UNIV OF MAINE, FARMINGTON	245	0	0	0	0	0	0	245	0	0	0	0	0
UNIV OF MAINE, FORT KENT	36	0	0	0	0	0	0	36	0	0	0	0	0
WESTBROOK JR COL	140	0	0	0	0	0	0	140	0	0	0	0	0
MARYLAND, TOTAL	80,129	2,674	3,405	207	4,555	125	297	55,923	233	4,635	7,493	460	122
ALLEGANY COMM COL	150	0	0	0	0	0	0	150	0	0	0	0	0
ANNE ARUNDEL COMM COL	58	0	0	0	0	0	0	58	0	0	0	0	0
BALTIMORE COL OF COMMERCE	21	0	0	0	0	0	0	21	0	0	0	0	0
BOWIE STATE COL	649	0	0	0	0	0	0	593	0	56	0	0	0
CAPITOL INST OF TECH	16	0	0	0	0	0	0	16	0	0	0	0	0
CATONSVILLE COMM COL	320	0	0	0	0	0	0	310	0	0	10	0	0
CECIL COMMUNITY COLLEGE	61	0	0	0	0	0	0	61	0	0	0	0	0
CHARLES COUNTY COMM COL	136	0	0	0	0	0	44	15	0	0	77	0	0
CHESAPEAKE COLLEGE	57	0	0	0	13	0	0	34	0	0	10	0	0
COL OF NOTRE DAME OF MD	17	0	0	0	0	0	0	17	0	0	0	0	0
COLUMBIA UNION COL	185	0	0	0	0	0	0	159	0	10	16	0	0
COMM COL OF BALTIMORE	711	0	0	0	0	0	0	711	0	0	0	0	0
COPPIN STATE COL	557	0	0	0	0	0	0	557	0	0	0	0	0
ESSEX COMM COL	110	0	0	0	0		0	110	0	0	0	0	0
FREDERICK COMM COL	25	0	0	0	0	0	0	25	0	0	0	0	0
FROSTBURG STATE COL	142	0	0	0	0	0	0	142	0	0	0	0	0
GOUCHER COL	73	0	0	0	0	0	0	69	0	0	[illegible]	0	0
HAGERSTOWN JR COL	86	0	0	0	0	0	0	86	0	0	[illegible]	0	0
HARFORD JR COL	95	0	0	0	0	0	0	95	0	0	0	0	0
HOOD COL	34	0	0	0	0	0	0	34	0	0	0	0	0
HOWARD CNTY CMTY COLLEGE	119	0	0	0	0	0	0	119	0	0	0	0	0
JOHNS HOPKINS UNIV	45,548	0	1,930	50	2,243	0	168	34,397	63	2,254	2,866	445	122
[illegible]	[illegible]	0	[illegible]	0	[illegible]	0	0	[illegible]	0	0	0	0	0

MAINE, TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BATES COL	261	0	0	0	0	0	0	259	0	0	2	0	0
BOWDOIN COL	744	0	0	0	4	0	0	465	0	0	275	0	0
COLBY COL	144	0	0	0	0	0	0	51	0	0	93	0	0
HUSSON COL	52	0	0	0	0	0	0	52	0	0	0	0	0
MAINE MARITIME ACADEMY	373	0	0	344	0	0	0	29	0	0	0	0	0
NASSON COL	26	0	0	0	0	0	0	26	0	0	0	0	0
NORTHERN CONSERV OF MUSIC	13	0	0	0	0	0	0	13	0	0	0	0	0
RICKER COL	25	0	0	0	0	0	0	25	0	0	0	0	0
ST FRANCIS COL	54	0	0	0	0	0	0	54	0	0	0	0	0
ST JOSEPHS COL	25	0	0	0	0	0	0	25	0	0	0	0	0
THOMAS COL	80	0	0	0	0	0	0	80	0	0	0	0	0
UNITY COLLEGE	14	0	0	0	0	0	0	14	0	0	0	0	0
UNIV MAINE, PRESQUE ISLE	93	0	0	0	0	0	0	91	0	0	2	0	0
UNIV OF MAINE AUGUSTA	14	0	0	0	0	0	0	14	0	0	0	0	0
UNIV OF MAINE MACHIAS	38	0	0	0	0	0	0	38	0	0	0	0	0
UNIV OF MAINE ORONO	3,728	1,842	4	0	10	0	59	1,413	100	42	220	0	38
UNIV OF MAINE PORTLAND	727	0	0	100	0	0	0	500	0	0	127	0	0
UNIV OF MAINE, FARMINGTON	245	0	0	0	0	0	0	245	0	0	0	0	0
UNIV OF MAINE, FORT KENT	36	0	0	0	0	0	0	36	0	0	0	0	0
WESTBROOK JR COL	140	0	0	0	0	0	0	140	0	0	0	0	0
MARYLAND, TOTAL	80,129	2,674	3,405	207	4,555	125	297	55,923	233	4,635	7,493	460	122
ALLEGANY COMM COL	150	0	0	0	0	0	0	150	0	0	0	0	0
ANNE ARUNDEL COMM COL	58	0	0	0	0	0	0	58	0	0	0	0	0
BALTIMORE COL OF COMMERCE	21	0	0	0	0	0	0	21	0	0	0	0	0
BOWIE STATE COL	649	0	0	0	0	0	0	593	0	56	0	0	0
CAPITOL INST OF TECH	16	0	0	0	0	0	0	16	0	0	0	0	0
CATONSVILLE COMM COL	320	0	0	0	0	0	0	310	0	0	10	0	0
CECIL COMMUNITY COLLEGE	61	0	0	0	0	0	0	61	0	0	0	0	0
CHARLES COUNTY COMM COL	136	0	0	0	0	0	44	15	0	0	77	0	0
CHESAPEAKE COLLEGE	57	0	0	0	13	0	0	34	0	0	10	0	0
COL OF NOTRE DAME OF MD	17	0	0	0	0	0	0	17	0	0	0	0	0
COLUMBIA UNION COL	185	0	0	0	0	0	0	159	0	10	16	0	0
COMM COL OF BALTIMORE	711	0	0	0	0	0	0	711	0	0	0	0	0
COPPIN STATE COL	557	0	0	0	0	0	0	557	0	0	0	0	0
ESSEX COMM COL	110	0	0	0	0	0	0	110	0	0	0	0	0
FREDERICK COMM COL	25	0	0	0	0	0	0	25	0	0	0	0	0
FROSTBURG STATE COL	142	0	0	0	0	0	0	142	0	0	0	0	0
GOUCHER COL	73	0	0	0	0	0	0	60	0	0	13	0	0
HAGERSTOWN JR COL	86	0	0	0	0	0	0	86	0	0	0	0	0
HARFORD JR COL	95	0	0	0	0	0	0	95	0	0	0	0	0
HOOD COL	34	0	0	0	0	0	0	34	0	0	0	0	0
HOWARD CNTY CMTY COLLEGE	119	0	0	0	0	0	0	119	0	0	0	0	0
JOHNS HOPKINS UNIV	45,548	0	1,030	50	2,243	0	168	36,307	63	2,254	2,866	445	122
LOYOLA COL	109	0	0	0	0	0	0	109	0	0	0	0	0
MARYLAND INST COL OF ART	93	0	0	0	0	0	0	93	0	0	0	0	0
MONTGOMERY COL-ROCKVILLE	125	0	0	0	0	0	0	125	0	0	0	0	0
MORGAN STATE COL	1,430	0	0	140	0	0	0	1,098	0	25	167	0	0
MT PROVIDENCE JR COL	80	0	0	0	0	0	0	80	0	0	0	0	0
MT ST AGNES COL	22	0	0	0	0	0	0	22	0	0	0	0	0
MT ST MARYS COL	19	0	0	0	0	0	0	19	0	0	0	0	0
NER ISRAEL RABBINICAL COL	66	0	0	0	0	0	0	66	0	0	0	0	0
PEABODY CONSERV OF MUSIC	39	0	0	0	0	0	0	39	0	0	0	0	0
PRINCE GEORGES COMM COL	129	0	0	0	0	0	0	129	0	0	0	0	0
SALISBURY STATE COL	31	0	0	0	0	0	0	31	0	0	0	0	0
ST JOHNS COL	34	0	0	0	0	0	0	22	0	0	12	0	0
ST JOSEPH COL	156	0	0	0	0	0	0	123	0	0	33	0	0
ST MARYS COL OF MD	32	0	0	0	0	0	0	30	0	0	2	0	0
TOWSON STATE COL	162	0	0	0	0	0	0	162	0	0	0	0	0
UNIV OF BALTIMORE	116	0	0	0	0	0	0	116	0	0	0	0	0
UNIV OF MD BALTIMORE	10,479	0	0	0	722	0	0	9,587	0	170	0	0	0
UNIV OF MD BALTIMORE CTY	197	0	0	0	0	0	0	141	0	0	56	0	0
UNIV OF MD COLLEGE PARK	16,877	2,660	2,375	17	1,577	125	85	3,504	170	2,120	4,229	15	0
UNIV OF MD EASTERN SHORE	484	14	0	0	0	0	0	470	0	0	0	0	0
VILLA JULIE COL	62	0	0	0	0	0	0	62	0	0	0	0	0
WASHINGTON COL	40	0	0	0	0	0	0	40	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER
MARYLAND													
WESTERN MARYLAND COL	177	0	0	0	0	0	0	175	0	0	2	0	0
MASSACHUSETTS, TOTAL	231,515	2,551	11,532	576	42,288	3,311	2,007	99,962	1,276	33,811	31,212	1,482	1,507
AMERICAN INTL COL	127	0	0	0	0	0	0	102	0	0	25	0	0
AMHERST COL	544	0	0	0	0	0	32	296	0	0	216	0	0
ANDOVER NEWTON THEOL SCH	31	0	0	0	0	0	0	31	0	0	0	0	0
ANNA MARIA COL FOR WOMEN	40	0	0	0	0	0	0	40	0	0	0	0	0
AQUINAS JR COLL OF BUS	11	0	0	0	0	0	0	11	0	0	0	0	0
ASSUMPTION COL	208	0	0	0	0	0	0	208	0	0	0	0	0
ATLANTIC UNION COL	205	0	0	0	0	0	0	195	0	0	10	0	0
BABSON COLLEGE	23	0	0	0	0	0	0	23	0	0	0	0	0
BAY PATH JR COL	38	0	0	0	0	0	0	38	0	0	0	0	0
BAY STATE JR COL BUSINESS	10	0	0	0	0	0	0	10	0	0	0	0	0
BECKER JR COL	4	0	0	0	0	0	0	4	0	0	0	0	0
BENTLEY COL OF ACCT & FIN	134	0	0	0	0	0	0	134	0	0	0	0	0
BERKLEE COLLEGE OF MUSIC	54	0	0	0	0	0	0	54	0	0	0	0	0
BERKSHIRE CHRISTIAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
BERKSHIRE COMM COL	48	0	0	0	0	0	0	48	0	0	0	0	0
BOSTON ARCHITECTURAL CTR	2	0	0	0	0	0	0	2	0	0	0	0	0
BOSTON COL	5,677	0	61	0	1,105	373	0	3,586	0	38	506	0	8
BOSTON STATE COLLEGE	293	0	0	0	0	0	0	283	0	0	10	0	0
BOSTON UNIV	15,445	0	26	0	277	0	0	14,259	0	196	599	88	0
BRANDEIS UNIV	5,603	0	328	0	89	0	0	3,693	0	25	1,127	0	341
BRIDGEWATER STATE COLLEGE	152	0	0	0	0	0	0	81	0	0	71	0	0
BRISTOL COMM COL	198	0	0	0	0	0	0	198	0	0	0	0	0
BRYANT&STRATTON JC-BUS	14	0	0	0	0	0	0	14	0	0	0	0	0
BRYANT-MCINTOSH JR COLL	4	0	0	0	0	0	0	4	0	0	0	0	0
BURDETT COL	2	0	0	0	0	0	0	2	0	0	0	0	0
