

DEPARTMENT OF THE INTERIOR  
BUREAU OF EDUCATION

BULLETIN, 1929, No. 13

LAND-GRANT COLLEGES  
AND UNIVERSITIES

YEAR ENDED JUNE 30  
1928

By

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IN HIGHER EDUCATION



UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1929

Available by the Superintendent of Documents, Washington, D. C. . . . . Price 15 cents

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## LETTER OF TRANSMITTAL

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DEPARTMENT OF THE INTERIOR,  
BUREAU OF EDUCATION,  
*Washington, D. C., April 1, 1929.*

SIR: By the Federal land grant act of July 2, 1862, each State received a grant of land for the purpose of endowing at least one college of agriculture and mechanic arts. The second Morrill Act of 1890 provided for an annual appropriation to each State which was increased by the Nelson amendment of 1907. Since 1911 each State has received \$50,000 annually from the United States Treasury for salaries and for facilities for instruction in certain specified subjects in the land-grant colleges and universities.

Annual reports on these funds and on the condition of the colleges are required by law to be made to the Secretary of the Interior and the Secretary of Agriculture. These reports are edited, consolidated, and interpreted for the benefit of those interested in the progress of the land-grant institutions.

I recommend that this 1927-28 report prepared by Dr. Walter J. Greenleaf, associate specialist in higher education, be published as a bulletin of the United States Bureau of Education.

Respectfully submitted.

WM. JOHN COOPER, *Commissioner.*

The SECRETARY OF THE INTERIOR.

v

# THE LAND-GRANT COLLEGES AND UNIVERSITIES

YEAR ENDED JUNE 30, 1928

## Part I. GENERAL.

*The 1862 land grant act.*—When President Lincoln affixed his signature on July 2, 1862, the first Morrill Act providing for the establishment of the land-grant colleges became law. Each State was entitled to receive an amount of land or land scrip equal to 30,000 acres for each Senator and Representative in Congress to which it was then entitled. The proceeds from the sale of the land constituted a permanent fund which is continually invested at a reasonable rate of interest. The act restricted the use of the income, but carried no provision for Federal supervision. Consequently many of the records became confused or consolidated with the records of other funds. On June 21, 1912, the Acting Secretary of the Interior ruled that the act of 1890 (second Morrill Act) was supplementary to the act of 1862 and therefore any default in the provisions of the act of 1862 renders the State liable to noncertification for the annual installments of the funds appropriated by the acts of 1890 and 1907 (Nelson amendment). Since 1912 reports have been required on the receipts and expenditures of money made available by the land grant act of 1862. The present status of these funds is shown by States in Table 2. To date the States have received land or land scrip to the amount of 10,598,295 acres; of this land 884,779 acres remain unsold. The total amount of the 1862 fund, not including the value of unsold land, is now \$20,756,850. Amounts from other Federal land grants total \$9,299,908. The total income from the 1862 fund in 1927-28, including income on invested funds, income from rentals, etc., interest on deferred payments of purchase money (excluding balances for the previous year), was \$1,094,553.37. For detailed statement see Table 9 for institutions attended by white students, and Table 25 for land-grant colleges for negroes.

*Morrill-Nelson appropriations.*—The second Morrill Act (1890) and the Nelson amendment (1907) provide for Federal supervision of the expenditures of the appropriations. The Secretary of the Interior is charged with the proper administration of the law. Each year the States and Territories which have complied with the requirements and are eligible for the appropriations are certified to the Secretary

of the Treasury, who then pays the annual allotment of \$50,000 to each. In 17 Southern States the allotments are divided between separate land-grant colleges for white students and for negro students. Should the Secretary of the Interior fail for any reason to certify a State, a report is made to the President of the United States and the State in question may then appeal to Congress for adjustment. Reports on Federal funds are required on or before September 1 of each year, and additional reports on the condition and progress of the institutions are required of each college president.

For the year ended June 30, 1928, the Morrill-Nelson appropriation and earnings totaled \$2,522,407.14, of which \$250,598.48 was received by the land-grant colleges for negroes. For detailed statement see Table 10 for institutions attended by white students and Table 23 for land-grant colleges for negroes. Ninety-nine per cent of these Federal funds is spent for salaries of teachers. Six institutions, located in Alaska, Georgia, New Jersey, New Mexico, New York, and Texas, spent \$25,817 for facilities for instruction such as materials, supplies, and equipment.

The funds can not be spent for items other than the seven mentioned below. The States themselves make whatever distribution they consider appropriate to meet their respective needs. The proportion is immaterial so long as the terms of the act are met. For comparison the proportions spent in 1928 and 20 years before are shown:

	Percentages in—	
	1908	1928
Natural and physical sciences.....	24.9	28.1
Engineering and mechanic arts.....	27.8	27.3
Agriculture.....	19.3	20.4
English language.....	10.7	9.7
Mathematical science.....	11.0	7.8
Economic science.....	5.0	5.8
Teacher preparation in agriculture and mechanic arts.....	.7	.9
Total.....	100.0	100.0

### SURVEY OF LAND-GRANT COLLEGES AND UNIVERSITIES

The comprehensive survey of the 69 land-grant colleges which was made possible by a Federal appropriation of \$117,000 (July 1, 1927) is now under way. The several divisions of the survey cover administration, finances, students, graduates, subject-matter fields, graduate instruction, research, and adult education. In the spring of 1928 many leaders in land-grant colleges and specialists were called to Washington and questionnaires were developed in the Bureau of Education. These questionnaires were forwarded to the survey committee in each institution which became responsible for the returns.

The large percentage of returns now on file in the bureau, the careful manner in which detailed information is presented, and the cooperative spirit of the faculties which filled out the questionnaires, point to a successful conclusion of the study. The 40,000 returns that have been received from graduates and ex-students of the land-grant colleges will add much of human interest to the survey by revealing the activities and achievements of the human product of these institutions. Tabulation of completed questionnaires has been under way for some time and will for the most part be completed by the end of the fiscal year. June 30, 1930, is the final date for the completion of the survey. Already considerable interest in the survey has been shown by research investigators and graduate students in many of the leading institutions. It is planned to make available to these individuals the vast amount of material now on file in the Bureau of Education when the survey is finally completed.

#### ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES

The forty-first annual convention of the Association of Land-grant Colleges and Universities was held November 15-17, 1927, at Chicago. The general topic—"The solution of present-day problems, and the contributions by land-grant institutions"—was discussed at length by representatives of the different phases of education offered in the land-grant colleges. The various papers which were read and discussions which followed are published in the proceedings of the association, and may be obtained through the secretary, Dean C. A. McCue, University of Delaware, Newark, Del.

#### NEW FEDERAL LEGISLATION

Since the publication of the last annual report, two new acts benefiting land-grant colleges have been passed by Congress: (1) The Capper-Ketcham Act, approved May 22, 1928, and (2) an act for the benefit of the land-grant college in Alaska, approved January 21, 1929. The text of these acts follows:

##### CAPPER-KETCHAM ACT

An Act To provide for the further development of agricultural extension work between the agricultural colleges in the several States receiving the benefits of the Act entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and the mechanic arts," approved July 2, 1862, and all Acts supplementary thereto, and the United States Department of Agriculture.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That in order to further develop the cooperative extension system as inaugurated under the Act entitled "An Act to provide for cooperative agricultural extension work between the agricultural colleges in the several States receiving the benefits of the Act of Congress approved July 2, 1862, and all Acts supplementary thereto, and the United States Department of Agriculture," approved May 8, 1914, there is hereby authorized to be appro-*

apropriated, out of any money in the Treasury not otherwise appropriated, for the purpose of paying the expenses of the cooperative extension work in agriculture and home economics, and the necessary printing and distributing of information in connection with the same, the sum of \$980,000 for each year, \$20,000 of which shall be paid annually, in the manner hereinafter provided, to each State and the Territory of Hawaii which shall by action of its legislature assent to the provisions of this Act. The payment of such installments of the appropriations hereinbefore made as shall become due to any State or Territory before the adjournment of the regular session of the legislature meeting next after the passage of this Act may, in the absence of prior legislative assent, be made upon the assent of the governor thereof, duly certified to the Secretary of the Treasury. There is hereby authorized to be appropriated for the fiscal year following that in which the foregoing appropriation first becomes available, and for each year thereafter, the sum of \$500,000. The additional sums appropriated under the provisions of this Act shall be subject to the same conditions and limitations as the additional sums appropriated under such Act of May 8, 1914, except that (1) at least 80 per centum of all appropriations under this Act shall be utilized for the payment of salaries of extension agents in counties of the several States to further develop the cooperative extension system in agriculture and home economics with men, women, boys, and girls; (2) funds available to the several States and the Territory of Hawaii under the terms of this Act shall be so expended that the extension agents appointed under its provisions shall be men and women in fair and just proportions; (3) the restriction on the use of these funds for the promotion of agricultural trains shall not apply.

**SEC. 2.** The sums appropriated under the provisions of this Act shall be in addition to, and not in substitution for sums appropriated under such Act of May 8, 1914, or sums otherwise annually appropriated for cooperative agricultural extension work.

Approved, May 22, 1928. (PUBLIC—No. 475—70TH CONGRESS; H. R. 9495.)

#### ACT FOR THE BENEFIT OF THE LAND-GRANT COLLEGE IN ALASKA

An Act Making an additional grant of lands for the support and maintenance of the Agricultural College and School of Mines of the Territory of Alaska, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That in addition to the provision made by the Act of Congress approved March 4, 1915 (Thirty-eighth Statutes at Large, page 1214), for the use and benefit of the Agricultural College and School of Mines, there is hereby granted to the Territory of Alaska, for the exclusive use and benefit of the Agricultural College and School of Mines, one hundred thousand acres of vacant nonmineral surveyed unreserved public lands in the Territory of Alaska, to be selected, under the direction and subject to the approval of the Secretary of the Interior, by the Territory, and subject to the following conditions and limitations:

**SEC. 2.** That the college and school provided for in this Act shall forever remain under the exclusive control of the said Territory, and no part of the proceeds arising from the sale or disposal of any lands granted herein shall be used for the support of any sectarian or denominational college or school.

**SEC. 3** That it is hereby declared that all lands hereby granted to said Territory are hereby expressly transferred and confirmed to the said Territory and shall be by the said Territory held in trust, to be disposed of, in whole or in part only in the manner herein provided and for the objects specified in the granting provisions, and that the natural products and money proceeds of any of said lands shall be subject to the same trusts as the lands producing the same. Dis-

position of any of said lands or of any money or thing of value directly or indirectly derived therefrom for any object other than that for which such particular lands or the lands from which such money or thing of value shall have been derived or granted or in any manner contrary to the provisions of this Act shall be deemed a breach of trust.

SEC. 4. That no mortgage or other encumbrance of said lands shall be valid in favor of any person for any purpose or under any circumstances whatsoever. Said lands shall not be sold nor leased, in whole or in part, except to the highest bidder at public auction, notice of which public auction shall first have been duly given by advertisement, which shall set forth the nature, time, and place of the transaction to be had, with full description of the lands to be offered, published once each week for not less than ten successive weeks in a newspaper of general circulation published regularly at the capital and in a newspaper of like circulation which shall then be regularly published nearest to the location of the lands so offered; nor shall any sale or contract for the sale of any timber or other natural product of such lands be made, save at the place, in the manner, and after the notice thus provided for sales and leases of the lands themselves: *Provided*, That nothing herein contained shall prevent said Territory from leasing any of said lands referred to in this section for a term of five years or less without such advertisement herein required.

SEC. 5. That all lands, leasehold, timber, and other products of the land before being offered shall be appraised at their true value, and no sale or other disposal thereof shall be made for a consideration less than the value so ascertained, nor, in case of the sale of the land, less than a minimum price of \$5 per acre; nor upon credit unless accompanied by ample security, and the legal title shall not be deemed to have passed until the consideration shall have been paid.