CAMBRIDGE JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
CAPE COD COMM COL	104	0	0	0	0	0	0	104	0	0	0	0	0
CARDINAL CUSHING COL	8	0	0	0	0	0	0	8	0	0	0	0	0
CLARK UNIV	1,649	0	26	0	0	0	0	1,226	66	7	324	0	0
COL OF OUR LADY OF ELMS	345	0	0	0	0	0	0	345	0	0	0	0	0
COL OF THE HOLY CROSS	253	0	0	0	0	0	0	136	0	0	117	0	0
CURRY COL	37	0	0	0	0	0	0	37	0	0	0	0	0
DEAN JR COL	15	0	0	0	0	0	0	13	0	0	2	0	0
EASTERN NAZARENE COL	160	0	0	0	0	0	0	132	0	0	28	0	0
EMERSON COL	164	0	0	0	0	0	0	164	0	0	0	0	0
EMMANUEL COL	671	0	0	0	475	0	0	180	0	0	16	0	0
EPISCOPAL THEOL SCHOOL	11	0	0	0	0	0	0	11	0	0	0	0	0
FISHER JR COL	5	0	0	0	0	0	0	5	0	0	0	0	0
FITCHBURG STATE COLLEGE	109	0	0	0	0	0	0	107	0	0	2	0	0
FRAMINGHAM STATE COLLEGE	92	0	0	0	0	0	0	85	0	0	7	0	0
FRANKLIN INST OF BOSTON	17	0	0	0	0	0	0	17	0	0	0	0	0
GARLAND JR COL	8	0	0	0	0	0	0	8	0	0	0	0	0
GORDON COL	59	0	0	0	0	0	0	59	0	0	0	0	0
GORDON-CONWELL THEOL SEM	4	0	0	0	0	0	0	4	0	0	0	0	0
GRAHM JR COL	91	0	0	0	0	0	0	91	0	0	0	0	0
GREENFIELD COMM COL	94	0	0	0	0	0	0	94	0	0	0	0	0
HAMPSHIRE COLLEGE	332	0	0	0	0	123	0	177	0	0	32	0	0
HARVARD UNIV	54,037	0	1,918	102	3,318	868	516	35,760	36	5,065	5,645	100	709
HEBREW TCHRS COL	8	0	0	0	0	0	0	8	0	0	0	0	0
HELLENIC COL	42	0	0	0	0	0	0	42	0	0	0	0	0
HOLYOKE COMM COL	26	0	0	0	0	0	0	26	0	0	0	0	0
LASELL JR COL	7	0	0	0	0	0	0	7	0	0	0	0	0
LEICESTER JR COL	12	0	0	0	0	0	0	12	0	0	0	0	0
LESLEY COL	88	0	0	0	0	0	0	81	0	0	7	0	0
LOWELL STATE COLLEGE	117	0	0	0	0	0	0	117	0	0	0	0	0
LOWELL TECHNOLOGICAL INST	934	0	0	0	356	0	200	199	0	11	168	0	0
MASS BAY COMM COL	40	0	0	0	0	0	0	40	0	0	0	0	0
MASS COL OF ART	44	0	0	0	0	0	0	44	0	0	0	0	0

LOWELL STATE COLLEGE	117	0	0	0	0	0	0	117	0	0	0	0	0	
LOWELL TECHNOLOGICAL INST	934	0	0	0	356	0	200	199	0	11	168	0	0	
MASS BAY COMM COL	40	0	0	0	0	0	0	40	0	0	0	0	0	
MASS COL OF ART	44	0	0	0	0	0	0	44	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
BAY PATH JR COL	38	0	0	0	0	0	0	38	0	0	0	0	0	
BAY STATE JR COL BUSINESS	10	0	0	0	0	0	0	10	0	0	0	0	0	
BECKER JR COL	4	0	0	0	0	0	0	4	0	0	0	0	0	
BENTLEY COL OF ACCT & FIN	134	0	0	0	0	0	0	134	0	0	0	0	0	
BERKLEE COLLEGE OF MUSIC	54	0	0	0	0	0	0	54	0	0	0	0	0	
BERKSHIRE CHRISTIAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0	
BERKSHIRE COMM COL	48	0	0	0	0	0	0	48	0	0	0	0	0	
BOSTON ARCHITECTURAL CTR	2	0	0	0	0	0	0	2	0	0	0	0	0	
BOSTON COL	5,677	0	61	0	1,105	373	0	3,586	0	38	506	0	8	
BOSTON STATE COLLEGE	293	0	0	0	0	0	0	283	0	0	10	0	0	
BOSTON UNIV	15,445	0	26	0	277	0	0	14,259	0	196	599	88	0	
BRANDEIS UNIV	5,603	0	328	0	89	0	0	3,693	0	25	1,127	0	341	
BRIDGEWATER STATE COLLEGE	152	0	0	0	0	0	0	81	0	0	71	0	0	
BRISTOL COMM COL	198	0	0	0	0	0	0	198	0	0	0	0	0	
BRYANT&STRATTON JC-BUS	14	0	0	0	0	0	0	14	0	0	0	0	0	
BRYANT-MCINTOSH JR COLL	4	0	0	0	0	0	0	4	0	0	0	0	0	
BURDETT COL	2	0	0	0	0	0	0	2	0	0	0	0	0	
CAMBRIDGE JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0	
CAPE COD COMM COL	104	0	0	0	0	0	0	104	0	0	0	0	0	
CARDINAL CUSHING COL	8	0	0	0	0	0	0	8	0	0	0	0	0	
CLARK UNIV	1,649	0	26	0	0	0	0	1,226	66	7	324	0	0	
COL OF OUR LADY OF ELMS	345	0	0	0	0	0	0	345	0	0	0	0	0	
COL OF THE HOLY CROSS	253	0	0	0	0	0	0	136	0	0	117	0	0	
CURRY COL	37	0	0	0	0	0	0	37	0	0	0	0	0	
DEAN JR COL	15	0	0	0	0	0	0	13	0	0	2	0	0	
EASTERN NAZARENE COL	160	0	0	0	0	0	0	132	0	0	28	0	0	
EMERSON COL	164	0	0	0	0	0	0	164	0	0	0	0	0	
EMMANUEL COL	671	0	0	0	475	0	0	180	0	0	16	0	0	
EPISCOPAL THEOL SCHOOL	11	0	0	0	0	0	0	11	0	0	0	0	0	
FISHER JR COL	5	0	0	0	0	0	0	5	0	0	0	0	0	
FITCHBURG STATE COLLEGE	109	0	0	0	0	0	0	107	0	0	2	0	0	
FRAMINGHAM STATE COLLEGE	92	0	0	0	0	0	0	85	0	0	7	0	0	
FRANKLIN INST OF BOSTON	17	0	0	0	0	0	0	17	0	0	0	0	0	
GARLAND JR COL	8	0	0	0	0	0	0	8	0	0	0	0	0	
GORDON COL	59	0	0	0	0	0	0	59	0	0	0	0	0	
GORDON-CONWELL THEOL SEM	4	0	0	0	0	0	0	4	0	0	0	0	0	
GRAHM JR COL	91	0	0	0	0	0	0	91	0	0	0	0	0	
GREENFIELD COMM COL	94	0	0	0	0	0	0	94	0	0	0	0	0	
HAMPSHIRE COLLEGE	332	0	0	0	0	123	0	177	0	0	32	0	0	
HARVARD UNIV	54,037	0	1,918	102	3,318	868	516	35,760	36	5,065	5,645	100	709	
HEBREW TCHRS COL	8	0	0	0	0	0	0	8	0	0	0	0	0	
HELLENIC COL	42	0	0	0	0	0	0	42	0	0	0	0	0	
HOLYOKE COMM COL	26	0	0	0	0	0	0	26	0	0	0	0	0	
LASELL JR COL	7	0	0	0	0	0	0	[illegible]	0	0	0	0	0	
LEICESTER JR COL	12	0	0	0	0	0	0	[illegible]	0	0	0	0	0	
LESLEY COL	88	0	0	0	0	0	0	81	0	0	7	0	0	
LOWELL STATE COLLEGE	117	0	0	0	0	0	0	117	0	0	0	0	0	
LOWELL TECHNOLOGICAL INST	934	0	0	0	356	0	200	199	0	11	168	0	0	
MASS BAY COMM COL	40	0	0	0	0	0	0	40	0	0	0	0	0	
MASS COL OF ART	44	0	0	0	0	0	0	44	0	0	0	0	0	
MASS COL OF OPTOMETRY	571	0	0	0	0	0	0	571	0	0	0	0	0	
MASS COL OF PHARMACY	109	0	0	0	0	0	0	109	0	0	0	0	0	
MASS INST OF TECH	89,574	30	7,784	194	26,979	0	382	12,572	807	24,018	11,291	1,271	246	
MASS MARITIME ACAD	205	0	0	205	0	0	0	0	0	0	0	0	0	
MASSASOIT COMM COL	69	0	0	0	0	0	0	69	0	0	0	0	0	
MERRIMACK COL	110	0	0	0	0	0	0	98	0	0	12	0	0	
MOUNT IDA JR COL	3	0	0	0	0	0	0	3	0	0	0	0	0	
MOUNT WACHUSETT COMM COL	1,093	0	0	0	0	0	0	1,093	0	0	0	0	0	
MT HOLYOKE COL	168	0	0	0	0	0	0	150	0	0	18	0	0	
NEW ENGL CONSERV OF MUSIC	13	0	0	0	0	0	0	13	0	0	0	0	0	
NEW ENGLAND SCHOOL OF LAW	3	0	0	0	0	0	0	3	0	0	0	0	0	
NEWTON COLLEGE	669	0	0	0	0	0	0	57	0	0	612	0	0	
NEWTON JR COL	3	0	0	0	0	0	0	3	0	0	0	0	0	
NICHOLS COL OF BUS ADMIN	25	0	0	0	0	0	0	25	0	0	0	0	0	
NORTH ADAMS STATE COLLEGE	16	0	0	0	0	0	0	16	0	0	0	0	0	
NORTH SHORE COMM COL	207	0	0	0	0	0	0	207	0	0	0	0	0	
NORTHAMPTON JR COLLEGE	14	0	0	0	0	0	0	14	0	0	0	0	0	
NORTHEASTERN UNIV	5,025	0	65	0	823	173	54	2,736	0	113	936	0	125	
NORTHERN ESSEX COMM COL	70	0	0	0	0	0	0	70	0	0	0	0	0	
PERRY NORMAL SCH	17	0	0	0	0	0	0	17	0	0	0	0	0	
PINE MANOR JR COL	6	0	0	0	0	0	0	6	0	0	0	0	0	
QUINCY JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0	

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MASSACHUSETTS													
QUINSIGAMOND COMM COL	43	0	0	0	0	0	0	43	0	0	0	0	0
RADCLIFFE COLLEGE	90	0	0	0	0	0	0	64	0	0	26	0	0
REGIS COL	274	0	0	0	152	0	0	11[illegible]	0	0	11	0	0
SALEM STATE COLLEGE	449	0	0	0	0	0	0	418	0	0	31	0	0
SCH OF THE MUS FINE ARTS	39	0	0	0	0	0	0	39	0	0	0	0	0
SIMMONS COL	773	0	0	0	0	0	0	743	0	0	30	0	0
SIMONS ROCK	2	0	0	0	0	0	0	2	0	0	0	0	0
SMITH COL	720	0	0	0	0	0	0	657	0	0	63	0	0
SOUTHEASTERN MASS UNIV	355	0	50	0	0	0	0	293	0	0	12	0	0
SPRINGFIELD COL	404	0	0	0	0	0	0	374	0	0	30	0	0
SPRINGFIELD TECH COMM COL	36	0	0	0	0	0	0	36	0	0	0	0	0
ST JOHNS SEM	9	0	0	0	0	0	0	9	0	0	0	0	0
STEVENS COLLEGE	10	0	0	0	0	0	0	10	0	0	0	0	0
STONEHILL COL	118	0	0	0	0	0	0	102	0	0	16	0	0