SEC. 6. That a fund shall be established in the Territorial treasury to carry out the purposes of this Act, and whenever any money shall be in any manner derived from any of the land granted same shall be deposited in the Territorial treasury in the fund. The Territorial treasurer shall keep all such money invested in safe interest bearing securities, which securities shall be approved by the governor and the secretary of state of the Territory, and shall at all times be under a good and sufficient bond or bonds conditioned for the faithful performance of his duties in regard thereto, as defined by this Act and the laws of the Territory not in conflict herewith. The income from said fund may and shall be used exclusively for the purposes of such Agricultural College and School of Mines: *Provided*, That no portion of said income shall be applied, directly or indirectly, under any pretense whatever, to the purchase, erection, preservation, or repair of any building or buildings.

SEC. 7. That every sale, lease, conveyance, or contract of or concerning any of the lands hereby granted or confirmed or the use thereof of the natural products thereof, not made in substantial conformity with the provisions of this Act, shall be null and void. It shall be the duty of the Attorney General of the United States to prosecute in the name of the United States and in its courts such proceedings at law or in equity as may from time to time be necessary and appropriate to enforce the provisions hereof relative to the application and disposition of the said lands and the products thereof and the funds derived therefrom.

Approved, January 21, 1929. (PUBLIC—No. 679—70TH CONGRESS; H. R. 10157.)



Table 1.—REVIEW of statistics of land-grant colleges and universities, year ended June 30, 1928

Staff, students, and finances	52 land-grant colleges attended by white students	17 negro land-grant colleges	Total 69 land-grant colleges
<b>I. STAFF</b>			
Professors, instructors, extension workers, and experiment station staff.....	25,227	912	26,139
<b>II. STUDENTS</b>			
Of college grade:			
Resident undergraduates.....	151,196	3,691	154,887
Graduate students.....	11,509		11,509
Summer session, 1927.....	60,315		60,315
Nonresidents.....	75,858		75,858
Total of college grade.....	281,335	3,691	285,026
Not of college grade:			
Nonresident students.....	94,755	1,274	96,029
In practice sch. ols.....	2,879	2,008	4,887
Secondary students—			
Term time.....	3,912	4,124	8,036
Summer, 1927.....	2,803	6,459	9,262
In courses of less than 10 days.....	57,823		57,823
In short courses.....	6,449		6,449
Total noncollegiate students.....	175,016	13,054	188,070
Grand total, excluding duplicates.....	456,351	16,745	473,096
<b>III. DEGREES</b>			
First degrees.....	23,092	294	23,386
Masters.....	2,829		2,829
Doctors.....	522		522
Advanced engineering.....	159		159
Honorary.....	58		58
<b>IV. LIBRARIES</b>			
Number of bound volumes.....	7,476,221	74,318	7,550,539
<b>V. PROPERTY</b>			
Value of:			
Library books.....	\$16,450,989	\$112,391	\$16,563,380
Apparatus, machinery, and furniture.....	53,867,791	1,378,592	55,246,383
Livestock.....	2,660,686	98,520	2,759,206
Campus and grounds.....	46,067,395	1,474,183	47,541,578
Buildings (excluding dormitories).....	173,144,579	5,294,962	178,439,541
Dormitories.....	20,285,068	2,593,325	22,878,393
Federal endowments.....	27,709,168	548,849	28,258,017
Other endowments.....	76,299,558		76,299,558
Miscellaneous property.....	10,520,132	416,110	10,936,242
Total value of property.....	427,005,366	11,916,932	438,922,298
<b>VI. MEDIAN SALARIES</b>			
Presidents:			
Cash.....	10,000	3,600	
Perquisites.....	1,200	300	
Deans.....	5,000	2,000	
Professors.....	3,700	1,620	
Associate professors.....	3,100	1,412	
Assistant professors.....	2,580	1,250	
Instructors.....	2,000	1,290	
Assistants.....	1,500		
<b>VII. 1862 LAND-GRANT FUNDS</b>			
Amount of funds (cash).....			20,756,850
Value of unsold lands.....			5,787,639
Income on invested funds.....	956,616	24,153	980,769
Income from rentals.....	81,266		81,266
Interest on deferred payments.....	32,517		32,517
<b>VIII. OTHER FEDERAL LAND GRANTS</b>			
Amount of funds (cash).....			9,299,008
Value of unsold land.....			5,918,720
Income for 1927-28.....	494,099	5,777	499,876

Footnotes at end of table.

Table 1.—REVIEW of statistics of land-grant colleges and universities, year ended June 30, 1928—Continued

Staff, students, and finances	52 land-grant colleges attended by white students	17 negro land-grant colleges	Total 69 land-grant colleges
<b>IX. MORRILL-NELSON FUNDS<sup>1</sup></b>			
Appropriation year ended June 30, 1928.....	2,299,540	250,460	2,550,000
Interest.....	2,268	138	2,406
<b>X. INCOME AND RECEIPTS<sup>1</sup></b>			
Federal funds.....	13,481,921	338,389	13,820,310
State funds.....	71,123,755	2,141,567	73,265,322
Private gifts.....	7,392,862	126,115	7,518,977
Institutional funds.....	26,067,624	333,966	26,401,590
Institutional earnings.....	17,218,257	822,023	18,040,280
Miscellaneous.....	6,897,689	52,662	6,950,351
<b>Total receipts.....</b>	<b>142,182,108</b>	<b>3,814,722</b>	<b>145,996,830</b>
<b>XI. EXPENDITURES<sup>10</sup></b>			
Salaries and wages.....	77,165,752	1,319,111	78,484,863
Materials and supplies.....	35,180,699	1,201,800	36,382,499
Equipment (capital outlay).....	5,031,254	157,151	5,188,405
Lands, buildings, etc. (capital outlay).....	18,038,813	669,428	18,708,241
Trust funds.....	4,116,083	500	4,116,583
<b>Total expenditures.....</b>	<b>139,532,601</b>	<b>3,347,990</b>	<b>142,880,591</b>

<sup>1</sup> See Tables 5 and 16.  
<sup>2</sup> See Tables 6 and 17.  
<sup>3</sup> See Tables 8 and 18.  
<sup>4</sup> See Tables 11 and 12.

<sup>11</sup> See Tables 11 and 22.  
<sup>12</sup> See Table 12.  
<sup>13</sup> See Tables 2, 9, and 25.  
<sup>14</sup> See Tables 10 and 23.

<sup>15</sup> See Tables 13, 15, 19, and 21.  
<sup>16</sup> See Tables 14, 15, 20, and 21.

Table 2.—FEDERAL LAND-GRANT FUNDS BY STATES—Status of funds June 30, 1928<sup>1</sup>

State	Federal land grant of 1862 or grants in lieu thereof				Other Federal land grants		
	Number of acres received	Unsold land		Amount of fund, not including value of unsold land	Unsold land		Amount of fund, not including value of unsold land
		Number of acres	Value		Number of acres	Value	
1	2	3	4	5	6	7	8
Alabama.....	240,000	0	0	\$253,500.00	0	0	0
Arizona.....	150,000	136,198.15	( <sup>2</sup> )	10,646.85	419,000.90	( <sup>2</sup> )	\$639,275.46
Arkansas.....	150,000	0	0	132,666.67	0	0	0
California.....	150,000	1,025.64	\$10,570.53	761,162.87	320.00	\$800.00	74,962.27
Colorado.....	90,000	34,030.35	340,303.80	401,892.00	0	0	0
Connecticut.....	180,000	0	0	135,000.00	0	0	0
Delaware.....	90,000	0	0	83,000.00	0	0	0
Florida.....	90,000	0	0	153,837.23	0	0	131,209.00
Georgia.....	270,000	0	0	242,202.17	0	0	0
Idaho.....	90,000	52,048.59	520,485.90	654,990.38	128,292.00	1,282,929.60	1,361,409.96
Illinois.....	480,000	0	0	640,012.91	0	0	0
Indiana.....	390,000	0	0	340,000.00	0	0	0
Iowa.....	204,309	0	0	592,463.46	0	0	0
Kansas.....	90,000	7,521.04	56,407.80	505,508.56	0	0	0
Kentucky.....	330,000	0	0	165,000.00	0	0	0

<sup>1</sup> Alaska, Hawaii, and Porto Rico do not participate in this fund.  
<sup>2</sup> Figures not available.

Table 2.—FEDERAL LAND-GRANT FUNDS BY STATES—Status of funds  
June 30, 1928<sup>1</sup>—Continued

State	Federal land grant of 1862 or grants in lieu thereof				Other Federal land grants		
	Number of acres received	Unsold land		Amount of fund, not including value of unsold land	Unsold land		Amount of fund, not including value of unsold land
		Number of acres	Value		Number of acres	Value	
1	2	3	4	5	6	7	8
Louisiana.....	209,920	0	0	182,313.03	0	0	136,000.00
Maine.....	210,000	0	0	118,300.00	0	0	0
Maryland.....	210,000	0	0	117,463.60	0	0	0
Massachusetts.....	360,000	0	0	219,000.00	0	0	0
Michigan.....	235,663	0	0	1,053,898.28	0	0	0
Minnesota.....	94,439	13,309.25	66,546.25	3,914,887.18	0	0	0
Mississippi.....	209,920	0	0	212,150.00	0	0	237,509.00
Missouri.....	277,067	42,415.00	169,660.00	467,321.14	0	0	122,000.00
Montana.....	138,954	60,845.36	608,453.60	579,566.95	39,449.04	394,490.40	200,850.37
Nebraska.....	90,000	6,356.29	44,494.03	662,398.58	10,278.83	71,951.81	288,442.05
Nevada.....	90,000	960.00	1,350.60	122,567.31	590.00	800.00	57,828.74
New Hampshire.....	150,000	0	0	80,000.00	0	0	0
New Jersey.....	210,000	0	0	116,000.00	0	0	0
New Mexico.....	150,000	244,248.00	1,404,134.42	122,201.79	0	0	0
New York.....	989,920	0	0	688,576.12	0	0	0
North Carolina.....	270,000	0	0	125,000.00	0	0	0
North Dakota.....	90,000	42,457.68	424,580.00	1,561,080.70	0	0	0
Ohio.....	629,000	0	0	524,176.50	0	0	226,284.55
Oklahoma.....	( <sup>1</sup> )				143,674.75	179,592.00	1,915,401.48
Oregon.....	89,908	721.52	( <sup>2</sup> )	203,562.87	0	0	0
Pennsylvania.....	780,000	0	0	500,000.00	0	0	0
Rhode Island.....	120,000	0	0	50,000.00	0	0	0
South Carolina.....	180,000	0	0	191,800.00	0	0	0
South Dakota.....	120,000	99,052.35	990,521.50	561,851.23	33,017.45	330,174.50	185,246.42
Tennessee.....	300,000	0	0	400,000.00	0	0	0
Texas.....	180,000	0	0	209,000.00	0	0	0
Utah.....	200,000	0	0	298,439.23	0	0	0
Vermont.....	149,920	0	0	135,000.00	0	0	0
Virginia.....	300,000	0	0	516,468.00	0	0	0
Washington.....	89,438	71,452.49	1,420,049.80	1,015,200.44	82,899.11	1,657,982.20	1,675,578.03
West Virginia.....	150,000	0	0	115,000.00	0	0	0
Wisconsin.....	240,005	40.00	120.00	303,594.61	0	0	233,336.50
Wyoming.....	89,832	72,098.00	720,980.00	309,048.88	34,386.00	2,000,000.00	1,814,574.98
Total.....	10,598,295	884,779.71	5,787,659.93	20,756,850.14	891,877.18	5,918,720.51	9,299,908.80

<sup>1</sup> Figures for 1927. Unsold land from the Ferguson Act and the enabling act not kept separate.

<sup>2</sup> 90,000 acres were received in lieu of the 1862 grant and 40,000 acres were granted in addition; statistics not kept separate.

<sup>3</sup> Oklahoma received 230,000 acres for the benefit of the agricultural and mechanical colleges by the enabling act of June 16, 1906, which does not state that the grant was in lieu of the 1862 grant. See column 6.

<sup>4</sup> Unappraised.

<sup>5</sup> 120,000 acres were received in lieu of the 1862 grant and 40,000 acres were granted in addition; statistics are not kept separate.

## Part II. LAND-GRANT COLLEGES ATTENDED BY WHITE STUDENTS

### DIRECTORY, 1929—Location—Name of president

1. *Alabama*.—Alabama Polytechnic Institute,\* Auburn—Bradford Knapp.
2. *Alaska*.—Alaska Agricultural College and School of Mines,\* Fairbanks—Charles E. Bunnell.
3. *Arizona*.—University of Arizona, Tucson—Homer L. Shantz.
4. *Arkansas*.—University of Arkansas, Fayetteville—John C. Futrall.
5. *California*.—University of California, Berkeley—Robert G. Sproul.
6. *Colorado*.—Colorado Agricultural College,\* Fort Collins—Charles A. Lory.
7. *Connecticut*.—Connecticut Agricultural College,\* Storrs—George A. Works.
8. *Delaware*.—University of Delaware, Newark—Walter Hüllihen.
9. *Florida*.—University of Florida, Gainesville—John J. Tigert.
10. *Georgia*.—Georgia State College of Agriculture and Mechanic Arts, Athens—Andrew M. Soule.
11. *Hawaii*.—University of Hawaii, Honolulu—D. L. Crawford.
12. *Idaho*.—University of Idaho, Moscow—Frederick J. Kelly.
13. *Illinois*.—University of Illinois, Urbana—David Kinley.
14. *Indiana*.—Purdue University,\* La Fayette—Edward C. Elliott.
15. *Iowa*.—Iowa State College of Agriculture and Mechanic Arts,\* Ames—Raymond M. Hughes.
16. *Kansas*.—Kansas State Agricultural College,\* Manhattan—Francis D. Farrell.
17. *Kentucky*.—University of Kentucky, Lexington—Frank L. McVey.
18. *Louisiana*.—Louisiana State University and Agricultural and Mechanical College, Baton Rouge—Thomas W. Atkinson, acting.
19. *Maine*.—University of Maine, Orono—Harold S. Boardman.
20. *Maryland*.—University of Maryland, College Park—Raymond A. Pearson.
21. *Massachusetts*.—Massachusetts Agricultural College,\* Amherst—Roscoe W. Thatcher.
22. *Massachusetts*.—Massachusetts Institute of Technology,\* Cambridge—Samuel W. Stratton.
23. *Michigan*.—Michigan State College of Agriculture and Applied Science,\* East Lansing—Robert S. Shaw.
24. *Minnesota*.—University of Minnesota, Minneapolis—Lotus D. Coffman.
25. *Mississippi*.—Mississippi Agricultural and Mechanical College,\* Agricultural College—B. M. Walker.
26. *Missouri*.—University of Missouri, Columbia—Stratton D. Brooks.
27. *Montana*.—Montana State College of Agriculture and Mechanic Arts,\* Bozeman—Alfred Atkinson.
28. *Nebraska*.—University of Nebraska, Lincoln—Edgar A. Burnett.
29. *Nevada*.—University of Nevada, Reno—Walter E. Clark.

\* The star indicates a separate land-grant college independent of the State university.

30. *New Hampshire*.—University of New Hampshire, Durham—Edward M. Lewis.
31. *New Jersey*.—Rutgers University, New Brunswick—John M. Thomæ.
32. *New Mexico*.—New Mexico College of Agriculture and Mechanic Arts,\* State College—Harry L. Kent.
33. *New York*.—Cornell University, Ithaca—Livingston Farrand.
34. *North Carolina*.—North Carolina State College of Agriculture and Engineering,\* West Raleigh—Eugene C. Brooks.
35. *North Dakota*.—North Dakota Agricultural College,\* Agricultural College—John L. Coulter.<sup>1</sup>
36. *Ohio*.—Ohio State University, Columbus—George W. Rightmire.
37. *Oklahoma*.—Oklahoma Agricultural and Mechanical College,\* Stillwater—Henry G. Bennett.
38. *Oregon*.—Oregon Agricultural College,\* Corvallis—William J. Kerr.
39. *Pennsylvania*.—Pennsylvania State College,\* State College—Ralph D. Hetzel.
40. *Porto Rico*.—University of Porto Rico, Rio Piedras—Thomas E. Benner.
41. *Rhode Island*.—Rhode Island State College,\* Kingston—Howard Edwards.
42. *South Carolina*.—Clemson Agricultural College,\* Clemson College—Enoch W. Sikes.
43. *South Dakota*.—South Dakota State College of Agriculture and Mechanic Arts,\* Brookings—Charles W. Pugsley.
44. *Tennessee*.—University of Tennessee, Knoxville—Harcourt A. Morgan.
45. *Texas*.—Agricultural and Mechanical College of Texas,\* College Station—T. O. Walton.
46. *Utah*.—Agricultural College of Utah,\* Logan—Elmer G. Peterson.
47. *Vermont*.—University of Vermont and State Agricultural College, Burlington—Guy W. Bailey.
48. *Virginia*.—Virginia Agricultural and Mechanical College and Polytechnic Institute,\* Blacksburg—Julian A. Burruss.
49. *Washington*.—State College of Washington,\* Pullman—Ernest O. Holland.
50. *West Virginia*.—West Virginia University, Morgantown—John R. Turner.
51. *Wisconsin*.—University of Wisconsin, Madison—Glenn Frank.
52. *Wyoming*.—University of Wyoming, Laramie—Arthur G. Crane.

#### STAFF

Detailed information on the teaching staff in the land-grant colleges attended by white students is given in Table 5. For the year ended June 30, 1928, these institutions employed a total of 25,227 staff members, of which number 1,489 were assigned to general administration. In resident instruction 14,006 were teachers of college, professional, and graduate work; 1,092 additional instructors were employed for the summer session of 1927; and 357 taught in the secondary or subcollegiate departments. In extension work 930 were employed in correspondence study service; 1,598 in extension classes; 1,425 in the central staff groups of agricultural and home economics extension; and 3,566 were county, home, and club agents. The agricultural experiment stations employed 2,409, and the engineering experiment stations included 610 staff members.

\* The star indicates a separate land-grant college independent of the State university.

<sup>1</sup> Resigned, 1929.

STUDENTS

The ratio of undergraduate men to undergraduate women—7 men to 3 women—has remained fairly constant for the past decade.

Year	Men <sup>1</sup>	Women	Year	Men	Women
	<i>Per cent</i>	<i>Per cent</i>		<i>Per cent</i>	<i>Per cent</i>
1919.....	73.8	26.2	1924.....	69.3	30.7
1920.....	71.4	28.6	1925.....	69.1	30.9
1921.....	69.6	30.4	1926.....	68.6	31.4
1922.....	71.4	28.6	1927.....	68.1	31.9
1923.....	70.0	30.0	1928.....	68.5	31.5

*Enrollments of students.*—Enrollments of students have been divided into two groups (A) students of college grade, and (B) students not of college grade. Table 6, Part I, details registration in the first group, and Table 6, Part II, in the second group. Of the 456,351 students who were pursuing work of one kind or another in the 52 land-grant colleges in 1927-28, three-fifths were students of college grade. A summary of Table 6 follows:

*Student enrollment*

	Men	Women	Total
<b>STUDENTS IN COURSES FOR COLLEGE CREDIT <sup>1</sup></b>			
I. Resident students:			
1. Undergraduates.....	103,619	47,577	151,196
2. Special students.....	1,559	1,427	2,986
3. Graduate students.....	7,790	3,719	11,509
4. Summer session students (1927).....	24,543	35,772	60,315
II. Nonresident students in:			
1. Extension classes.....	32,290	12,590	44,880
2. Correspondence courses.....	16,642	14,827	31,469
<b>Total students for college credit, excluding duplicates.....</b>	<b>189,788</b>	<b>91,547</b>	<b>281,335</b>
<b>STUDENTS NOT OF COLLEGE GRADE <sup>1</sup></b>			
I. Resident students in:			
1. Practice school or training school owned by institution—boys and girls.....	1,407	1,472	2,879
2. Secondary school—term time.....	2,569	1,306	3,875
3. Secondary school—summer session.....	868	1,935	2,803
4. Courses of less than 10 days.....	33,888	23,935	57,823
5. Courses of 10 days to one year.....	4,498	1,691	6,189
II. Nonresident students in:			
1. Extension classes.....	25,283	52,678	77,961
2. Correspondence courses.....	13,794	9,644	23,438
<b>Total noncollegiate students, excluding duplicates.....</b>	<b>82,347</b>	<b>92,669</b>	<b>175,016</b>
<b>Grand total of all students, excluding duplicates.....</b>	<b>272,135</b>	<b>184,216</b>	<b>456,351</b>

<sup>1</sup> See Table 6, Part I.

ENGINEERING ENROLLMENTS

In 1900 about 8,000 men and women students were enrolled in engineering courses. This enrollment was doubled in 1906 and fluctuated until 1919 when it suddenly became three times as large as the 1900 figure, and increased to its highest peak in 1928 with 30,921 students of which only 127 were women.

*Electrical engineering* was elected by 1,610 students in 1900. The number increased irregularly until 1918, when with the advent of radio, electrical engineering became the most popular of the engineering courses, and enrollments reached 8,697 students in 1925-26, and 8,623 in 1927-28.

*Civil engineering* was elected by 1,964 students in 1900. Enrollments increased rapidly until 1909, when they fell off for a period of eight years. In 1917 a decided increase began and enrollments rose in 1925 to 5,851 students, and in 1928 to 6,112 students.

*Mechanical engineering* enrollments follow a curve similar to civil engineering. In 1900 there were 3,641 students. Enrollments varied until the war when in three years (1918 to 1921) they rose to a peak with 7,814 students. In 1928 they decreased to 5,791 students.

*Chemical engineering* in 1900 was elected by 393 students. By 1921 the enrollment of students reached 3,243, but by 1928 had fallen to 2,189.

*Mining engineering* enrollments increased from 822 students in 1900 to a peak with 1,991 in 1921, but had fallen to 874 students in 1928.

Undoubtedly the prominent place occupied by engineering during the World War accounts for much of the increased interest in engineering since that time.

#### AGRICULTURAL ENROLLMENT

In 1905 agricultural students numbered 2,473, and by the war period had increased sevenfold. For several years after the war enrollments in agriculture declined steadily. Had it not been for the agricultural depression in 1921, the annual enrollments might have regained their former trend, but the economic status of agriculture in the past few years has been such that students have elected other courses which offer, what appear to them, more favorable prospects. The economic rewards of agriculture at the time of college entrance is often a determining factor with students in the election or rejection of an agricultural career. Including forestry and veterinary science, agricultural enrollments dropped from 16,554 in 1917 to 10,345 in 1919 and rose to 15,370 in 1920. Since that date the number of students gradually decreased to 12,710 in 1927, but increased in 1928 to 13,149 students, a gain of 439 over the previous year.

#### HOME ECONOMICS ENROLLMENT

Students in home economics are for the most part women. Cornell has recently instituted a course in hotel management in which 127 men are enrolled. Since 1905, with one or two variations, the gain of students in home economics has been steady, increasing from 717 in 1905 to 8,151 students in 1928.

REGISTRATION OF COLLEGE STUDENTS IN LAND-GRANT INSTITUTIONS

More than a third of all resident students register in arts and science courses in the land-grant colleges. A fifth elects engineering; more than a tenth, education; less than a tenth, agriculture. Eight per cent are registered in commerce and business; 5 per cent in home economics; and the remaining 12.5 per cent in miscellaneous courses of study which include medicine, law, pharmacy, dentistry, architecture, journalism, music, fine arts, etc.<sup>1</sup> Table 3 shows that for the past three years the percentage of students registering in arts and sciences has increased slightly. Education has gained 3 per cent in three years. The decline in agricultural enrollments appears to have been checked. Commerce and business shows a slight downward tendency in enrollments. Home economics and the other courses generally show little tendency either to increase or to decline.