SUFFOLK UNIV	177	0	0	0	0	0	0	147	0	0	30	0	0
SWAIN SCH OF DESIGN	18	0	0	0	0	0	0	18	0	0	0	0	0
TUFTS UNIV	12,985	0	355	0	247	1,774	76	9,941	0	50	492	0	50
U MASS MED SCH-WORCESTER	1,810	0	0	0	0	0	0	1,810	0	0	0	0	0
UNIV OF MASS AMHERST	9,741	2,521	258	0	598	0	482	3,240	247	202	2,283	0	0
UNIV OF MASS BOSTON	537	0	0	0	8	0	0	465	0	0	64	0	0
WELLESLEY COL	250	0	0	0	0	0	0	171	0	0	79	0	0
WENTWORTH COLLEGE OF TECH	19	0	0	0	0	0	0	19	0	0	0	0	0
WENTWORTH INST	1,279	0	0	0	987	0	0	86	0	0	206	0	0
WESTERN NEW ENGLAND COL	68	0	0	0	0	0	0	68	0	0	0	0	0
WESTFIELD STATE COLLEGE	160	0	0	0	0	0	0	140	0	0	20	0	0
WHEATON COL	48	0	0	0	0	0	0	31	0	0	17	0	0
WHEELOCK COL	29	0	0	0	0	0	0	29	0	0	0	0	0
WILLIAMS COL	269	0	0	0	16	0	0	79	0	0	146	0	28
WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
WORCESTER JR COL	3	0	0	0	0	0	0	3	0	0	0	0	0
WORCESTER POLYTECH INST	817	0	29	0	70	0	181	174	50	42	271	0	0
WORCESTER STATE COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
MICHIGAN, TOTAL	121,246	6,070	4,841	273	9,206	1,224	957	74,766	312	4,676	16,486	775	1,660
ADRIAN COL	55	0	0	0	0	0	0	38	0	0	17	0	0
ALBION COL	112	0	0	0	0	0	0	103	0	0	9	0	0
ALMA COL	242	0	0	0	0	0	0	227	0	0	15	0	0
ALPENA COMM COL	157	0	0	0	0	0	0	157	0	0	0	0	0
ANDREWS UNIV	133	0	0	0	0	0	0	133	0	0	0	0	0
AQUINAS COL	118	0	0	0	0	0	0	118	0	0	0	0	0
BAY DE NOC COMM COL	59	0	0	0	0	0	0	59	0	0	0	0	0
CALVIN COL	420	0	0	0	24	0	0	358	0	0	38	0	0
CENTRAL MICH UNIV	609	0	0	0	0	0	0	509	0	0	100	0	0
CONCORDIA LUTHERAN JR COL	7	0	0	0	0	0	0	7	0	0	0	0	0
CRANBROOK ACAD OF ART	59	0	0	0	0	0	0	59	0	0	0	0	0
DAVENPORT COL OF BUSINESS	153	0	0	0	0	0	0	153	0	0	0	0	0
DELTA COL	382	0	0	0	0	0	0	382	0	0	0	0	0
DETROIT COL OF BUSINESS	37	0	0	0	0	0	0	37	0	0	0	0	0
DETROIT INST OF TECH	165	0	0	0	0	0	0	165	0	0	0	0	0
DUNS SCOTUS COL	6	0	0	0	0	0	0	6	0	0	0	0	0
EASTERN MICHIGAN UNIV	1,412	0	0	0	0	0	0	1,086	0	21	305	0	0
FERRIS ST COL	762	0	0	0	0	0	0	758	0	0	4	0	0
GENESEE COMMUNITY COLLEGE	242	0	0	0	0	0	0	242	0	0	0	0	0
GLEN OAKS COMM COL	65	0	0	0	0	0	0	65	0	0	0	0	0
GOGEBIC COMM COL	97	0	0	0	0	0	0	97	0	0	0	0	0
GRAND RAPIDS BAPT COL	19	0	0	0	0	0	0	19	0	0	0	0	0
GRAND RAPIDS JR COL	887	0	0	0	0	0	0	887	0	0	0	0	0
GRAND VALLEY STATE COL	889	0	0	0	0	0	0	887	0	0	2	0	0
HENRY FORD COMM COL	74	0	0	0	0	0	0	74	0	0	0	0	0
HIGHLAND PARK COLLEGE	307	0	0	0	0	0	0	307	0	0	0	0	0
HILLSDALE COL	45	0	0	0	0	0	0	45	0	0	0	0	0
HOPE COL	515	0	0	[illegible]	0	0	18	214	0	0	283	0	0
JACKSON BUSINESS UNIV	4	0	0	0	0	0	0	4	0	0	0	0	0
JACKSON COMM COL	61	0	0	0	0	0	0	61	0	0	0	0	0
KALAMAZOO COL	174	0	0	0	0	0	0	159	0	0	15	0	0
KALAMAZOO VALLEY COMM COL	56	0	0	0	0	0	0	56	0	0	0	0	0
KELLOGG COMM COL	74	0	0	0	0	0	0	74	0	0	0	0	0
KIRTLAND COMM COL	26	0	0	0	0	0	0	26	0	0	0	0	0
LAKE MICHIGAN COL	244	0	0	0	0	0	0	244	0	0	0	0	0
LAKE SUPERIOR STATE COL	516	0	0	0	0	0	0	516	0	0	0	0	0
LANSING COMM COL	86	0	0	0	0	0	0	86	0	0	0	0	0
LAWRENCE INST OF TECH	54	0	0	0	0	0	0	54	0	0	0	0	0
MACOMB COUNTY COMM COL	1,125	0	0	0	0	0	0	1,115	0	0	10	0	0

LANSING COMM COL	86	0	0	0	0	0	0	86	0	0	0	0	0
LAWRENCE INST OF TECH	54	0	0	0	0	0	0	54	0	0	0	0	0
MACOMB COUNTY COMM COL	1,125	0	0	0	0	0	0	1,115	0	0	10	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	102	0	0	10	0	0
WENTWORTH INST	1,275	0	[illegible]	[illegible]	70	[illegible]	[illegible]	85	0	[illegible]	240	0	0
WESTERN NEW ENGLAND COL	68	0	0	0	0	0	0	68	0	0	0	0	0
WESTFIELD STATE COLLEGE	160	0	0	0	0	0	0	140	0	0	20	0	0
WHEATON COL	48	0	0	0	0	0	0	31	0	0	17	0	0
WHEELOCK COL	29	0	0	0	0	0	0	29	0	0	0	0	0
WILLIAMS COL	269	0	0	0	16	0	0	79	0	0	146	0	28
WOODS HOLE OCEAN INST	13,493	0	632	75	6,878	0	84	83	70	44	5,604	23	0
WORCESTER JR COL	3	0	0	0	0	0	0	3	0	0	0	0	0
WORCESTER POLYTECH INST	817	0	29	0	70	0	181	174	50	42	271	0	0
WORCESTER STATE COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
MICHIGAN, TOTAL	121,246	6,070	4,841	273	9,206	1,224	957	74,766	312	4,676	16,486	775	1,660
ADRIAN COL	55	0	0	[illegible]	0	0	0	38	0	0	17	0	0
ALBION COL	112	0	0	0	0	0	0	103	0	0	9	0	0
ALMA COL	242	0	0	0	0	0	0	227	0	0	15	0	0
ALPENA COMM COL	157	0	0	0	0	0	0	157	0	0	0	0	0
ANDREWS UNIV	133	0	0	0	0	0	0	133	0	0	0	0	0
AQUINAS COL	118	0	0	0	0	0	0	118	0	0	0	0	0
BAY DE NOC COMM COL	59	0	0	0	0	0	0	59	0	0	0	0	0
CALVIN COL	420	0	0	0	24	0	0	358	0	0	38	0	0
CENTRAL MICH UNIV	609	0	0	0	0	0	0	509	0	0	100	0	0
CONCORDIA LUTHERAN JR COL	7	0	0	0	0	0	0	7	0	0	0	0	0
CRANBROOK ACAD OF ART	59	0	0	0	0	0	0	59	0	0	0	0	0
DAVENPORT COL OF BUSINESS	153	0	0	0	0	0	0	153	0	0	0	0	0
DELTA COL	382	0	0	0	0	0	0	382	0	0	0	0	0
DETROIT COL OF BUSINESS	37	0	0	0	0	0	0	37	0	0	0	0	0
DETROIT INST OF TECH	165	0	0	0	0	0	0	165	0	0	0	0	0
DUNS SCOTUS COL	6	0	0	0	0	0	0	6	0	0	0	0	0
EASTERN MICHIGAN UNIV	1,412	0	0	0	0	0	0	1,086	0	21	305	0	0
FERRIS ST COL	762	0	0	0	0	0	0	758	0	0	4	0	0
GENESEE COMMUNITY COLLEGE	242	0	0	0	0	0	0	242	0	0	0	0	0
GLEN OAKS COMM COL	65	0	0	0	0	0	0	65	0	0	0	0	0
GOGEBIC COMM COL	97	0	0	0	0	0	0	97	0	0	0	0	0
GRAND RAPIDS BAPT COL	19	0	0	0	0	0	0	19	0	0	0	0	0
GRAND RAPIDS JR COL	887	0		0	0	0	0	887	0	0	0	0	0
GRAND VALLEY STATE COL	889	0		0	0	0	0	887	0	0	2	0	0
HENRY FORD COMM COL	74	0		0	0	0	0	74	0	0	0	0	0
HIGHLAND PARK COLLEGE	307	0	0	0	0	0	0	307	0	0	0	0	0
HILLSDALE COL	45	0	0	0	0	0	0	45	0	0	0	0	0
HOPE COL	515	0	0	0	0	0	18	214	0	0	283	0	0
JACKSON BUSINESS UNIV	4	0	0	0	0	0	0	4	0	0	0	0	0
JACKSON COMM COL	61	0	0	0	0	0	0	61	0	0	0	0	0
KALAMAZOO COL	174	0	0	0	0	0	0	159	0	0	15	0	0
KALAMAZOO VALLEY COMM COL	56	0	0	0	0	0	0	56	0	0	0	0	0
KELLOGG COMM COL	74	0	0	0	0	0	0	74	0	0	0	0	0
KIRTLAND COMM COL	26	0	0	0	0	0	0	26	0	0	0	0	0
LAKE MICHIGAN COL	244	0	0	0	0	0	0	244	0	0	0	0	0
LAKE SUPERIOR STATE COL	516	0	0	0	0	0	0	516	0	0	0	0	0
LANSING COMM COL	86	0	0	0	0	0	0	86	0	0	0	0	0
LAWRENCE INST OF TECH	54	0	0	0	0	0	0	54	0	0	0	0	0
MACOMB COUNTY COMM COL	1,125	0	0	0	0	0	0	1,115	0	0	10	0	0
MADONNA COL	112	0	0	0	0	0	0	102	0	0	10	0	0
MARYGROVE COL	118	0	0	0	0	0	0	116	0	0	2	0	0
MERCY COL OF DETROIT	370	0	0	0	0	0	0	360	0	0	10	0	0
MERRILL-PALMER INST	2	0	0	0	0	0	0	2	0	0	0	0	0
MICH COL OSTEOPATHIC MED	232	0	0	0	29	0	0	203	0	0	0	0	0
MICH TECHNOLOGICAL UNIV	852	49	92	0	42	0	0	391	16	0	262	0	0
MICHIGAN CHRISTIAN JR COL	15	0	0	0	0	0	0	15	0	0	0	0	0
MICHIGAN STATE UNIV	26,810	5,930	1,835	0	256	306	353	13,315	166	69	3,408	211	961
MID-MICH COMMUNITY COL	16	0	0	0	0	0	0	16	0	0	0	0	0
MONROE COUNTY COMM COL	30	0	0	0	0	0	0	30	0	0	0	0	0