Table 3.—ENROLLMENTS BY DEPARTMENTS OR MAJOR COURSES OF STUDY, 1927-28<sup>1</sup>

Departments, divisions, or major courses of study	Resident students enrolled			First degrees conferred				
	Per cent in year ended—			Number (1927-28)	Per cent in year ended—			Number (1927-28)
	1926	1927	1928		1926	1927	1928	
1. Arts and sciences.....	34.0	34.6	34.9	53,803	29.4	32.4	30.1	6,947
2. Engineering—(a) to (l).....	20.5	19.4	20.0	30,921	19.0	18.6	18.4	4,254
(a) Electrical.....	6.1	5.8	5.6	8,623	5.6	5.8	6.0	1,388
(b) Civil.....	4.0	3.8	4.0	6,112	4.4	4.5	4.3	991
(c) Mechanical.....	3.8	3.4	3.7	5,791	4.4	3.8	3.9	893
(d) Unclassified.....	1.7	2.6	2.9	4,450	.0	.0	.0	0
(e) Chemical.....	1.4	1.4	1.4	2,189	1.5	1.3	1.3	309
(f) Architectural.....	.8	.7	.9	1,358	.4	.5	.6	137
(g) Specialized.....	1.9	1.4	.8	1,224	1.8	1.7	1.6	300
(h) Mining.....	.7	.7	.6	874	.8	.8	.6	143
(i) Agricultural.....	.1	.2	.2	300	.1	.2	.2	33
3. Education:								
General.....	7.2	8.8	10.1	15,652	8.8	10.5	12.3	2,832
Vocational.....	.9	1.3	.7	1,163	1.4	1.6	1.1	250
4. Agriculture—(a) to (c).....	9.1	8.4	9.1	13,149	11.2	9.6	8.6	1,999
(a) General.....	8.0	7.4	7.4	11,461	10.0	8.5	7.6	1,761
(b) Forestry.....	.8	.7	.7	1,076	.7	.6	.6	139
(c) Veterinary.....	.3	.3	.4	612	.5	.4	.4	99
5. Commerce and business.....	9.0	8.4	7.9	12,158	7.4	7.4	7.2	1,660
6. Home economics.....	5.3	5.2	5.3	8,151	5.9	6.2	6.1	1,397
7. Medicine.....	2.1	2.3	2.5	3,924	4.1	3.0	4.2	978
8. Law.....	2.3	2.1	2.1	3,173	3.0	3.7	2.9	673
9. Pharmacy.....	1.9	1.9	1.0	2,979	3.0	1.5	2.1	485
10. Dentistry.....	1.2	1.1	1.1	1,631	1.7	2.4	1.5	344
11. Architecture.....	.7	.8	1.0	1,547	.4	.5	.5	120
12. Journalism.....	.8	.8	.6	882	.7	1.0	.9	214
13. Music.....	.6	.6	.6	877	.4	.4	.4	93
14. Fine arts.....	.4	.5	.5	872	.1	.2	.5	122
15. Miscellaneous.....	4.0	3.3	2.2	3,352	3.5	1.1	3.1	724
<b>Total.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>154,234</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>23,092</b>

<sup>1</sup> See Tables 7 and 8.

<sup>2</sup> Includes 3,038 duplicates.



## DEGREES CONFERRED, 1928

The degrees conferred on men and women in 1927-28 are detailed in Table 8, while Charts 1 and 2 picture over a period of years the degrees conferred on men and on women in several courses of study. Prior to 1922 complete data are not available.

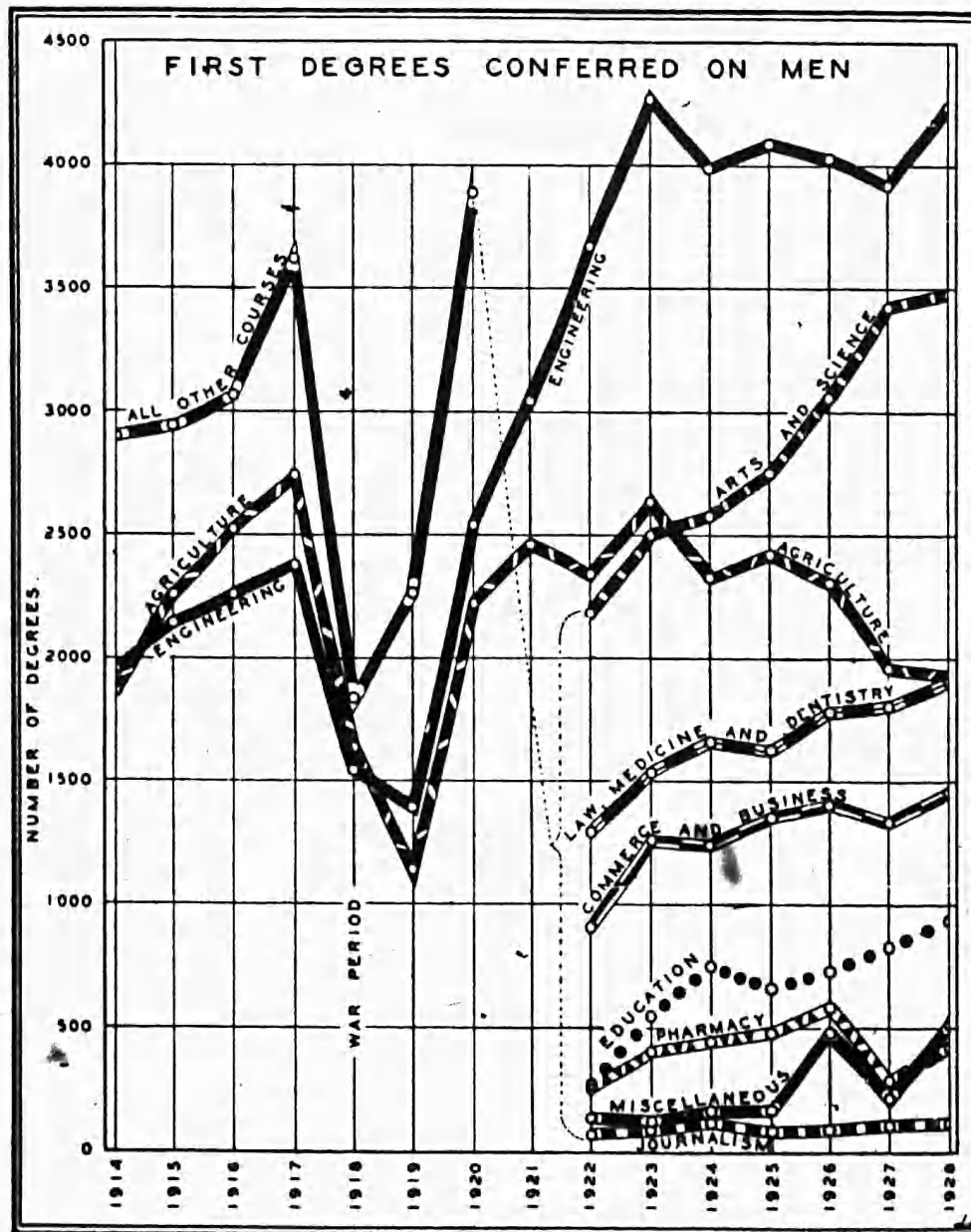


CHART 1

*Men.*—In 1928, 14,986 first degrees were awarded to men graduates. Engineering heads the list in the number of degrees awarded—4,239 degrees to men—more than three times as many as were conferred in engineering in 1919. Arts and sciences with 3,481 takes second place. Agriculture is third with 1,931 first degrees in general agriculture, forestry, and veterinary medicine, but shows a tendency to

decline. This tendency, however, will probably change in a year or two in view of the fact that enrollments in agriculture are no longer on the decline. Education has had a noticeable growth since 1922 with 943 degrees granted to men in 1928.

*Women.*—In 1928, the land-grant colleges awarded 8,106 first degrees to women. Of these 3,466 were awarded in arts and science

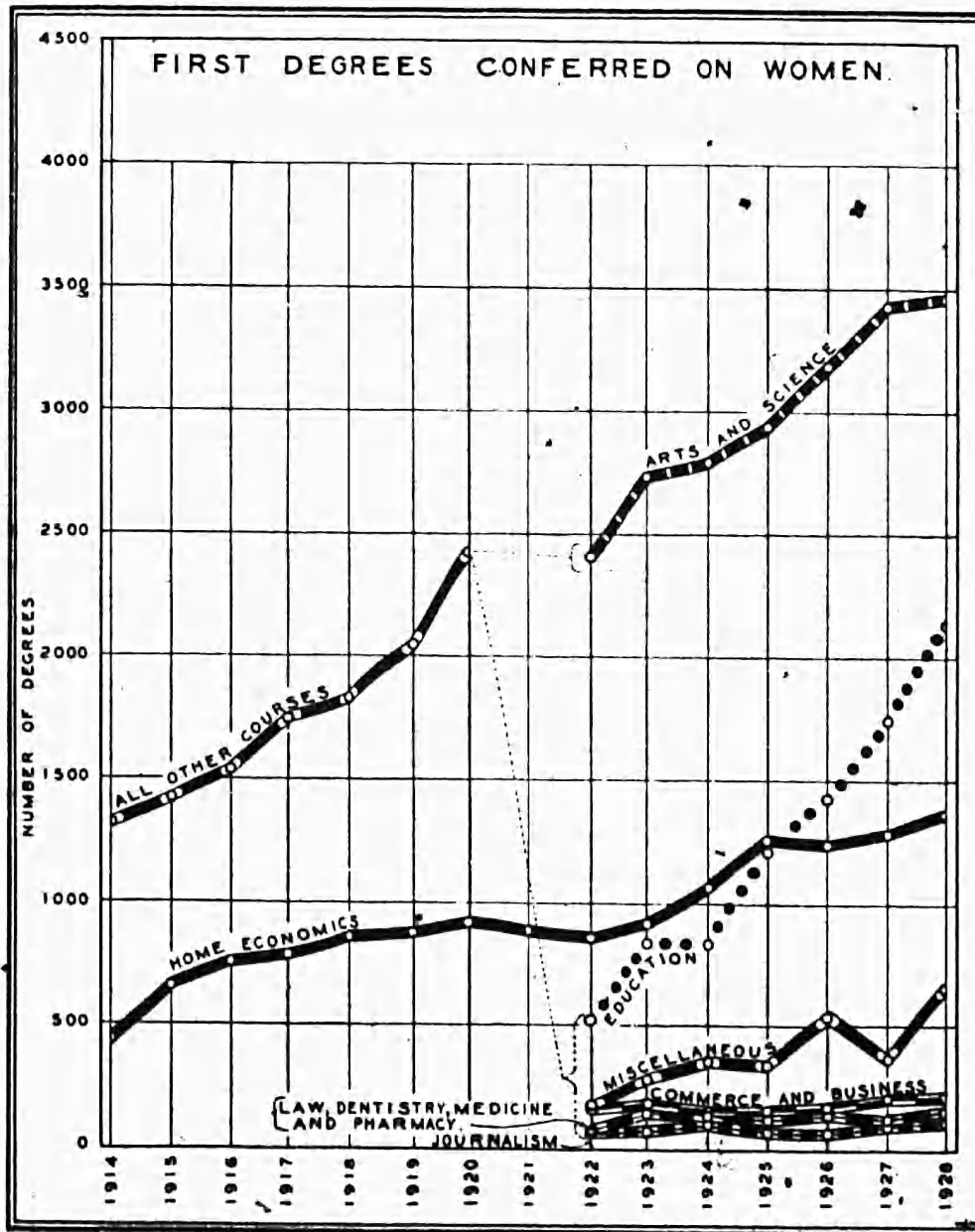


CHART 2

courses—the most popular with women students. Education takes second place with 2,139 first degrees, and home economics takes third place with 1,374 first degrees. Until 1925 home economics occupied second place, but since that date the home economics group has been outnumbered by graduates in education.

## MILITARY EDUCATION

Was it the intent and purpose of Congress in enacting the land-grant college act of July 2, 1862, that military tactics be included among the prescribed rather than among the elective courses of study in the colleges qualifying for the benefits under the act? This question and similar ones come before the Department of the Interior periodically. When the first Morrill Act was approved, provision was made for at least one college in every State "Where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the States may respectively prescribe \* \* \*." Thus military tactics along with other subjects must be offered in the colleges, but, in accordance with rulings upon the interpretation of the act, State legislatures have authority to prescribe the manner in which the several subjects shall be taught. "The policy of the Department of the Interior has been that the State fulfills its obligation under the law when it offers instruction and provides facilities for instruction in the branches of learning specified in the land-grant college legislation." (Ruling July 19, 1923.) Pending further ruling on the matter, this policy is in force. Generally military education in the land-grant colleges is required of freshmen and sophomores, and elective for juniors and seniors.

The University of Wisconsin in the fall of 1923 placed military education on an optional basis (Sachtjen bill, August 8, 1923), allowing students to choose: (1) Physical education, 4 hours per week for 4 semesters, and no drill (8 credits); (2) physical education 2 hours per week and military drill 3 hours per week for 4 semesters (9 credits); or (3) military drill 3 hours per week and physical education 1 hour per week for 4 semesters (8 credits).

## SUMMER SCHOOLS

Since 1912 enrollments in the summer schools of the land-grant colleges have risen steadily. Unlike the regular session, more women than men enroll in the summer schools. About half of the summer sessions are organized on the term or quarter plan under which the session is a regular part of the school year. Many summer-school students are now working definitely toward a college degree, and this tendency is creating a demand for regular college work during the summer term in order to reduce the number of years required to secure a degree. Teachers take advantage of the summer sessions to obtain extra credits or to satisfy the requirements of State boards of education. Teacher training is at present one of the most impor-

tant objectives of the summer schools, and courses in education outnumber those in any other subject. In most colleges the summer school is conducted without subsidy from the general income of the institution. Since the summer of 1922 the enrollments of men have fallen off decidedly, from 27,359 to 25,411 in the summer of 1927, while enrollments of women have increased steadily, from 27,487 in 1922 to 37,690 in 1927.

#### PROPERTY

In the 52 land-grant colleges attended by white students, property, which increased by more than \$36,700,000 last year, is now appraised at \$427,005,366. This amount is invested as follows:

Item	Amount	Per cent
Buildings, not including dormitories	\$173,144,579	40.5
General endowments	76,299,558	17.9
Apparatus, machinery, and furniture	53,867,791	12.6
Campus and grounds	46,087,395	10.8
Endowments from Federal land grants	27,709,168	6.5
Dormitories	20,285,068	4.8
Library books	16,450,989	3.8
Livestock	2,660,686	.6
Miscellaneous	10,520,132	2.5
Total	427,005,366	100.0

In value of property, the University of California ranks first with \$46,300,000, followed by Massachusetts Institute of Technology with \$43,600,000, University of Minnesota with \$35,840,000, Cornell University with \$35,830,000, University of Illinois with \$23,300,000, University of Wisconsin with \$17,800,000, and Ohio State University with \$17,000,000.

More than \$1,000,000 is invested in library books in each of the following institutions: University of California, University of Illinois, University of Minnesota, Cornell University, and University of Wisconsin. More than \$100,000 is invested in livestock in each of the following: Michigan State College, University of Minnesota, University of Nebraska, Oklahoma Agricultural and Mechanical College, and Texas Agricultural and Mechanical College.

The campus and farms of Texas Agricultural and Mechanical College cover more than 14,000 acres of land—the most extensive of any land-grant college. Kansas State Agricultural College is next with 12,923 acres, followed by University of Minnesota (6,200 acres), University of California (6,098 acres), University of Nebraska (5,245 acres), Purdue University (4,536 acres). The acreage of the remaining institutions varies from 90 in Massachusetts Institute of Technology to 4,409 acres in Louisiana State University.

<sup>1</sup> See Table 11.

## SALARIES

The salary schedules of the land-grant colleges and universities in 1928 reveal that 11,267 individuals on full time were divided according to professional grade and salary as follows:

Individual	Number	Per cent	Median salary
Deans	333	2.9	\$5,000
Professors	2,825	25.0	3,700
Associate professors	1,349	12.0	3,100
Assistant professors	2,413	21.4	2,580
Instructors	3,398	30.1	2,000
Assistant instructors	969	8.6	1,500
Total	11,267	100.0	

From these figures it is apparent that the greater part of college instruction is given by individuals receiving from \$1,500 to \$2,580 per year in salaries. Since 1922 figures on salaries have been collected from the same institutions and in the same manner. During this period salaries show small increases in nearly every grade of the teaching profession. College presidents profited most, the median salary increasing from \$7,500 in 1922 to \$10,000 in 1926; since 1926 no change has taken place. The median salary of college deans has been raised from \$4,320 in 1922 to \$5,000 in 1927. Similarly median salaries of professors have increased from \$3,300 in 1922 to \$3,700 in 1927; of associate professors from \$2,750 in 1922 to \$3,100 in 1928; and of assistant professors from \$2,320 in 1922 to \$2,580 in 1928.

*Comparison of median salaries*

Year	President		Dean	Professors	Associate professors	Assistant professors	Instructors	Assistant instructors
	Salary	Perquisites						
1922	\$7,500	\$1,150	\$4,320	\$3,300	\$2,750	\$2,320		
1923	7,500	1,200	4,350	3,500	2,800	2,400		
1924	8,000	1,200	4,500	3,500	2,900	2,400		
1925	9,000	1,200	4,500	3,600	2,850	2,500		
1926	10,000	1,200	4,900	3,600	2,900	2,500	\$2,000	\$1,500
1927	10,000	1,000	5,000	3,700	3,000	2,500		
1928	10,000	1,200	5,000	3,700	3,100	2,580	2,000	1,500

## INCOME AND RECEIPTS

The receipts of land-grant colleges attended by white students for the year ended June 30, 1928, amounted to \$142,182,108. This money was received from six sources, i. e.—(1) Federal funds, including benefits from the land-grant act of 1862, Morrill-Nelson Acts of 1890 and 1907, Hatch-Adams Acts of 1887 and 1906, Smith-Lever Act of

\* See Table 12.

\* See Tables 13 and 15.

1914, Smith-Hughes Act of 1917, and Purnell Act of 1925; (2) State appropriations for operation and maintenance and for permanent improvements; (3) private gifts; (4) institutional sources, including interest on endowment, student tuitions and fees, etc.; (5) earnings, received through experiment stations, departments, and charges for board and room; and (6) miscellaneous sources not included above. The proportion of receipts which each land-grant college receives from each of these six sources has been figured and the results are shown in the following series of tables. The percentages have also been figured for the grand totals, but it is believed that the median per cent is a more reliable figure.

*Federal aid.*—The following table shows that a fourth or more of the receipts in nine institutions are derived from Federal sources. Federal sources supply 5 per cent or less of the receipts of seven institutions.

*Proportion of income which land-grant colleges receive from Federal sources*

	Per cent		Per cent		Per cent
New Mexico	39.7	Delaware	16.3	Indiana	9.0
Alaska	34.0	South Carolina	16.2	Maryland	9.0
Georgia	30.7	Louisiana	16.0	Iowa	8.2
Rhode Island	29.0	Virginia	15.7	Oregon	8.2
Montana	27.6	Kentucky	15.0	Nebraska	7.9
North Dakota	27.6	Maine	14.8	Hawaii	7.3
Utah	27.0	Tennessee	13.9	Porto Rico	6.8
South Dakota	25.5	Pennsylvania	13.3	New Jersey	5.6
Wyoming	25.1	Vermont	13.0	Illinois	5.0
Nevada	23.2	Connecticut	11.9	Ohio	4.8
Arkansas	21.5	Texas	11.6	Minnesota	4.5
Oklahoma	21.4	Kansas	11.5	New York	3.9
Alabama	21.0	West Virginia	11.1	Wisconsin	3.7
Idaho	20.5	Michigan	10.5	California	2.3
Colorado	19.4	New Hampshire	10.5	Massachusetts (M.	
Washington	19.1	Missouri	10.4	I. T.)	.5
Mississippi	17.4	Florida	9.7		
North Carolina	16.4	Massachusetts (M.		Total	9.5
Arizona	16.3	A. C.)	9.5	Median	13.6

*State support.*—The States give liberally for the support of the land-grant colleges. More than half of the total college receipts are from State sources, but the range in individual institutions is large. Some States appropriate more than two-thirds of the receipts as in the University of Porto Rico, University of Hawaii, University of Illinois, Iowa State College of Agriculture, and Michigan State College. Other States contribute less than a third of the college

\* For brevity land-grant colleges are indicated by the name of the State in which each is located; names of institutions are shown in the directory.

receipts, as in University of Maryland, Cornell University, and University of Vermont. In Massachusetts the agricultural college receives 64 per cent of its money from the State, but Massachusetts Institute of Technology receives no State aid.

*Proportion of receipts from State sources*

	Per cent		Per cent		Per cent
Porto Rico.....	82.1	Washington.....	56.9	Nevada.....	43.1
Hawaii.....	75.0	Wisconsin.....	56.7	Alabama.....	42.4
Illinois.....	73.4	Colorado.....	55.9	Georgia.....	40.8
Iowa.....	66.7	Tennessee.....	55.0	South Dakota.....	40.6
Michigan.....	66.7	Arizona.....	53.0	Pennsylvania.....	38.3
Oregon.....	64.9	Utah.....	53.0	New Jersey.....	38.0
Massachusetts		Arkansas.....	52.9	Virginia.....	37.5
(M. A. C.).....	64.1	Montana.....	52.9	Texas.....	36.9
Florida.....	62.0	Indiana.....	51.6	New Mexico.....	35.2
West Virginia.....	61.7	North Dakota.....	51.1	Mississippi.....	34.8
Alaska.....	61.5	Delaware.....	50.0	Rhode Island.....	33.1
Ohio.....	61.3	Wyoming.....	48.7	Maryland.....	29.6
Idaho.....	59.9	Minnesota.....	48.5	New York.....	21.0
California.....	59.6	Missouri.....	48.0	Vermont.....	10.8
Kentucky.....	59.1	Oklahoma.....	47.9	Massachusetts	
Kansas.....	58.4	North Carolina.....	47.5	(M. I. T.).....	0
Louisiana.....	58.1	Connecticut.....	46.3		
South Carolina.....	57.9	New Hampshire.....	45.1	Total.....	50.0
Nebraska.....	57.6	Maine.....	44.5	Median.....	52.8

*Private gifts* furnished from 14 to 28 per cent of the receipts of University of Vermont, Massachusetts Institute of Technology, Cornell University, Rutgers University, and University of California. Nine institutions received from 1 to 9 per cent, 22 institutions received less than 1 per cent, and 16 institutions received no funds whatever from this source.

*Proportion of receipts from private gifts*

	Per cent		Per cent		Per cent
Vermont.....	28.0	Missouri.....	1.5	Connecticut.....	0.2
Massachusetts		North Dakota.....	.9	Kansas.....	.2
(M. I. T.).....	27.7	Utah.....	.8	North Carolina.....	.2
New York.....	21.7	Alabama.....	.7	Hawaii.....	.1
New Jersey.....	15.6	Maryland.....	.6	New Hampshire.....	.1
California.....	14.6	Montana.....	.6	Oklahoma.....	.1
Pennsylvania.....	8.9	Tennessee.....	.6	Arkansas.....	.08
Maine.....	7.9	Indiana.....	.5	Arizona.....	.03
Delaware.....	5.9	Louisiana.....	.4	Wyoming.....	.03
Georgia.....	4.3	Washington.....	.4	16 remaining col-	
Nevada.....	4.2	Porto Rico.....	.4	leges.....	0
Minnesota.....	2.0	Kentucky.....	.3		
Illinois.....	1.7	Ohio.....	.3	Total.....	5.2
Wisconsin.....	1.6	Oregon.....	.3	Median.....	.3

*Institutional funds* from interest on endowment, tuition and other fees, athletics, etc., totaled 18.3 per cent of the entire receipts of the institutions. The proportion of funds received from this source was highest in Massachusetts Institute of Technology (63.8 per cent), University of Maryland (44.5 per cent), University of Vermont (35.2 per cent), and Cornell University (31 per cent). The median percentage figure (11.8 per cent) was approximated by Oklahoma Agricultural and Mechanical College, University of Tennessee, University of Illinois, and Rhode Island State College. Less than 5 per cent was received from institutional funds in University of Idaho, North Dakota Agricultural College, Virginia Agricultural and Mechanical College, New Mexico College of Agriculture and Mechanic Arts, and Alaska Agricultural College and School of Mines.