TABLE 8-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DED	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MICHIGAN													
MONTCALM COMMUNITY COL	30	0	0	0	0	0	0	30	0	0	0	0	0
MUSKEGON BUSINESS COL	3	0	0	0	0	0	0	3	0	0	0	0	0
MUSKEGON COMMUNITY COL	94	0	0	0	0	0	0	94	0	0	0	0	0
NAZARETH COL	106	0	0	0	0	0	0	106	0	0	0	0	0
NORTH CENTRAL MICH COL	36	0	0	0	0	0	0	36	0	0	0	0	0
NORTHERN MICHIGAN UNIV	882	0	0	0	0	0	0	869	0	0	13	0	0
NORTHWESTERN MICH COL	132	0	0	95	0	0	0	37	0	0	0	0	0
NORTHWOOD INST	71	0	0	0	0	0	0	71	0	0	0	0	0
OAKLAND COMM COL	326	0	0	0	0	0	0	326	0	0	0	0	0
OAKLAND UNIV	1,363	0	30	0	0	0	0	1,074	0	0	259	0	0
OLIVET COL	96	0	0	0	0	0	0	96	0	0	0	0	0
OSSO COL	42	0	0	0	0	0	0	42	0	0	0	0	0
SACRED HEART SEM	39	0	0	0	0	0	0	39	0	0	0	0	0
SAGINAW VALLEY COL	65	0	0	0	0	0	0	65	0	0	0	0	0
SCHOOLCRAFT COL	78	0	0	0	0	0	0	78	0	0	0	0	0
SHAW COLLEGE AT DETROIT	557	0	0	0	0	0	0	555	0	0	2	0	0
SIENA HEIGHTS COL	318	0	0	0	0	0	0	318	0	0	0	0	0
SOCIETY OF ARTS & CRAFTS	7	0	0	0	0	0	0	7	0	0	0	0	0
SOUTHWESTERN MICH COL	34	0	0	0	0	0	0	34	0	0	0	0	0
SPRING ARBOR COL	78	0	0	0	0	0	0	78	0	0	0	0	0
ST CLAIR COUNTY COMM COL	98	0	0	0	0	0	0	98	0	0	0	0	0
SLOMI COL	186	0	0	0	0	0	0	186	0	0	0	0	0
UNIV OF DETROIT	1,721	0	3	0	42	0	0	1,508	0	0	168	0	0
UNIV OF MICHIGAN	60,881	91	2,792	178	8,320	741	556	32,365	130	4,541	10,219	360	588
WALSH COL ACCTGABUS ADMIN	6	0	0	0	0	0	0	6	0	0	0	0	0
WASHTENAW COMM COL	183	0	0	0	0	0	0	183	0	0	0	0	0
WAYNE COUNTY CNTY COLLEGE	607	0	0	0	0	0	0	607	0	0	0	0	0
WAYNE STATE UNIV	11,865	0	89	0	403	177	30	9,971	0	45	835	204	111
WEST SHORE COMMUNITY COLL	25	0	0	0	0	0	0	25	0	0	0	0	0
WESTERN MICH UNIV	2,312	0	0	0	90	0	0	1,722	0	0	500	0	0
MINNESOTA, TOTAL	84,098	5,187	1,850	0	1,715	347	1,028	65,217	458	2,882	4,627	159	628
ANOKA-RAMSEY ST JR COL	119	0	0	0	0	0	0	119	0	0	0	0	0
AUGSBURG COL	243	0	0	0	0	0	0	243	0	0	0	0	0
AUSTIN ST JUNIOR COLLEGE	58	0	0	0	0	0	0	58	0	0	0	0	0
BEMIDJI STATE COL	1,120	0	0	0	0	120	11	984	5	0	0	0	0
BETHANY LUTHERAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
BETHEL COL & SEM	119	0	0	0	0	0	0	82	0	0	37	0	0
BRAINERD ST JUNIOR COL	39	0	0	0	0	0	0	39	0	0	0	0	0
CARLETON COL	300	0	0	0	0	0	0	105	0	0	195	0	0
COL OF ST BENEDICT	298	0	0	0	0	0	0	296	0	0	2	0	0
COL OF ST CATHERINE	277	0	0	0	0	0	0	277	0	0	0	0	0
COL OF ST SCHOLASTICA	223	0	0	0	0	0	0	221	0	0	2	0	0
COL OF ST TERESA	366	0	0	0	0	0	0	273	0	0	93	0	0
COL OF ST THOMAS	234	0	0	0	0	0	0	234	0	0	0	0	0
CONCORDIA COL, MOORHEAD	195	0	0	0	0	0	0	193	0	0	2	0	0
CONCORDIA COL, ST PAUL	70	0	0	0	0	0	0	70	0	0	0	0	0
CORBETT COLLEGE	1	0	0	0	0	0	0	1	0	0	0	0	0
CROSSER SEM	7	0	0	0	0	0	0	7	0	0	0	0	0
FERGUS FALLS STATE JR COL	27	0	0	0	0	0	0	27	0	0	0	0	0
GLUEN VALLEY LUTHRAN COL	18	0	0	0	0	0	0	18	0	0	0	0	0
GUSTAVUS ADOLPHUS COL	217	0	0	0	0	0	0	201	0	0	16	0	0
HAMLINE UNIV	489	0	0	0	0	0	0	152	0	0	337	0	0
HIBBING STATE JR COLLEGE	48	0	0	0	0	0	0	48	0	0	0	0	0
ITASCO STATE JR COLLEGE	39	0	0	0	0	0	0	39	0	0	0	0	0
IVER HILLS ST JR COLLEGE	37	0	0	0	0	0	0	37	0	0	0	0	0
LAKEWOOD STATE JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0
LEA COLLEGE	53	0	0	0	0	0	0	53	0	0	0	0	0
M CALESTER COL	562	0	0	0	0	0	0	478	0	0	84	0	0
MANKATO STATE COL	915	0	0	0	0	0	0	866	0	0	49	0	0
MARTIN LUTHER COL	8	0	0	0	0	0	0	8	0	0	0	0	0
MESABI STATE JR COL	79	0	0	0	0	0	0	79	0	0	0	0	0
METROPOLITAN ST JR COL	121	0	0	0	0	0	0	121	0	0	0	0	0
MINNEAPOLIS C-ART DESIGN	32	0	0	0	0	0	0	32	0	0	0	0	0
MOORHEAD STATE COL	579	0	0	0	0	0	0	563	0	0	16	0	0
NORMANDALE STATE JR COL	861	0	0	0	0	0	0	861	0	0	0	0	0
NORTH HENNEPIN ST JR COL	52	0	0	0	0	0	0	52	0	0	0	0	0
NORTHLAND STATE JR COL	26	0	0	0	0	0	0	26	0	0	0	0	0
RAINY RIVER STATE JR COL	25	0	0	0	0	0	0	25	0	0	0	0	0

NORTH HENNEPIN ST JR COL	52	0	0	0	0	0	0	52	0	0	0	0	0
NORTHLAND STATE JR COL	26	0	0	0	0	0	0	26	0	0	0	0	0
RAINY RIVER STATE JR COL	25	0	0	0	0	0	0	25	0	0	0	0	0
SOCIETY OF ARTS & CRAFTS	7	0	0	0	0	0	0	7	0	0	0	0	0
SOUTHWESTERN MICH COL	34	0	0	0	0	0	0	34	0	0	0	0	0
SPRING ARBOR COL	78	0	0	0	0	0	0	78	0	0	0	0	0
ST CLAIR COUNTY COMM COL	98	0	0	0	0	0	0	98	0	0	0	0	0
SLOMI COL	186	0	0	0	0	0	0	186	0	0	0	0	0
UNIV OF DETROIT	1,721	0	3	0	42	0	0	1,508	0	0	168	0	0
UNIV OF MICHIGAN	60,881	91	2,792	178	8,320	741	556	32,365	130	4,541	10,219	360	588
WALSH COL ACCTG&BUS ADMIN	6	0	0	0	0	0	0	6	0	0	0	0	0
WASHTENAW COMM COL	183	0	0	0	0	0	0	183	0	0	0	0	0
WAYNE COUNTY CMTY COLLEGE	607	0	0	0	0	0	0	607	0	0	0	0	0
WAYNE STATE UNIV	11,865	0	89	0	403	177	30	9,971	0	45	835	204	111
WEST SHORE COMMUNITY COLL	25	0	0	0	0	0	0	25	0	0	0	0	0
WESTERN MICH UNIV	2,312	0	0	0	90	0	0	1,722	0	0	500	0	0
MINNESOTA, TOTAL	84,098	5,187	1,850	0	1,715	347	1,028	65,217	458	2,882	4,627	159	628
ANOKA-RAMSEY ST JR COL	119	0	0	0	0	0	0	119	0	0	0	0	0
AUGSBURG COL	243	0	0	0	0	0	0	243	0	0	0	0	0
AUSTIN ST JUNIOR COLLEGE	58	0	0	0	0	0	0	58	0	0	0	0	0
BEMIDJI STATE COL	1,120	0	0	0	0	120	11	984	5	0	0	0	0
BETHANY LUTHERAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
BETHEL COL & SEM	119	0	0	0	0	0	0	82	0	0	37	0	0
BRAINERD ST JUNIOR COL	39	0	0	0	0	0	0	39	0	0	0	0	0
CARLETON COL	300	0	0	0	0	0	0	105	0	0	195	0	0
COL OF ST BENEDICT	298	0	0	0	0	0	0	296	0	0	2	0	0
COL OF ST CATHERINE	277	0	0	0	0	0	0	277	0	0	0	0	0
COL OF ST SCHOLASTICA	223	0	0	0	0	0	0	221	0	0	2	0	0
COL OF ST TERESA	366	0	0	0	0	0	0	273	0	0	93	0	0
COL OF ST THOMAS	234	0	0	0	0	0	0	234	0	0	0	0	0
CONCORDIA COL, MOORHEAD	195	0	0	0	0	0	0	193	0	0	2	0	0
CONCORDIA COL, ST PAUL	70	0	0	0	0	0	0	70	0	0	0	0	0
CORBETT COLLEGE	1	0	0	0	0	0	0	1	0	0	0	0	0
CROSIER SEM	7	0	0	0	0	0	0	7	0	0	0	0	0
FERGUS FALLS STATE JR COL	27	0	0	0	0	0	0	27	0	0	0	0	0
GOLDEN VALLEY LUTHRAN COL	18	0	0	0	0	0	0	18	0	0	0	0	0
GUSTAVUS ADOLPHUS COL	217	0	0	0	0	0	0	201	0	0	16	0	0
HAMLINE UNIV	489	0	0	0	0	0	0	152	0	0	337	0	0
HIBBING STATE JR COLLEGE	48	0	0	0	0	0	0	48	0	0	0	0	0
ITASCO STATE JR COLLEGE	39	0	0	0	0	0	0	39	0	0	0	0	0
IVER HILLS ST JR COLLEGE	37	0	0	0	0	0	0	37	0	0	0	0	0
LAKEWOOD STATE JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0
LEA COLLEGE	53	0	0	0	0	0	0	53	0	0	0	0	0
MACALESTER COL	562	0	0	0	0	0	0	478	0	0	84	0	0
MANKATO STATE COL	915	0	0	0	0	0	0	866	0	0	49	0	0
MARTIN LUTHER COL	8	0	0	0	0	0	0	8	0	0	0	0	0
MESABI STATE JR COL	79	0	0	0	0	0	0	79	0	0	0	0	0
METROPOLITAN ST JR COL	121	0	0	0	0	0	0	121	0	0	0	0	0
MINNEAPOLIS C-ART DESIGN	32	0	0	0	0	0	0	32	0	0	0	0	0
MOORHEAD STATE COL	579	0	0	0	0	0	0	563	0	0	16	0	0
NORMANDALE STATE JR COL	861	0	0	0	0	0	0	861	0	0	0	0	0
NORTH HENNEPIN ST JR COL	52	0	0	0	0	0	0	52	0	0	0	0	0
NORTHLAND STATE JR COL	26	0	0	0	0	0	0	26	0	0	0	0	0
RAINY RIVER STATE JR COL	25	0	0	0	0	0	0	25	0	0	0	0	0
ROCHESTER ST JR COLL	537	0	0	0	0	0	0	537	0	0	0	0	0
SOUTHWEST MINN STATE COL	823	0	0	0	0	0	0	530	0	0	293	0	0
ST CLOUD STATE COL	562	0	0	0	0	0	0	489	0	0	73	0	0
ST JOHNS UNIV	566	0	0	0	0	0	0	564	0	0	2	0	0
ST MARYS COL	170	0	0	0	0	0	0	49	0	0	121	0	0
ST MARYS JR COL	331	0	0	0	0	0	0	331	0	0	0	0	0
ST OLAF COL	187	0	0	0	0	0	0	119	0	0	68	0	0
ST PAUL SEM	1	0	0	0	0	0	0	1	0	0	0	0	0
UNIV OF MINNESOTA	72 734	5,187	1,850	0	1,715	227	1,017	55,322	453	2,882	3,094	159	628
VERMILLION STATE JR COL	13	0	0	0	0	0	0	13	0	0	0	0	0
WILLMAR ST COMMUNITY COL	58	0	0	0	0	0	0	58	0	0	0	0	0
WINONA STATE COL	383	0	0	0	0	0	0	240	0	0	143	0	0
WORTHINGTON ST JR COLL	38	0	0	0	0	0	0	38	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MISSISSIPPI, TOTAL	29,623	6,782	16	72	417	633	190	19,910	100	197	1,306	0	0
ALCORN AGR & MECH COL	1,004	22	0	0	0	0	0	854	0	0	128	0	0
BELHAVEN COL	105	0	0	0	0	0	0	105	0	0	0	0	0
BLUE MOUNTAIN COL	26	0	0	0	0	0	0	26	0	0	0	0	0
CLARKE MEMORIAL COL	7	0	0	0	0	0	0	7	0	0	0	0	0
COAHOMA JR COL	496	0	0	0	0	0	0	496	0	0	0	0	0
COPIAH-LINCOLN JR COL	18	0	0	0	0	0	0	18	0	0	0	0	0
DELTA STATE COL	348	0	0	0	0	0	0	348	0	0	0	0	0
EAST CENTRAL JR COL	27	0	0	0	0	0	0	27	0	0	0	0	0
EAST MISS JR COL	642	0	0	0	0	0	0	642	0	0	0	0	0
HINDS JR COL	168	0	0	0	0	0	0	168	0	0	0	0	0
HOLMES JR COL	126	0	0	0	0	0	0	126	0	0	0	0	0
ITAWAMBA JR COL	64	0	0	0	0	0	0	64	0	0	0	0	0
JACKSON STATE COL	1,517	0	0	0	0	0	0	1,463	0	0	54	0	0
JONES COUNTY JR COL	113	0	0	0	0	0	0	113	0	0	0	0	0
MARY HOLMES COLLEGE	1,379	0	0	0	0	633	0	746	0	0	0	0	0
MERIDIAN JR COL	357	0	0	0	0	0	0	357	0	0	0	0	0
MILLSAPS COL	157	0	0	0	0	0	0	147	0	0	10	0	0
MISS DELTA JR COL	161	0	0	0	0	0	0	161	0	0	0	0	0
MISS GLF CST JR COL DST	142	0	0	0	0	0	0	142	0	0	0	0	0
MISS ST COL FOR WOMEN	222	0	0	0	0	0	0	207	0	0	15	0	0
MISS VALLEY ST COL	970	0	0	0	0	0	0	928	0	0	42	0	0
MISSISSIPPI COL	120	0	0	0	0	0	0	108	0	0	12	0	0
MISSISSIPPI INDUS COL	137	0	0	0	0	0	0	137	0	0	0	0	0
MISSISSIPPI STATE UNIV	9,438	6,760	0	0	164	0	190	1,793	100	160	271	0	0
NATCHEZ JR COL	12	0	0	0	0	0	0	12	0	0	0	0	0
NORTHEAST MISS JR COL	110	0	0	0	0	0	0	110	0	0	0	0	0
NORTHWEST MISS JR COL	166	0	0	0	0	0	0	166	0	0	0	0	0
PEARL RIVER JR COL	53	0	0	0	0	0	0	53	0	0	0	0	0
PERKINSTON COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PRENTISS NORM & IND INST	189	0	0	0	0	0	0	189	0	0	0	0	0
RUST COL	1,038	0	0	0	0	0	0	1,031	0	0	7	0	0
SAINTS JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
SOUTHWEST MISS JR COL	17	0	0	0	0	0	0	17	0	0	0	0	0
TOUGALOO COL	827	0	0	0	0	0	0	827	0	0	0	0	0
UNIV OF MISSISSIPPI	8,297	0	16	72	253	0	0	7,267	0	15	674	0	0
UNIV OF SOUTHERN MISS	684	0	0	0	0	0	0	569	0	22	93	0	0
UTICA JR COL	300	0	0	0	0	0	0	300	0	0	0	0	0
WILLIAM CAREY COL	142	0	0	0	0	0	0	142	0	0	0	0	0
WOOD JR COL	25	0	0	0	0	0	0	25	0	0	0	0	0
MISSOURI, TOTAL	94,021	5,908	376	6	2,828	0	311	77,743	390	1,094	4,929	25	411
AVILA COL	192	0	0	0	0	0	0	192	0	0	0	0	0
CENTRAL BIBLE COLLEGE	96	0	0	0	0	0	0	96	0	0	0	0	0
CENTRAL METHODIST COL	41	0	0	0	0	0	0	39	0	0	2	0	0
CENTRAL MO STATE COL	553	0	0	0	0	0	0	545	0	0	8	0	0
COLUMBIA COLLEGE	14	0	0	0	0	0	0	14	0	0	0	0	0
CONCORDIA SEMINARY	58	0	0	0	0	0	0	58	0	0	0	0	0
COTTEY COL	10	0	0	0	0	0	0	10	0	0	0	0	0
CROWDER COL	50	0	0	0	0	0	0	50	0	0	0	0	0
CULVER-STOCKTON COL	75	0	0	0	0	0	0	75	0	0	0	0	0
DRURY COL	152	0	0	0	0	0	0	148	0	0	4	0	0
E CENTRAL JUNIOR COLLEGE	792	0	0	0	0	0	0	792	0	0	0	0	0
EDEN THEOLOGICAL SEMINARY	20	0	0	0	0	0	0	20	0	0	0	0	0
EVANGEL COL	238	0	0	0	0	0	0	238	0	0	0	0	0
FONTBONNE COL	133	0	0	0	0	0	0	133	0	0	0	0	0
HARRIS TCHRS COL	147	0	0	0	0	0	0	147	0	0	0	0	0
IMMACULATE CONCEPTION SEM	1	0	0	0	0	0	0	1	0	0	0	0	0
JEFFERSON COL	41	0	0	0	0	0	0	41	0	0	0	0	0
KANSAS CITY ART INST	169	0	0	0	0	0	0	169	0	0	0	0	0
KANSAS CITY COL OF OSTEOP	1,200	0	0	0	0	0	0	1,200	0	0	0	0	0
KIRKSVILLE COL OF OSTEOP	1,384	0	0	0	0	0	0	1,384	0	0	0	0	0
LINCOLN UNIV	807	18	0	0	0	0	0	769	0	0	20	0	0
LINDENWOOD COL	47	0	0	0	0	0	0	47	0	0	0	0	0
LONGVIEW COMMUNITY COL	11	0	0	0	0	0	0	11	0	0	0	0	0
MAPLE WOODS COMMUNITY COL	9	0	0	0	0	0	0	9	0	0	0	0	0
MARILLAC COL	6	0	0	0	0	0	0	6	0	0	0	0	0
MARYVILLE COL SAC HEART	67	0	0	0	0	0	0	67	0	0	0	0	0
MINERAL AREA COL	132	0	0	0	0	0	0	132	0	0	0	0	0
MISSOURI BAPTIST COL	46	0	0	0	0	0	0	46	0	0	0	0	0
MISSOURI SOUTHERN COL	60	0	0	0	0	0	0	60	0	0	0	0	0

MARYVILLE COL SAC HEART													
MINERAL AREA COL	132	0	0	0	0	0	0	132	0	0	0	0	0
MISSOURI BAPTIST COL	46	0	0	0	0	0	0	46	0	0	0	0	0
MISSOURI SOUTHERN COL	60	0	0	0	0	0	0	60	0	0	0	0	0
MISSOURI VALLEY COL	63	0	0	0	0	0	0	63	0	0	0	0	0
MISSOURI WESTERN COL	401	0	0	0	0	0	0	392	0	0	9	0	0
MOBERLY JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
NORTHEAST MO ST COL	543	0	0	0	0	0	0	415	0	0	128	0	0
NORTHWEST MO STATE COL	417	0	0	0	0	0	0	407	0	0	10	0	0
PARK COL	373	0	0	0	0	0	0	373	0	0	0	0	0
PENN VALLEY COMMUNITY COL	220	0	0	0	0	0	0	220	0	0	0	0	0
ROCKHURST COL	263	0	0	0	0	0	0	231	0	0	32	0	0
SCHOOL OF THE OZARKS	189	0	0	0	0	0	0	189	0	0	0	0	0
SOUTHEAST MO STATE COL	290	0	0	0	0	0	0	281	0	0	9	0	0
SOUTHWEST BAPTIST COL	216	0	0	0	0	0	0	216	0	0	0	0	0
SOUTHWEST MO STATE COL	502	0	0	0	0	0	0	484	0	0	18	0	0

MILLSAPS COL	157	0	0	0	0	0	0	147	0	0	10	0	0
MISS DELTA JR COL	161	0	0	0	0	0	0	161	0	0	0	0	0
MISS GLF CST JR COL OST	142	0	0	0	0	0	0	142	0	0	0	0	0
MISS ST COL FOR WOMEN	222	0	0	0	0	0	0	207	0	0	15	0	0
MISS VALLEY ST COL	970	0	0	0	0	0	0	928	0	0	42	0	0
MISSISSIPPI COL	120	0	0	0	0	0	0	108	0	0	12	0	0
MISSISSIPPI INDUS COL	137	0	0	0	0	0	0	137	0	0	0	0	0
MISSISSIPPI STATE UNIV	9,438	6,760	0	0	164	0	190	1,793	100	160	271	0	0
NATCHEZ JR COL	12	0	0	0	0	0	0	12	0	0	0	0	0
NORTHEAST MISS JR COL	110	0	0	0	0	0	0	110	0	0	0	0	0
NORTHWEST MISS JR COL	166	0	0	0	0	0	0	166	0	0	0	0	0
PEARL RIVER JR COL	53	0	0	0	0	0	0	53	0	0	0	0	0
PERKINSTON COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PRENTISS NORM & IND INST	189	0	0	0	0	0	0	189	0	0	0	0	0
RUST COL	1,038	0	0	0	0	0	0	1,031	0	0	7	0	0
SAINTS JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
SOUTHWEST MISS JR COL	17	0	0	0	0	0	0	17	0	0	0	0	0
TOUGALOO COL	827	0	0	0	0	0	0	827	0	0	0	0	0
UNIV OF MISSISSIPPI	8,297	0	16	72	253	0	0	7,267	0	15	674	0	0
UNIV OF SOUTHERN MISS	684	0	0	0	0	0	0	569	0	22	93	0	0
UTICA JR COL	300	0	0	0	0	0	0	300	0	0	0	0	0
WILLIAM CAREY COL	142	0	0	0	0	0	0	142	0	0	0	0	0