*Proportion of receipts from institutional sources*

Per cent		Per cent		Per cent
Massachusetts	Nebraska	13.0	Kentucky	8.7
(M. I. T.)	Nevada	12.9	Georgia	8.2
63.8	Florida	12.7	Arkansas	8.1
Maryland	Indiana	12.5	South Dakota	6.8
44.5	Louisiana	12.4	Mississippi	6.4
Vermont	Oregon	12.3	Montana	6.4
35.2	Oklahoma	11.9	South Carolina	6.0
New York	Tennessee	11.9	Porto Rico	5.5
31.0	Illinois	11.6	Hawaii	5.4
Minnesota	Rhode Island	11.5	Massachusetts	
26.7	North Carolina	11.2	(M. A. C.)	5.3
Ohio	Texas	11.1	Idaho	4.7
24.8	Iowa	10.7	North Dakota	4.7
New Hampshire	Wyoming	10.3	Virginia	4.7
23.3	Washington	9.8	New Mexico	2.8
New Jersey	Colorado	9.6	Alaska	.7
22.5	Connecticut	9.5		
Pennsylvania	Utah	9.2	Total	18.3
22.5	Michigan	8.9	Median	11.8
California				
19.7				
Alabama				
19.6				
Maine				
17.6				
Arizona				
17.5				
Missouri				
17.5				
Wisconsin				
17.4				
West Virginia				
14.5				
Kansas				
14.1				
Delaware				
13.0				

*Earnings and receipts* from experiment stations, departments, dormitories, and dining halls made up 12.1 per cent of the total receipts of land-grant colleges attended by white students. Over a fourth of the income of Virginia Agricultural and Mechanical College, Connecticut Agricultural College, Mississippi Agricultural and Mechanical College, Agricultural and Mechanical College of Texas, and Rhode Island State College was received from this source. University of Tennessee and University of Nevada represent the median group, and five land-grant colleges in Louisiana, Minnesota, California, Alaska, and Arkansas received less than 5 per cent from institutional earnings.



*Proportion of receipts from earnings*

	Per cent		Per cent		Per cent
Virginia	34.3	New Jersey	14.2	South Dakota	9.5
Connecticut	32.1	Michigan	13.9	Hawaii	9.4
Mississippi	31.8	New Mexico	13.8	Florida	9.1
Texas	29.8	Georgia	13.4	Washington	9.1
Rhode Island	25.5	Wyoming	13.2	Massachusetts (M. I. T.)	8.0
Nebraska	21.5	Iowa	13.1	West Virginia	7.6
New Hampshire	20.8	North Dakota	12.2	Illinois	6.8
Wisconsin	19.9	Nevada	12.0	Utah	6.5
South Carolina	17.5	Tennessee	11.7	Ohio	5.4
Massachusetts (M. A. C.)	17.2	Kentucky	11.6	Porto Rico	5.2
Pennsylvania	17.0	Vermont	11.4	Louisiana	4.5
Kansas	15.8	Arizona	11.2	Minnesota	4.0
Maine	15.2	Missouri	11.0	California	2.6
North Carolina	15.2	Montana	11.0	Alaska	2.5
Maryland	15.1	Colorado	10.2	Arkansas	2.5
Idaho	14.9	Indiana	10.2	Total	12.1
Delaware	14.8	Alabama	10.1	Median	11.9
New York	14.7	Oklahoma	10.0		
		Oregon	9.9		

*Miscellaneous receipts* from various sources, including county funds, extension and regulatory service, provided 4.9 per cent of the income and receipts of land-grant colleges in 1927-28. Over 10 per cent of the receipts are from miscellaneous sources in South Dakota State College, Purdue University, University of Arkansas, University of Minnesota, University of Missouri, and Agricultural and Mechanical College of Texas. Seven land-grant colleges in Connecticut, Idaho, Maine, Massachusetts (M. I. T.), Michigan, Nebraska, and Porto Rico report no miscellaneous funds.

*Proportion of receipts from miscellaneous sources*

	Per cent		Per cent		Per cent
South Dakota	17.6	West Virginia	5.1	Illinois	1.5
Indiana	16.2	Colorado	4.9	Montana	1.5
Arkansas	14.9	Washington	4.7	Alaska	1.3
Minnesota	14.3	Nevada	4.6	Iowa	1.3
Missouri	11.6	Oregon	4.4	California	1.2
Texas	10.6	New Jersey	4.1	Maryland	1.2
Mississippi	9.6	Massachusetts (M. A. C.)	3.0	Rhode Island	.9
North Carolina	9.5	North Dakota	3.5	Wisconsin	.7
Oklahoma	8.7	Utah	3.5	New Hampshire	.2
Louisiana	8.6	Ohio	3.4	Kansas	.04
New Mexico	8.5	Hawaii	2.8	Pennsylvania	.04
Virginia	7.8	Wyoming	2.7	Delaware	.01
New York	7.7	Georgia	2.6	Total	4.9
Tennessee	6.9	South Carolina	2.4	Median	3.5
Florida	6.5	Arizona	1.9		
Alabama	6.2	Vermont	1.6		
Kentucky	5.3				

EXPENDITURES, 1927-28<sup>1</sup>

The expenditures of land-grant colleges attended by white students for the year ended June 30, 1928, totaled \$139,532.601. How this money was spent is summarized from Table 15 in the following statement:

Expenditure	Per cent of grand total	Median per cent
For salaries and wages.....	55.3	57.9
For materials and supplies.....	25.2	26.0
Capital outlay for departmental equipment.....	3.6	3.6
Capital outlay for lands and buildings.....	12.9	10.6
Trust funds.....	3.0	3
	100.0	

*Salaries and wages.*—Fifty-five per cent of the total expenditures went for salaries and wages of regular instructional, scientific, and administrative staffs, together with the wages of mechanical, farm, and temporary employees. Fifty-five per cent was spent in 1927, 54 per cent in 1926, and 56 per cent in 1925. The range in 1927-28 for different institutions varies from 32 per cent in Rhode Island State College to 75 per cent in Montana State College. It will be noted that institutions which spent a small proportion of their money for salaries expended more for buildings and permanent improvements.

*Proportion of expenditures for salaries and wages*

Per cent	Per cent	Per cent
Montana..... 75.4	Maryland..... 61.5	Washington..... 51.7
Porto Rico..... 71.6	Mississippi..... 60.9	Texas..... 50.2
Utah..... 67.4	Ohio..... 60.5	Alabama..... 49.7
Vermont..... 67.0	Missouri..... 59.9	California..... 49.6
Kentucky..... 66.8	Iowa..... 59.1	Massachusetts (M.
Kansas..... 66.4	Florida..... 58.6	I. T.)..... 47.5
West Virginia..... 65.1	Indiana..... 58.1	Minnesota..... 47.5
Georgia..... 64.5	New York..... 57.9	Virginia..... 47.0
Nevada..... 64.5	Oklahoma..... 57.9	Nebraska..... 46.9
North Dakota..... 64.5	Hawaii..... 57.2	Arkansas..... 46.5
Massachusetts (M.	Pennsylvania..... 56.8	New Hampshire..... 46.5
A. C.)..... 64.3	North Carolina..... 56.5	New Jersey..... 45.2
Arizona..... 63.3	Wisconsin..... 55.9	Delaware..... 44.2
Louisiana..... 62.5	Maine..... 55.7	Connecticut..... 42.4
New Mexico..... 62.5	Idaho..... 55.4	South Carolina..... 35.6
Oregon..... 62.3	Wyoming..... 52.7	Rhode Island..... 32.3
Illinois..... 62.1	Colorado..... 52.3	
Michigan..... 61.9	Alaska..... 51.9	Total..... 55.3
South Dakota..... 61.8	Tennessee..... 51.7	Median..... 57.9

*Materials and supplies*, including expenditures for freight, travel, repairs, etc., for operation and maintenance constitute 25 per cent of the total expense, ranging from 8 per cent in Alaska Agricultural College and School of Mines to 38.6 per cent in Connecticut Agri-

<sup>1</sup> See Tables 14 and 15.

cultural College. The median is 26 per cent—that is half of the land-grant colleges spent more, and half spent less than 26 per cent for operation and maintenance exclusive of salaries and wages.

*Proportion of expenditures for materials and supplies for operation and maintenance*

	Per cent		Per cent		Per cent
Connecticut.....	38.6	Michigan.....	28.0	West Virginia.....	21.6
South Carolina.....	37.5	Pennsylvania.....	28.0	Wyoming.....	21.4
Nebraska.....	37.0	South Dakota.....	27.3	Montana.....	19.9
New Mexico.....	36.6	Virginia.....	27.3	Tennessee.....	19.5
New York.....	36.2	Florida.....	26.7	Oregon.....	19.1
Texas.....	35.2	Nevada.....	26.2	Rhode Island.....	18.8
Mississippi.....	34.3	Maine.....	26.1	Kansas.....	18.4
Alabama.....	34.2	Ohio.....	26.1	Massachusetts (M.	
Maryland.....	33.2	Minnesota.....	26.0	I. T.).....	18.4
Colorado.....	32.0	Georgia.....	25.8	Arkansas.....	18.0
Missouri.....	30.9	North Carolina.....	25.6	Washington.....	17.1
New Hampshire.....	29.4	New Jersey.....	25.4	Illinois.....	16.9
Arizona.....	29.3	Vermont.....	25.4	Hawaii.....	14.8
Louisiana.....	29.1	Indiana.....	24.7	California.....	13.9
Idaho.....	28.8	Kentucky.....	24.3	Porto Rico.....	11.4
Massachusetts (M.		Utah.....	23.7	Alaska.....	7.8
A. C.).....	28.7	Oklahoma.....	22.9		
North Dakota.....	28.3	Iowa.....	22.6	Total.....	25.2
Wisconsin.....	28.2	Delaware.....	22.0	Median.....	26.0

*Capital outlay for departmental equipment*, such as furniture, books, apparatus, machinery, livestock, museum, illustrative specimens, etc., for permanent use, amounted to 3.6 per cent of the total expenditures, ranging from nothing in Connecticut Agricultural College and New Mexico College of Agriculture and Mechanic Arts, to 11.3 per cent in Alaska Agricultural College and School of Mines.