WOOD JR COL	25	0	0	0	0	0	0	25	0	0	0	0	0
MISSOURI, TOTAL	94,021	5,908	376	6	2,828	0	311	77,743	390	1,094	4,929	25	411
AVILA COL	192	0	0	0	0	0	0	192	0	0	0	0	0
CENTRAL BIBLE COLLEGE	96	0	0	0	0	0	0	96	0	0	0	0	0
CENTRAL METHODIST COL	41	0	0	0	0	0	0	39	0	0	2	0	0
CENTRAL MO STATE COL	553	0	0	0	0	0	0	545	0	0	8	0	0
COLUMBIA COLLEGE	14	0	0	0	0	0	0	14	0	0	0	0	0
CONCORDIA SEMINARY	58	0	0	0	0	0	0	58	0	0	0	0	0
COTTEY COL	10	0	0	0	0	0	0	10	0	0	0	0	0
CROWDER COL	50	0	0	0	0	0	0	50	0	0	0	0	0
CULVER-STOCKTON COL	75	0	0	0	0	0	0	75	0	0	0	0	0
DRURY COL	152	0	0	0	0	0	0	148	0	0	4	0	0
E CENTRAL JUNIOR COLLEGE	792	0	0	0	0	0	0	792	0	0	0	0	0
EDEN THEOLOGICAL SEMINARY	20	0	0	0	0	0	0	20	0	0	0	0	0
EVANGEL COL	238	0	0	0	0	0	0	238	0	0	0	0	0
FONTBONNE COL	133	0	0	0	0	0	0	133	0	0	0	0	0
HARRIS TCHRS COL	147	0	0	0	0	0	0	147	0	0	0	0	0
IMMACULATE CONCEPTION SEM	1	0	0	0	0	0	0	1	0	0	0	0	0
JEFFERSON COL	41	0	0	0	0	0	0	41	0	0	0	0	0
KANSAS CITY ART INST	169	0	0	0	0	0	0	169	0	0	0	0	0
KANSAS CITY COL OF OSTEOP	1,200	0	0	0	0	0	0	1,200	0	0	0	0	0
KIRKSVILLE COL OF OSTEOP	1,384	0	0	0	0	0	0	1,384	0	0	0	0	0
LINCOLN UNIV	807	18	0	0	0	0	0	769	0	0	20	0	0
LINDENWOOD COL	47	0	0	0	0	0	0	47	0	0	0	0	0
LONGVIEW COMMUNITY COL	11	0	0	0	0	0	0	11	0	0	0	0	0
MAPLE WOODS COMMUNITY COL	9	0	0	0	0	0	0	9	0	0	0	0	0
MARILLAC COL	6	0	0	0	0	0	0	6	0	0	0	0	0
MARYVILLE COL SAC HEART	67	0	0	0	0	0	0	67	0	0	0	0	0
MINERAL AREA COL	132	0	0	0	0	0	0	132	0	0	0	0	0
MISSOURI BAPTIST COL	46	0	0	0	0	0	0	46	0	0	0	0	0
MISSOURI SOUTHERN COL	60	0	0	0	0	0	0	60	0	0	0	0	0
MISSOURI VALLEY COL	63	0	0	0	0	0	0	63	0	0	0	0	0
MISSOURI WESTERN COL	401	0	0	0	0	0	0	392	0	0	9	0	0
MOBERLY JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
NORTHEAST MO ST COL	543	0	0	0	0	0	0	415	0	0	128	0	0
NORTHWEST MO STATE COL	417	0	0	0	0	0	0	407	0	0	10	0	0
PARK COL	373	0	0	0	0	0	0	373	0	0	0	0	0
PENN VALLEY COMMUNITY COL	220	0	0	0	0	0	0	220	0	0	0	0	0
ROCKHURST COL	263	0	0	0	0	0	0	231	0	0	32	0	0
SCHOOL OF THE OZARKS	189	0	0	0	0	0	0	189	0	0	0	0	0
SOUTHEAST MO STATE COL	290	0	0	0	0	0	0	281	0	0	9	0	0
SOUTHWEST BAPTIST COL	216	0	0	0	0	0	0	216	0	0	0	0	0
SOUTHWEST MO STATE COL	502	0	0	0	0	0	0	484	0	0	18	0	0

TABLE E-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MISSOURI													
ST LOUIS COL OF PHARMACY	348	0	0	0	0	0	0	343	0	0	5	0	0
ST LOUIS JR COLLEGE DIST	868	0	0	0	0	0	0	813	0	0	55	0	0
ST LOUIS UNIV	18,044	0	0	0	92	0	0	17,511	0	0	431	0	10
ST MARYS COL OF OFALLON	27	0	0	0	0	0	0	27	0	0	0	0	0
ST PAULS COL	19	0	0	0	0	0	0	19	0	0	0	0	0
STATE FAIR COMM COLLEGE	7	0	0	0	0	0	0	7	0	0	0	0	0
STEPHENS COL	38	0	0	0	0	0	0	38	0	0	0	0	0
TARKIO COL	144	0	0	0	0	0	0	118	0	0	26	0	0
THREE RIVERS JR COL	119	0	0	0	0	0	0	119	0	0	0	0	0
TRENTON JR COL	23	0	0	0	0	0	0	23	0	0	0	0	0
UNIV OF MISSOURI COLUMBIA	22,348	5,890	40	6	915	0	140	13,551	180	192	1,340	10	84
UNIV OF MISSOURI KAN CITY	10,766	0	0	0	0	0	21	10,618	33	26	68	0	0
UNIV OF MISSOURI ROLLA	1,606	0	56	0	246	0	107	219	177	0	786	15	0
UNIV OF MISSOURI ST LOUIS	452	0	0	0	36	0	43	263	0	0	95	0	15
UNIV OF MO GEN SYS	380	0	0	0	0	0	0	367	0	0	13	0	0
WASHINGTON UNIV	28,480	0	279	0	1,539	0	0	23,616	0	876	1,868	0	302
WEBSTER COL	152	0	0	0	0	0	0	152	0	0	0	0	0
WESTMINSTER COL	46	0	1	0	0	0	0	45	0	0	0	0	0
WILLIAM JEWELL COL	53	0	0	0	0	0	0	51	0	0	2	0	0
WILLIAM WOODS COL	64	0	0	0	0	0	0	64	0	0	0	0	0
MONTANA, TOTAL	9,712	1,935	52	3	156	0	247	5,275	395	23	1,626	0	0
CARROLL COL	393	0	0	0	0	0	0	393	0	0	0	0	0
COL OF GREAT FALLS	79	0	0	0	0	0	0	79	0	0	0	0	0
DAWSON COL	24	0	0	0	0	0	0	24	0	0	0	0	0
EASTERN MONTANA COL	1,096	0	0	0	0	0	0	1,090	0	0	6	0	0
FLATHEAD VALLEY COMM COL	162	0	0	0	0	0	0	138	0	0	24	0	0
MILES COMMUNITY COL	10	0	0	0	0	0	0	10	0	0	0	0	0
MONTANA COL MINERAL SCI	96	0	0	0	0	0	0	76	0	8	12	0	0
MONTANA STATE UNIV	4,789	1,925	49	3	156	0	191	1,515	363	0	587	0	0
NORTHERN MONTANA COL	114	0	0	0	0	0	0	114	0	0	0	0	0
ROCKY MOUNTAIN COL	62	0	0	0	0	0	0	62	0	0	0	0	0
UNIV OF MONTANA	2,730	10	3	0	0	0	56	1,619	32	15	995	0	0
WESTERN MONTANA COL	157	0	0	0	0	0	0	155	0	0	2	0	0
NEBRASKA, TOTAL	28,371	3,244	50	20	92	0	64	23,740	183	15	720	0	243
BELLEVUE COLLEGE	11	0	0	0	0	0	0	11	0	0	0	0	0
CENTRAL NEB TECHNICAL COL	17	0	0	0	0	0	0	17	0	0	0	0	0
CHADRON STATE COL	394	0	0	0	0	0	0	394	0	0	0	0	0
COL OF ST MARY	271	0	0	0	0	0	0	271	0	0	0	0	0
CONCORDIA TCHRS COL	54	0	0	0	0	0	0	52	0	0	2	0	0
CREIGHTON UNIV	9,199	0	0	0	0	0	0	9,184	0	0	15	0	0
DANA COL	56	0	0	0	0	0	0	56	0	0	0	0	0
DOANE COL	233	0	0	0	0	0	0	233	0	0	0	0	0
FAIRBURY JR COL	31	0	0	0	0	0	0	31	0	0	0	0	0
HASTINGS COL	60	0	0	0	0	0	0	60	0	0	0	0	0
HIRAM SCOTT COL	5	0	0	0	0	0	0	5	0	0	0	0	0
JOHN F KENNEDY COL	67	0	0	0	0	0	0	67	0	0	0	0	0
KEARNEY STATE COL	303	0	0	0	0	0	0	301	0	0	2	0	0
MCCOOK COLLEGE	7	0	0	0	0	0	0	7	0	0	0	0	0
MIDLAND LUTHERAN COL	107	0	0	0	0	0	0	105	0	0	2	0	0
NEBRASKA WESLEYAN UNIV	265	0	0	0	0	0	0	154	0	0	111	0	0
NEBRASKA WESTERN COLLEGE	180	0	0	0	0	0	0	180	0	0	0	0	0
NORTH PLATTE JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
NORTHEASTERN NEBRASKA COL	57	0	0	0	0	0	0	57	0	0	0	0	0
PERSHING COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PERU STATE COL	128	0	0	0	0	0	0	128	0	0	0	0	0
PLATTE JR COL	298	0	0	0	0	0	0	298	0	0	0	0	0
U OF NEB MED CTR AT OMAHA	5,697	0	0	0	0	0	23	5,674	0	0	0	0	0
UNION COL	115	0	0	0	0	0	0	113	0	0	2	0	0
UNIV OF NEBRASKA CEN SYS	248	0	0	0	0	0	0	0	0	0	5	0	243
UNIV OF NEBRASKA-LINCOLN	9,699	3,244	50	20	77	0	41	5,469	183	15	580	0	0
UNIV OF NEBRASKA-OMAHA	407	0	0	0	15	0	0	391	0	0	1	0	0
WAYNE STATE COL	227	0	0	0	0	0	0	227	0	0	0	0	0
YORK COL	216	0	0	0	0	0	0	216	0	0	0	0	0

WAYNE STATE COL	227	0	0	0	0	0	0	227	0	0	0	0	0
YORK COL	216	0	0	0	0	0	0	216	0	0	0	0	0
WILLIAM WOODS COL	64	0	0	0	0	0	0	64	0	0	0	0	0
MONTANA, TOTAL	9,712	1,935	52	3	156	0	247	5,275	395	23	1,626	0	0
CARROLL COL	393	0	0	0	0	0	0	393	0	0	0	0	0
COL OF GREAT FALLS	79	0	0	0	0	0	0	79	0	0	0	0	0
DAWSON COL	24	0	0	0	0	0	0	24	0	0	0	0	0
EASTERN MONTANA COL	1,096	0	0	0	0	0	0	1,090	0	0	6	0	0
FLATHEAD VALLEY COMM COL	162	0	0	0	0	0	0	138	0	0	24	0	0
MILES COMMUNITY COL	10	0	0	0	0	0	0	10	0	0	0	0	0
MONTANA COL MINERAL SCI	96	0	0	0	0	0	0	76	0	8	12	0	0
MONTANA STATE UNIV	4,789	1,925	49	3	156	0	191	1,515	363	0	587	0	0
NORTHERN MONTANA COL	114	0	0	0	0	0	0	114	0	0	0	0	0
ROCKY MOUNTAIN COL	62	0	0	0	0	0	0	62	0	0	0	0	0
UNIV OF MONTANA	2,730	10	3	0	0	0	56	1,619	32	15	995	0	0
WESTERN MONTANA COL	157	0	0	0	0	0	0	155	0	0	2	0	0
NEBRASKA, TOTAL	28,371	3,244	50	20	92	0	64	23,740	183	15	720	0	243