*Proportion of expenditures for departmental equipment (capital outlay)*

	Per cent		Per cent		Per cent
Alaska.....	11.3	Oklahoma.....	4.0	Oregon.....	2.7
Porto Rico.....	9.1	Arizona.....	3.9	Georgia.....	2.6
Idaho.....	7.0	Utah.....	3.9	South Carolina.....	2.4
Florida.....	6.6	Iowa.....	3.7	West Virginia.....	2.3
Kansas.....	6.1	Nevada.....	3.7	Alabama.....	2.0
Arkansas.....	5.9	New Jersey.....	3.7	Delaware.....	1.8
Indiana.....	5.6	Hawaii.....	3.6	Rhode Island.....	1.7
Washington.....	5.6	South Dakota.....	3.5	Massachusetts (M.	
Tennessee.....	5.2	New Hampshire.....	3.3	A. C.).....	1.6
Colorado.....	4.9	Wisconsin.....	3.3	North Carolina.....	1.6
Virginia.....	4.9	Kentucky.....	3.2	Louisiana.....	1.5
Minnesota.....	4.8	Montana.....	3.1	Wyoming.....	1.3
Vermont.....	4.8	California.....	3.0	Mississippi.....	1.1
Illinois.....	4.7	Massachusetts (M.		New York.....	.4
Nebraska.....	4.7	I. T.).....	3.0		
Ohio.....	4.7	Michigan.....	3.0	Total.....	3.6
Maryland.....	4.4	North Dakota.....	3.0	Median.....	3.6
Maine.....	4.2	Pennsylvania.....	3.0		
Texas.....	4.1	Missouri.....	2.9		

*Capital outlay for lands and buildings* includes all expenditures for land, improvements on land, buildings, and additions or betterments to existing buildings, but not repairs. Nearly 13 per cent of the total expenditures are reported under this item, ranging from 0.6 per cent in the University of Vermont to 47.2 per cent in Rhode Island State College. Several institutions have in progress extensive building programs which accounts for the relatively high proportion of expenditures for capital outlay and the relatively low proportion of money for salaries and wages. Over one-fourth of the expenditures in Rhode Island State College, University of Delaware, Alaska Agricultural College and School of Mines, and Rutgers University (N. J.), went for capital outlay for lands and buildings last year.

*Proportion of expenditures for lands and buildings (capital outlay)*

	Per cent		Per cent		Per cent
Rhode Island	47.2	Maine	14.0	Kentucky	5.7
Delaware	32.0	Iowa	13.5	Arkansas	5.4
Alaska	28.2	Pennsylvania	11.9	Massachusetts (M.	
New Jersey	25.2	Wisconsin	11.7	A. C.)	5.4
Washington	24.8	Nebraska	11.4	Utah	5.0
South Carolina	24.5	West Virginia	11.0	Georgia	4.4
Hawaii	24.1	Colorado	10.9	Nevada	4.2
California	21.9	Indiana	10.9	North Dakota	4.2
Tennessee	21.0	Texas	10.2	Mississippi	3.7
Massachusetts (M.		Oklahoma	8.9	Arizona	3.5
I. T.)	20.5	Idaho	8.8	New York	3.3
New Hampshire	20.5	Ohio	8.7	Missouri	3.1
Virginia	19.9	Kansas	8.6	Montana	1.6
Wyoming	19.6	Florida	8.1	Maryland	.9
Connecticut	18.5	Porto Rico	7.5	New Mexico	.9
North Carolina	16.3	South Dakota	7.4	Vermont	.6
Oregon	15.9	Alabama	7.2		
Minnesota	15.3	Michigan	7.1	Total	12.9
Illinois	15.1	Louisiana	6.9	Median	10.6

*Trust funds* include all expenditures for noneducational purposes from trust funds such as fellowships, scholarships, student loans, etc., exclusive of investment transactions. Three per cent of all expenditures are reported under this item, but the median is only 0.3 per cent. Twenty institutions report nothing under this item.

*Proportion of expenditures reported under trust funds*

	Per cent		Per cent		Per cent
Arkansas	24.2	Nevada	1.4	Pennsylvania	0.3
California	11.6	Illinois	1.2	Texas	.3
Massachusetts (M. I. T.)	10.6	Iowa	1.1	Hawaii	.2
Alabama	6.9	Virginia	.9	Minnesota	.06
Minnesota	6.4	Wisconsin	.9	Utah	.05
Oklahoma	6.3	Alaska	.8	Kentucky	.03
Wyoming	5.0	Washington	.8	Arizona	.02
Missouri	3.2	Indiana	.7	20 colleges	0
Georgia	2.7	Connecticut	.5	Total	3.0
Tennessee	2.6	Kansas	.5	Median	.3
New York	2.2	New Jersey	.5		
Vermont	2.2	Porto Rico	.4		
		New Hampshire	.3		

## NEW BUILDINGS

The total cost of new buildings and additions to buildings completed during the year ended June 30, 1928, was \$15,465,976.

Table 4.—SUMMER SCHOOLS—Staff and enrollment year ended June 30, 1928

Land-grant college located in—	Weeks in summer session	Members of instructional staff		Enrollment of students							
				Noncollegiate or secondary		Collegiate or undergraduate		Graduate		Total	
				Men	Women	Men	Women	Men	Women	Men	Women
		3	4	5	6	7	8	9	10	11	12
Alabama	12	39	16	24	13	329	110	111	34	464	157
Alaska <sup>1</sup>											
Arizona	12	23	2	0	0	100	117	34	24	134	141
Arkansas	6	30	18	24	58	143	491	33	34	200	583
California	6	316	71			1,700	4,733	1,020	2,315	2,810	7,046
Colorado	11	53	20	16	54	108	224	112	61	236	339
Connecticut <sup>1</sup>											
Delaware	6	9	20			27	267			27	267
Florida	8	62	19	205	364	180	434	40	46	425	844
Georgia	9	73	36			276	1,394	63	41	339	1,435
Hawaii	4	15	4			30	147	20	39	50	186
Idaho	9	21	6	2	2	59	166	39	19	100	187
Illinois	8	193	40			901	759	435	169	1,332	918
Indiana	9	47	9			385	100	68	24	453	134
Iowa	11	106	59	4	17	513	623	334	159	851	790
Kansas	13	101	31	3		276	499	117	71	396	570
Kentucky	10	82	11			428	578	236	90	664	668
Louisiana	12	67	22			293	472	115	72	408	544
Maine	6	28	7			132	167	20	15	152	183
Maryland	6	37	16			120	378	58	16	178	394
Massachusetts:											
Amherst	5	15	4			26	75	27	21	53	94
Cambridge	15	123	2			1,332	116			1,332	116
Michigan	10	65	12			221	263	79	17	300	280
Minnesota	11	352	104	0	0	1,735	2,609	734	366	2,469	2,973
Mississippi	9	30	5	3	141	165	106			168	247
Missouri	8	132	27	63	119	462	858	380	275	905	1,203
Montana <sup>1</sup>											
Nebraska	12	129	63	43	144	716	2,220	222	243	981	2,607
Nevada	6	11	5	9	20	5	24	7	65	21	109
New Hampshire	6	32	4			146	142			146	142

<sup>1</sup> No summer school.

Table 4.—SUMMER SCHOOLS—Staff and enrollment year ended June 30, 1928—Continued

Land-grant college located in—	Weeks in summer session	Members of instructional staff		Enrollment of students							
				Noncollegiate or secondary		Collegiate or undergraduate		Graduate		Total	
		Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12
New Jersey.....	6	57	32	31	36	419	828	15	16	465	880
New Mexico.....	8	8	9	0	0	21	64			21	64
New York.....	6	178	22	0	0	537	534	161	168	698	702
North Carolina.....	6	56	2	0	0	180	85	11	0	191	85
North Dakota.....	6	19	3	0	0	41	116	15	18	56	134
Ohio.....	11	233	16	0	0	890	1,145	749	296	1,639	1,441
Oklahoma.....	8	138	55	30	109	307	835	35	40	372	984
Oregon.....	6	19	24	202	354	196	342	51	90	449	785
Pennsylvania.....	6	128	49	0	0	851	1,744	130	74	981	1,818
Porto Rico.....	6	22	14	190	413	149	396	2	5	341	814
Rhode Island <sup>1</sup> .....											
South Carolina.....	6	17	0			33	0			33	0
South Dakota.....	6	24	4	6	15	46	79	17	4	69	98
Tennessee.....	12	30	11	0	0	370	740	73	83	443	823
Texas.....	12	70	0	0	0	486	52	47	0	533	52
Utah.....	6	62	16	0	0	176	218	78	28	254	246
Vermont.....	6	26	15	2	0	123	750			125	750
Virginia.....	12	32	0	1	2	166	31	24	1	191	34
Washington.....	9	25	10	0	0	79	197	55	42	134	239
West Virginia.....	12	98	17			430	547	140	75	570	622
Wisconsin.....	6	184	52	10	57	1,270	2,120	770	942	2,060	3,119
Wyoming.....	11	46	33	0	0	147	761	51	28	198	789
Total.....		3,660	1,017	868	1,918	17,815	29,656	6,728	6,116	25,411	37,690

<sup>1</sup> No summer school.

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Table 5.—STAFF—Members of administrative and instructional staff, year ended June 30, 1928

Land-grant college located in—	General administration		Resident instruction						Extension instruction						Research						Grand total											
	Men	Women	College, professional, and graduate	Summer session (additional staff)		Subcollegiate or secondary	Total on full time	All correspondence study service	Class extension		Agriculture and home economics (central)		County, home, and club agents		Total full-time staff	Agricultural experiment station	Engineering experiment station, etc.	Total full-time staff	Men	Women	Men	Women										
				Men	Women				Men	Women	Men	Women	Men	Women									Men	Women	Men	Women	Men	Women	Men	Women		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Alabama.....	21	3	105	61	9	11	75	16	5	0	19	7	69	37	44	36	0	242	64	242	64	242	64	242	64	242	64	242	64	242	64	
Alaska.....	4	2	13	4			10	4											15													
Arizona.....	12	5	110	31	5		100	29	1	2	6	1	13	3	6	32	1	165	42	165	42	165	42	165	42	165	42	165	42	165	42	
Arkansas.....	18	9	113	25	9	7	122	32	43	14	30	6	43	14	30	6	31	5	307	130	307	130	307	130	307	130	307	130	307	130	307	130
California.....	51	10	1,261	330	100	38	1	3	47	15	416	236	24	10	85	27	51	1	2,030	670	2,030	670	2,030	670	2,030	670	2,030	670	2,030	670	2,030	670
Colorado.....	11	7	89	21	23	8	99	21	0	0	0	0	17	3	25	9	44	5	178	52	178	52	178	52	178	52	178	52	178	52	178	52
Connecticut.....	20	5	64	9	0	10	26	5	0	0	0	0	17	7	15	3	15	2	104	30	104	30	104	30	104	30	104	30	104	30	104	30
Delaware.....	6	5	57	21	2	8	46	26	3	1	0	0	5	1	4	3	20	0	77	26	77	26	77	26	77	26	77	26	77	26	77	26
Florida.....	32	11	149	6	22	19	143	14	47	16	4	10	8	45	31	36	65	4	429	88	429	88	429	88	429	88	429	88	429	88	429	88
Georgia.....	15	4	57	15	44	28	103	45	1				42	15	120	80	101	3	253	132	253	132	253	132	253	132	253	132	253	132	253	132
Hawaii.....	8	5	54	13	9	3	51	14	13	7	1	0	2	0	3	1	15	5	178	26	178	26	178	26	178	26	178	26	178	26	178	26
Idaho.....	8	9	70	21	4	2	43	12	35	0	8	3	31	9	37	10	59	3	106	223	106	223	106	223	106	223	106	223	106	223	106	223
Illinois.....	42	14	910	173	10	7	581	138	14	0	18	10	17	10	59	3	49	6	1,106	223	1,106	223	1,106	223	1,106	223	1,106	223	1,106	223	1,106	223
Indiana.....	16	5	260	22	3	4	224	23	9	1	32	10	85	1	120	11	97	6	476	45	476	45	476	45	476	45	476	45	476	45	476	45
Iowa.....	19	15	335	107	3	4	211	89	9	9	54	21	100	15	149	36	91	5	460	134	460	134	460	134	460	134	460	134	460	134	460	134
Kansas.....	18	10	241	83	5	2	110	70	5	2	66	14	68	24	106	40	103	12	375	136	375	136	375	136	375	136	375	136	375	136	375	136
Kentucky.....	6	2	191	29	19	2	210	31	26	2	34	8	95	25	123	34	56	7	299	120	299	120	299	120	299	120	299	120	299	120	299	120
Louisiana.....	30	20	116	31	7	1	116	31	30	3	4	0	21	7	63	32	29	0	196	53	196	53	196	53	196	53	196	53	196	53	196	53
Maine.....	17	5	114	24	10	3	107	20	5	1	2	2	17	7	17	17	17	7	166	53	166	53	166	53	166	53	166	53	166	53	166	53
Maryland.....	20	8	405	40	9	11	122	32	3	1	5	5	35	25	28	46	2	535	80	535	80	535	80	535	80	535	80	535	80	535	80	
Massachusetts: Amherst.....	9	2	65	6	1	3	80	10	1	0	17	5	27	22	43	27	31	9	174	38	174	38	174	38	174	38	174	38	174	38	174	38
Cambridge.....	15	3	397	2	9	2	378	4											463	4	463	4	463	4	463	4	463	4	463	4	463	4