BELLEVUE COLLEGE	11	0	0	0	0	0	0	11	0	0	0	0	0
CENTRAL NEB TECHNICAL COL	17	0	0	0	0	0	0	17	0	0	0	0	0
CHADRON STATE COL	394	0	0	0	0	0	0	394	0	0	0	0	0
COL OF ST MARY	271	0	0	0	0	0	0	271	0	0	0	0	0
CONCORDIA TCHRS COL	54	0	0	0	0	0	0	52	0	0	2	0	0
CREIGHTON UNIV	9,199	0	0	0	0	0	0	9,184	0	0	15	0	0
DANA COL	56	0	0	0	0	0	0	56	0	0	0	0	0
DOANE COL	233	0	0	0	0	0	0	233	0	0	0	0	0
FAIRBURY JR COL	31	0	0	0	0	0	0	31	0	0	0	0	0
HASTINGS COL	60	0	0	0	0	0	0	60	0	0	0	0	0
HIRAM SCOTT COL	5	0	0	0	0	0	0	5	0	0	0	0	0
JOHN F KENNEDY COL	67	0	0	0	0	0	0	67	0	0	0	0	0
KEARNEY STATE COL	303	0	0	0	0	0	0	301	0	0	2	0	0
MCCOOK COLLEGE	7	0	0	0	0	0	0	7	0	0	0	0	0
MIDLAND LUTHERAN COL	107	0	0	0	0	0	0	105	0	0	2	0	0
NEBRASKA WESLEYAN UNIV	265	0	0	0	0	0	0	154	0	0	111	0	0
NEBRASKA WESTERN COLLEGE	180	0	0	0	0	0	0	180	0	0	0	0	0
NORTH PLATTE JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
NORTHEASTERN NEBRASKA COL	57	0	0	0	0	0	0	57	0	0	0	0	0
PERSHING COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PERU STATE COL	128	0	0	0	0	0	0	128	0	0	0	0	0
PLATTE JR COL	298	0	0	0	0	0	0	298	0	0	0	0	0
U OF NEB MED CTR AT OMAHA	5,697	0	0	0	0	0	23	5,674	0	0	0	0	0
UNION COL	115	0	0	0	0	0	0	113	0	0	2	0	0
UNIV OF NEBRASKA CEN SYS	248	0	0	0	0	0	0	0	0	0	5	0	243
UNIV OF NEBRASKA-LINCOLN	9,699	3,244	50	20	77	0	41	5,489	183	15	580	0	0
UNIV OF NEBRASKA-OMAHA	407	0	0	0	15	0	0	391	0	0	1	0	0
WAYNE STATE COL	227	0	0	0	0	0	0	227	0	0	0	0	0
YORK COL	216	0	0	0	0	0	0	216	0	0	0	0	0
NEVADA, TOTAL	6,261	992	226	26	311	0	46	2,936	988	6	730	0	0
DESERT RESEARCH INSTITUTE	818	0	0	26	0	0	46	0	286	0	460	0	0
ELKO COMMUNITY COLLEGE	82	0	0	0	0	0	0	82	0	0	0	0	0
SIERRA NEVADA COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
UNIV OF NEV RENO CAMPUS	4,815	992	179	0	311	0	0	2,399	702	0	232	0	0
UNIV OF NEVADA CEN SYS	58	0	0	0	0	0	0	22	0	0	36	0	0
UNIV OF NEVADA LAS VEGAS	483	0	47	0	0	0	0	428	0	6	2	0	0
NEW HAMPSHIRE, TOTAL	19,357	1,329	41	258	498	0	69	13,684	133	1,188	2,157	0	0
BELKNAP COL	36	0	0	0	0	0	0	36	0	0	0	0	0
COLBY JR COL FOR WOMEN	4	0	0	0	0	0	0	4	0	0	0	0	0
DARTMOUTH COL	12,485	0	31	0	426	0	22	10,220	33	147	1,606	0	0
FRANCONIA COL	29	0	0	0	0	0	0	29	0	0	0	0	0
FRANKLIN PIERCE COL	53	0	0	0	0	0	0	53	0	0	0	0	0

TABLE B-22
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
NEW HAMPSHIRE													
KEENE STATE COLLEGE	126	0	0	0	0	0	0	126	0	0	0	0	0
MT ST MARY COL	89	0	0	0	0	0	0	89	0	0	0	0	0
N H VOC INST MANCHESTER	2	0	0	0	0	0	0	2	0	0	0	0	0
N H VOC INST PORTSMOUTH	4	0	0	0	0	0	0	4	0	0	0	0	0
NATHANIEL HAWTHORNE COL	50	0	0	0	0	0	0	48	0	0	2	0	0
NEW ENGLAND AERONAUT INST	29	0	0	0	0	0	0	29	0	0	0	0	0
NEW ENGLAND COL	82	0	0	0	0	0	0	77	0	0	5	0	0
NEW HAMPSHIRE COLLEGE	481	0	0	0	0	0	0	462	0	0	19	0	0
NEW HAMPSHIRE TECH INST	19	0	0	0	0	0	0	19	0	0	0	0	0
NOTRE DAME COL	193	0	0	0	0	0	0	193	0	0	0	0	0
PLYMOUTH STATE COLLEGE	77	0	0	0	0	0	0	67	0	0	10	0	0
RIVIER COL	29	0	0	0	0	0	0	29	0	0	0	0	0
ST ANSELMOS COL	332	0	0	0	0	0	0	326	0	0	6	0	0
ST ANTHONY SEMINARY	28	0	0	0	28	0	0	0	0	0	0	0	0
UNIV OF N H DURHAM	5,201	1,329	10	258	44	0	47	1,863	100	1,041	509	0	0
WHITE PINES COLLEGE	8	0	0	0	0	0	0	8	0	0	0	0	0
NEW JERSEY, TOTAL	55,629	2,574	2,801	267	2,900	531	493	32,779	196	3,615	9,197	255	21
ALPHONSUS COL	13	0	0	0	0	0	0	13	0	0	0	0	0
ATLANTIC COMM COL	84	0	0	0	0	0	0	84	0	0	0	0	0
BERGEN COMMUNITY COLLEGE	75	0	0	0	0	0	0	75	0	0	0	0	0
BETH MEDRASH GEVOHA AMER	153	0	0	0	0	0	0	153	0	0	0	0	0
BLOOMFIELD COL	321	0	0	0	0	0	0	321	0	0	0	0	0
BROOKDALE COMMUNITY COLL	116	0	0	0	0	0	0	116	0	0	0	0	0
BURLINGTON COUNTY COL	72	0	0	0	0	0	0	59	0	0	13	0	0
CALDWELL COLLEGE	51	0	0	0	0	0	0	51	0	0	0	0	0
CAMDEN COUNTY COL	211	0	0	0	0	0	0	211	0	0	0	0	0
COL OF ST ELIZABETH	157	0	0	0	0	0	0	137	0	0	20	0	0
COUNTY COL OF MORRIS	24	0	0	0	0	0	0	24	0	0	0	0	0
CUMBERLAND COUNTY COL	108	0	0	0	0	0	0	100	0	0	8	0	0
DON BOSCO COL	2	0	0	0	0	0	0	2	0	0	0	0	0
DREW UNIV	266	0	0	0	0	0	0	64	0	0	202	0	0
ENGLEWOOD CLIFFS COLLEGE	8	0	0	0	0	0	0	8	0	0	0	0	0
ESSEX COUNTY COLLEGE	937	0	0	0	0	0	0	924	0	0	13	0	0
FAIRLEIGH DICKINSON UNIV	644	0	0	0	0	0	0	615	0	0	29	0	0
FELICIAN COL	8	0	0	0	0	0	0	8	0	0	0	0	0
GEORGIAN COURT COL	28	0	0	0	0	0	0	26	0	0	2	0	0
GLASSBORO STATE COL	442	0	0	0	0	0	0	386	0	0	56	0	0
GLOUCESTER COUNTY COL	80	0	0	0	0	0	0	80	0	0	0	0	0
JERSEY CITY STATE COL	715	0	0	0	34	0	0	673	0	0	8	0	0
LUTHER COL BIBLE LIB ARTS	10	0	0	0	0	0	0	10	0	0	0	0	0
MERCER COUNTY COMM COL	949	0	0	0	0	0	0	932	0	0	17	0	0
MIDDLESEX COUNTY COL	675	0	0	0	0	0	0	662	0	0	13	0	0
MONMOUTH COL	179	0	0	0	20	0	0	133	0	0	26	0	0
MONTCLAIR STATE COL	896	0	0	0	0	0	0	788	0	0	108	0	0
N J COL OF MEDDENTISTRY	4,953	0	0	0	0	0	0	4,926	0	0	27	0	0
NEWARK COL OF ENGINEERING	467	0	0	0	30	0	32	90	0	52	115	148	0
NEWARK STATE COL	319	0	0	0	0	0	0	312	0	0	7	0	0
NORTHEASTERN COL BIBLE IN	20	0	0	0	0	0	0	20	0	0	0	0	0
OCEAN COUNTY COL	75	0	0	0	0	0	0	75	0	0	0	0	0
PRINCETON THEOL SEM	19	0	0	0	0	0	0	19	0	0	0	0	0
PRINCETON UNIV	16,145	0	2,564	64	1,968	0	48	4,469	0	3,424	3,494	107	7
RAMAPO COLLEGE OF N J	30	0	0	0	0	0	0	30	0	0	0	0	0
RICHARD STOCKTON ST COLL	45	0	0	0	0	0	0	45	0	0	0	0	0
RIDER COL	175	0	0	0	0	0	0	146	0	0	29	0	0
RUTGERS UNIVERSITY	19,489	2,574	94	0	267	531	368	11,225	196	110	4,110	0	14
SETON HALL UNIV	1,769	0	0	0	12	0	0	1,676	0	0	81	0	0
SOMERSET COUNTY COL	27	0	0	0	0	0	0	16	0	0	11	0	0
ST PETERS COL	1,289	0	0	0	569	0	0	690	0	0	30	0	0
STEVENS INST OF TECH	1,105	0	143	203	0	0	45	233	0	29	452	0	0
TOMBROCK COL	46	0	0	0	0	0	0	46	0	0	0	0	0
TRENTON STATE COL	1,554	0	0	0	0	0	0	1,473	0	0	81	0	0
UNION COL	143	0	0	0	0	0	0	136	0	0	7	0	0
UNION COUNTY TECH INST	13	0	0	0	0	0	0	0	0	0	13	0	0
UPSALA COL	349	0	0	0	0	0	0	131	0	0	218	0	0
WALSH COLLEGE	6	0	0	0	0	0	0	6	0	0	0	0	0
WESTMINSTER CHOIR COL	20	0	0	0	0	0	0	20	0	0	0	0	0
WILLIAM PATERSON COLLEGE	347	0	0	0	0	0	0	340	0	0	7	0	0

WALSH COLLEGE	6	0	0	0	0	0	0	6	0	0	0	0	0
WESTMINSTER CHOIR COL	20	0	0	0	0	0	0	20	0	0	0	0	0
WILLIAM PATERSON COLLEGE	347	0	0	0	0	0	0	340	0	0	7	0	0
BERGEN COMMUNITY COLLEGE	75												
BETH MEDRASH GEVOHA AMER	153	0	0	0	0	0	0	153	0	0	0	0	0
BLOOMFIELD COL	321	0	0	0	0	0	0	321	0	0	0	0	0
BROOKDALE COMMUNITY COLL	116	0	0	0	0	0	0	116	0	0	0	0	0
BURLINGTON COUNTY COL	72	0	0	0	0	0	0	59	0	0	13	0	0
CALDWELL COLLEGE	51	0	0	0	0	0	0	51	0	0	0	0	0
CAMDEN COUNTY COL	211	0	0	0	0	0	0	211	0	0	0	0	0
COL OF ST ELIZABETH	157	0	0	0	0	0	0	137	0	0	20	0	0
COUNTY COL OF MORRIS	24	0	0	0	0	0	0	24	0	0	0	0	0
CUMBERLAND COUNTY COL	108	0	0	0	0	0	0	100	0	0	8	0	0
DON BOSCO COL	2	0	0	0	0	0	0	2	0	0	0	0	0
DREW UNIV	266	0	0	0	0	0	0	64	0	0	202	0	0
ENGLEWOOD CLIFFS COLLEGE	8	0	0	0	0	0	0	8	0	0	0	0	0
ESSEX COUNTY COLLEGE	937	0	0	0	0	0	0	924	0	0	13	0	0
FAIRLEIGH DICKINSON UNIV	644	0	0	0	0	0	0	615	0	0	29	0	0
FELICIAN COL	8	0	0	0	0	0	0	8	0	0	0	0	0
GEORGIAN COURT COL	28	0	0	0	0	0	0	26	0	0	2	0	0
GLASSBORO STATE COL	442	0	0	0	0	0	0	386	0	0	56	0	0
GLOUCESTER COUNTY COL	80	0	0	0	0	0	0	80	0	0	0	0	0
JERSEY CITY STATE COL	715	0	0	0	34	0	0	673	0	0	8	0	0
LUTHER COL BIBLE LIB ARTS	10	0	0	0	0	0	0	10	0	0	0	0	0
MERCER COUNTY COMM COL	949	0	0	0	0	0	0	932	0	0	17	0	0
MIDDLESEX COUNTY COL	675	0	0	0	0	0	0	662	0	0	13	0	0
MONMOUTH COL	179	0	0	0	20	0	0	133	0	0	26	0	0
MONTCLAIR STATE COL	896	0	0	0	0	0	0	788	0	0	108	0	0
N J COL OF MED&DENTISTRY	4,953	0	0	0	0	0	0	4,926	0	0	27	0	0
NEWARK COL OF ENGINEERING	467	0	0	0	30	0	32	90	0	52	115	148	0
NEWARK STATE COL	319	0	0	0	0	0	0	312	0	0	7	0	0
NORTHEASTERN COL BIBLE IN	20	0	0	0	0	0	0	20	0	0	0	0	0
OCEAN COUNTY COL	75	0	0	0	0	0	0	75	0	0	0	0	0
PRINCETON THEOL SEM	19	0	0	0	0	0	0	19	0	0	0	0	0
PRINCETON UNIV	16,145	0	2,564	64	1,968	0	48	4,469	0	3,424	3,494	107	7
RAMAPO COLLEGE OF N J	30	0	0	0	0	0	0	30	0	0	0	0	0
RICHARD STOCKTON ST COLL	45	0	0	0	0	0	0	45	0	0	0	0	0
RIDER COL	175	0	0	0	0	0	0	146	0	0	29	0	0
RUTGERS UNIVERSITY	19,489	2,574	94	0	267	531	368	11,225	196	110	4,110	0	14
SETON HALL UNIV	1,769	0	0	0	12	0	0	1,676	0	0	81	0	0
SOMERSET COUNTY COL	27	0	0	0	0	0	0	16	0	0	11	0	0
ST PETERS COL	1,289	0	0	0	569	0	0	690	0	0	30	0	0
STEVENS INST OF TECH	1,105	0	143	203	0	0	45	233	0	29	452	0	0
TOMBROCK COL	46	0	0	0	0	0	0	46	0	0	0	0	0
TRENTON STATE COL	1,554	0	0	0	0	0	0	1,473	0	0	81	0	0
UNION COL	143	0	0	0	0	0	0	136	0	0	7	0	0
UNION COUNTY TECH INST	13	0	0	0	0	0	0	0	0	0	13	0	0
UPSALA COL	349	0	0	0	0	0	0	131	0	0	218	0	0
WALSH COLLEGE	6	0	0	0	0	0	0	6	0	0	0	0	0
WESTMINSTER CHOIR COL	20	0	0	0	0	0	0	20	0	0	0	0	0
WILLIAM PATERSON COLLEGE	347	0	0	0	0	0	0	340	0	0	7	0	0
NEW MEXICO, TOTAL	26,254	1,992	72	20	6,501	987	87	11,732	926	2,393	1,780	164	0
COL OF ARTESIA	42	0	0	0	0	0	0	42	0	0	0	0	0
COL OF SANTA FE	566	0	0	0	0	0	0	564	0	0	2	0	0
EASTERN NEW MEXICO UNIV	1,252	0	0	0	0	676	0	563	0	0	13	0	0
NEW MEX INST MINING & TEC	1,154	0	3	0	587	0	0	72	0	7	485	0	0
NEW MEXICO HIGHLANDS UNIV	630	0	7	0	0	0	0	550	0	0	73	0	0
NEW MEXICO JR COL	19	0	0	0	0	0	0	19	0	0	0	0	0
NEW MEXICO MILITARY INST	11	0	0	0	0	0	0	11	0	0	0	0	0
NEW MEXICO STATE UNIV	10,672	1,992	2	0	4,418	0	71	1,482	926	1,634	458	89	0
UNIV OF ALBUQUERQUE	800	0	0	0	24	0	0	766	0	0	10	0	0
UNIV OF NEW MEXICO	11,005	0	60	20	1,472	311	16	7,561	0	752	738	75	0
WESTERN NEW MEXICO UNIV	103	0	0	0	0	0	0	102	0	0	1	0	0

TABLE B-22

CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1971
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DED	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
NEW YORK, TOTAL	339,996	7,610	15,898	1,271	17,144	1,421	1,704	241,751	728	7,109	41,393	416	3,551
ACADEMY OF AERONAUTICS	3	0	0	0	0	0	0	3	0	0	0	0	0
ADELPHI UNIV	1,591	0	0	0	0	0	51	1,349	0	0	191	0	0
ALBANY COL OF PHARMACY	279	0	0	0	0	0	0	279	0	0	0	0	0
ALBANY LAW SCHOOL	8	0	0	0	0	0	0	8	0	0	0	0	0
ALBANY MEDICAL COL	4,840	0	0	0	0	0	0	4,830	0	0	10	0	0
ALFRED UNIV	218	0	0	0	0	0	0	196	0	0	22	0	0
BANK STREET COL OF ED	809	0	0	0	0	356	0	440	0	0	13	0	0
BARD COL	39	0	0	0	0	0	0	39	0	0	0	0	0
BARNARD COL	191	0	0	0	10	0	0	115	0	0	66	0	0
BENNETT COL	9	0	0	0	0	0	0	9	0	0	0	0	0
BRIARCLIFF COL	8	0	0	0	0	0	0	8	0	0	0	0	0
BROOKLYN LAW SCHOOL	10	0	0	0	0	0	0	10	0	0	0	0	0
CANISIUS COL	364	0	0	0	0	0	0	327	0	0	37	0	0
CATH COL IMMAC CONCEPTION	20	0	0	0	0	0	0	20	0	0	0	0	0
CAZENOVIA COL	11	0	0	0	0	0	0	9	0	0	2	0	0
CEN YESH TOM TMIMIM LUBUZ	95	0	0	0	0	0	0	95	0	0	0	0	0
CLARKSON COL OF TECH	1,130	0	129	0	112	0	124	316	7	25	417	0	0
COL OF MT ST VINCENT	54	0	0	0	0	0	0	54	0	0	0	0	0
COL OF NEW ROCHELLE	41	0	0	0	0	0	0	41	0	0	0	0	0
COL OF PHARMACEUTICAL SCI	97	0	0	0	0	0	0	87	0	0	10	0	0
COL OF ST ROSE	48	0	0	0	0	0	0	46	0	0	2	0	0
COLG ROCH-BEXLEY-CROZER	34	0	0	0	0	0	0	34	0	0	0	0	0
COLGATE UNIV	209	0	0	0	0	0	0	97	0	0	112	0	0
COLUMBIA UNIV	52,219	0	4,996	428	3,952	700	74	31,354	90	2,402	7,929	0	386
COLUMBIA UNIV CEN SYS	6	0	0	0	0	0	0	6	0	0	0	0	0
CONCORDIA COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
COOPER UNION	115	0	0	0	0	0	22	73	0	0	20	0	0
CORNELL UNIV	41,367	7,362	1,579	2	3,304	0	225	17,272	297	907	9,844	0	573
CUNY BAPUCH COL	13	0	0	0	0	0	0	13	0	0	0	0	0
CUNY BORO OF MAN COMM COL	147	0	0	0	0	0	0	147	0	0	0	0	0
CUNY BRONX COMM COL	254	0	0	0	0	0	0	254	0	0	0	0	0
CUNY BROOKLYN COL	449	0	64	0	0	0	0	172	0	0	213	0	0
CUNY CENTRAL SYSTEM	13,993	0	0	0	81	0	52	13,665	0	0	195	0	0
CUNY CITY COL	577	0	60	0	28	0	0	54	0	56	379	0	0
CUNY GRAD SCH & UNIV CTR	591	0	0	0	0	0	0	591	0	0	0	0	0
CUNY HUNTER COL	1,064	0	0	0	0	0	0	939	0	0	125	0	0
CUNY JOHN JAY C CRIM JUST	67	0	0	0	0	0	0	67	0	0	0	0	0
CUNY KINGSBORO COMM COL	180	0	0	0	0	0	0	180	0	0	0	0	0
CUNY LEHMAN COL	96	0	0	0	0	0	0	50	0	0	46	0	0
CUNY MT SINAI SCH OF MED	10,988	0	12	0	176	0	4	10,708	0	10	78	0	0
CUNY N Y CITY CMTY COL	270	0	0	0	0	0	0	267	0	0	3	0	0
CUNY QUEENS COL	419	0	0	0	0	0	0	248	0	0	171	0	0
CUNY QUEENSBORO COMM COL	250	0	0	0	0	0	0	250	0	0	0	0	0
CUNY RICHMOND COL	11	0	0	0	0	0	0	0	0	0	11	0	0
CUNY STATEN ISL COMM COL	197	0	0	0	0	0	0	195	0	0	2	0	0
CUNY YORK COL	50	0	0	0	0	0	0	0	0	0	50	0	0
DAYCOVILLE COL	347	0	0	0	0	0	0	345	0	0	2	0	0
DOMINICAN COL OF BLAUVELT	15	0	0	0	0	0	0	14	0	0	1	0	0
DOWLING COLLEGE	257	0	0	0	0	0	0	255	0	2	0	0	0
DUDLEY OBSERVATORY	1,015	0	0	0	0	0	0	0	0	932	83	0	0
EISENHOWER COL	50	0	0	0	0	0	0	50	0	0	0	0	0
ELIZABETH SETON COL	7	0	0	0	0	0	0	7	0	0	0	0	0
ELMIRA COL	54	0	0	0	0	0	0	54	0	0	0	0	0
FINCH COL	4	0	0	0	0	0	0	4	0	0	0	0	0
FORDHAM UNIV	1,958	0	0	0	0	0	0	1,637	0	157	164	0	0
FRIENDS WORLD COLLEGE	8	0	0	0	0	0	0	8	0	0	0	0	0
GOOD COUNSEL COL	20	0	0	0	0	0	0	20	0	0	0	0	0
HAMILTON COL	79	0	0	0	0	0	0	22	0	0	57	0	0
HARRIMAN COLLEGE	12	0	0	0	0	0	0	12	0	0	0	0	0
HARTWICK COL	138	0	0	0	0	0	0	138	0	0	0	0	0
HILBERT COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
HOBART AND WM SMITH COL	38	0	0	0	0	0	0	28	0	0	10	0	0
HOFSTRA UNIV	749	0	0	0	0	0	0	628	0	0	121	0	0
HOSTOS COMMUNITY COLLEGE	72	0	0	0	0	0	0	72	0	0	0	0	0
HOUGHTON COL	49	0	0	0	0	0	0	49	0	0	0	0	0
ICNA COL	100	0	0	0	0	0	0	100	0	0	0	0	0
ITHACA COL	371	0	0	0	0	0	0	359	0	0	12	0	0