Table 6.—ENROLLMENT, Part I—Students of college grade, year ended June 30, 1928

Land-grant college located in—	Nonresident students in courses for college credit										Resident students in regular college work										Grand total (columns 2 to 22) 1			
	Extension classes and courses		Correspondence study		Total		Military drill		Undergraduate		Special		Graduate school		Summer session, 1927		Total as of Oct. 31, 1927 1		Total year ending June 30, 1928, excluding summer session 1				Total, including summer session 1	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women			Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Alabama	375	751			375	751	1,129	1,438	126	26	3	17	41	440	144	1,477	133	1,481	133	1,921	277	2,296	1,028	
Alaska							35	40	14	11	17	1	0			42	22	52	31	134	141	52	31	
Arizona	52	181	142	338	194	519	1,089	1,101	640	87	94	62	49	134	141	1,080	660	1,250	783	1,34	1,41	1,486	1,383	
Arkansas	324	761	308	384	632	1,345	1,633	997	537	19	25	19	25	176	525	1,001	554	1,016	562	1,129	1,029	1,661	2,249	
California	294,609		25,240		29,849		3,228	8,264	8,863	118	124	897	1,032	2,810	7,048	8,223	8,740	9,051	9,699	10,678	15,159	15,686		
Colorado							605	843	339	70	97	25	14	220	285	839	321	920	424	191	256	1,111	681	
Connecticut							272	367	161			1	0			353	150	367	161	367	161	367	160	
Delaware	0	19			0	19	280	387	311			9	0	27	267	396	311	396	311	423	578	423	597	
Florida	236	809	396	792	632	1,601	1,240	1,931	4	66	5	65	6	230	480	1,897	7	2,062	15	2,136	492	2,768	2,093	
Georgia			45	0	45	0	390	791	233	14	16	14	3	339	1,435	1,815	269	819	272	1,083	1,631	1,128	1,683	
Hawaii	60	208			60	208	266	424	199			23	32	50	186	440	226	444	228	477	373	536	547	
Idaho			137	231	137	231	838	1,170	634	18	4	60	26	98	185	1,248	664	1,248	664	1,312	773	1,428	905	
Illinois	62	119			62	119	3,479	8,654	3,095	63	47	687	243	1,336	918	8,870	3,163	9,368	3,370	10,059	4,012	10,121	4,131	
Indiana	139	66	39	0	178	66	1,618	3,005	607	54	37	112	15	453	124	3,012	611	3,171	659	3,200	730	3,375	796	
Iowa							1,500	2,608	1,219	67	3	330	114	847	782	2,787	1,246	3,057	1,334	3,470	1,833	3,470	1,833	
Kansas	19	407	407	460	407	479	1,344	1,918	1,024	45	43	110	57	393	570	1,794	1,031	2,073	1,124	2,294	1,497	2,633	2,036	
Kentucky	120	892	176	374	283	1,048	757	1,638	717	33	201	119	83	664	688	1,601	792	1,790	1,001	2,210	1,492	2,493	2,540	
Louisiana	117	377	70	99	267	476	609	1,317	512	23	30	61	16	408	544	1,401	569	1,401	569	1,809	1,113	2,096	1,589	
Maine	29	82	26	40	55	122	510	1,012	287	8	19	16	16	152	182	1,037	309	1,048	311	1,187	478	1,242	600	
Maryland	158	34	158	34	158	34	467	2,198	390	20	13	89	7	178	394	2,259	401	2,307	410	2,429	784	2,587	818	
Massachusetts							279	414	121	3	0	49	6	53	96	466	127	466	127	506	222	506	222	
Amherst							1,243	2,268	47	24	1	372	2	1,332	116	2,662	50	2,662	50	3,019	140	3,019	140	
Cambridge																								

Michigan.....	31	106	12	33	53	1,247	2,004	866	2	7	133	34	300	280	1,945	743	2,137	907	2,284	1,092	2,317	1,185	
Minnesota.....	2,916	3,107	1,146	1,324	3,992	4,316	2,564	4,359	0	15	1,004	380	2,469	2,975	6,867	4,183	7,807	4,745	8,997	6,854	12,388	10,460	
Mississippi.....						809	1,383				24	0	165	106	1,791	6	1,422	9	1,465	1,115	1,465	115	
Missouri.....	191	593	671	1,210	858	1,741	3,059	1,258	39	51	231	142	842	1,133	3,104	1,317	3,329	1,451	3,890	2,362	4,548	3,855	
Montana.....						409	696	279		19	14	14			647	258	718	293	718	293	718	293	
Nebraska.....	143	311	385	1,362	516	1,644	3,755	2,694	56	66	221	165	938	2,463	3,687	2,653	4,032	2,925	4,533	4,789	4,754	5,630	
Nevada.....						232	550	373	7	8	25	39	12	89	572	412	582	420	1,277	429	582	429	
New Hampshire.....						700	1,122	464	11	28	24	9	146	142	1,157	501	1,157	501	1,277	626	1,277	626	
New Jersey.....	611	1,748	12	2	623	1,750	1,587	1,039		53		6	434	844	1,640	1,045	1,640	1,045	1,901	1,425	2,524	3,175	
New Mexico.....						164	196	73	9	20	1	1	21	64	200	92	206	94	220	148	220	148	
New York.....						1,901	3,754	1,141	51	30	614	163	698	702	4,351	1,320	4,351	1,320	5,084	2,275	5,084	2,275	
North Carolina.....						657	1,407	5	50	4	60	5	191	85	1,422	10	1,527	14	1,589	99	1,817	410	
North Dakota.....						612	811	381	3	2	-15	7	56	134	719	340	829	390	840	487	875	519	
Ohio.....	714	165			714	165	4,000	3,074		713	332	1,639	1,441	7,108	3,075	7,816	3,406	8,746	4,300	9,460	4,465		
Oklahoma.....	75	185	297	691	372	876	1,647	947	78	68	48	25	342	875	1,582	918	1,773	1,040	1,971	1,650	2,303	2,381	
Oregon.....	39	0			39	0	1,561	2,487	1,182	49	14	59	27	247	432	2,551	1,211	2,595	2,842	2,275	2,861	1,655	
Pennsylvania.....	172	171	3,293	3,293	3,445	3,464	3,231	492	66	61	133	32	981	1,818	3,315	539	3,452	585	4,127	2,326	7,592	5,790	
Porto Rico.....						355	487	705	11	65	5	11	151	401	501	778	503	781	654	1,182	654	1,182	
Rhode Island.....						255	401	117	6	8	4	0			402	124	411	125	411	125	411	125	
South Carolina.....						1,074	1,199	0	0	13	0	0	33	0			1,212	0	1,245	0	1,245	0	
South Dakota.....						651	570	297	21	7	17	5	63	43	962	306	608	309	649	345	649	345	
Tennessee.....	172	158	240	233	412	391	523	2,000	80	50	44	31	443	823	1,929	796	2,112	1,002	2,185	2,195	2,597	2,586	
Texas.....	140	0			140	0	2,260	2,436	0	45	67	0	533	52	2,444	0	2,548	0	2,725	52	2,865	52	
Utah.....	18	13	167	137	185	150	377	679	585	52	18	10	254	246	536	444	721	501	933	706	1,043	809	
Vermont.....						437	746	477		5	7	123	750	739	480	751	494	484	874	1,234	874	1,234	
Virginia.....						1,107	1,151	45	6	0	60	4	190	32	1,302	49	1,217	49	1,256	78	1,256	78	
Washington.....	175	704	249	292	413	976	939	1,900	1,096	15	8	56	27	134	239	1,692	1,023	1,871	1,950	1,267	2,363	2,243	
West Virginia.....	32	0			32		954	1,859	1,001	19	39	220	92	570	622	1,732	727	2,068	1,132	2,668	1,754	2,700	
Wisconsin.....	554	894	2,790	2,944	3,344	3,838	1,474	5,276	3,224	24	60	726	362	2,040	3,062	5,530	3,412	6,026	7,251	6,147	10,595	9,985	
Wyoming.....	26	115	375	374	401	489	372	568	63	61	18	22	198	789	581	669	534	824	1,244	1,244	1,225	1,733	
Total.....	32,260	12,590	16,642	14,827	48,912	26,946	54,096	103,619	48,577	1,559	1,427	7,790	3,719	24,543	35,772	103,821	47,677	112,565	52,200	124,745	80,425	189,788	91,547

1 Men and women.

1 Excluding duplicates.

Table 6.—ENROLLMENT, Part II—Students not of college grade, year ended June 30, 1928

Land-grant college located in—	Nonresident students in noncredit courses						Resident students in—										Grand total of all students of Parts I and II of this table								
	Extension classes and courses		Correspondence courses		Total		Practice school or training school owned by institution		Secondary school				Courses of less than 10 days' duration		Short courses of 10 days to 1 year duration		Total of columns 25 to 44		Men	Women					
	Men	Women	Men	Women	Men	Women	Term time		Summer school		Men	Women	Men	Women	Men	Women	Men	Women							
							Boys	Girls	Boys	Girls															
1	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
Alabama																									
Alaska																									
Arizona																									
Arkansas																									
California	17,057		12,693	154	19,750	291	1-5	123	101	24	58	1,672	2,211												
Colorado																									
Connecticut																									
Delaware																									
Florida	15	450	127	255	142	705	1-3	20	21	187	343	205	304												
Georgia																									
Hawaii	240	120			240	120																			
Idaho																									
Illinois																									
Indiana																									
Iowa																									
Kansas																									
Kentucky	31	30		32	49	32																			
Louisiana	47	115	1	3	48	118	7-11	63	65																
Maine																									
Maryland	176			176	176	0	1-12	47	28	2	0														
Massachusetts	9,932	17,745	86	13	10,018	17,758																			
Amherst																									
Cambridge																									

Michigan	336	143	39	143	9-12	135	85	25	3	110	813	0	7	163	9	218	9	218	1,654	11,921	12,114	1,194	
Minnesota																			141	1,408		256	
Mississippi																							
Missouri	73	10	73	10	1-6	53	71	129	120	63	119	4,315	2	89	0	4,649	310	4,722	320	9,270	4,175	4,175	
Montana																							
Nebraska	127	138	132	300	259	438	9-12	142	134	242	43	144	47	32	0	243	110	233	110	951	403	403	
Nevada																							
New Hampshire																							
New Jersey	2,508	707	2,389	36	4,896	741		192	0	31	36	242	124	3	95	7	460	167	5,356	910	7,880	4,085	4,085
New Mexico																							
New York																							
North Carolina																							
North Dakota																							
Ohio																							
Oklahoma																							
Oregon																							
Pennsylvania																							
Porto Rico																							
Rhode Island																							
South Carolina																							
South Dakota																							
Tennessee	330	24	44	11	374	35		215	63	6	15	133	37	133	0	244	78	234	78	883	423	423	
Texas																							
Utah																							
Vermont																							
Virginia																							
Washington																							
West Virginia	1,352	2	23	9	23	9		82	0	1	84	19	2	63	18	84	20	107	29	2,470	2,272	2,272	
Wisconsin	3,056	1,321	4,722	1,940	7,778	3,301	7-9	194	189	16	8	10	57	243	0	2,033	950	9,831	4,251	20,426	14,236	14,236	
Wyoming																							
Total	25,283	52,678	13,794	9,644	39,077	62,322		1,407	1,472	2,569	1,303	868	1,935	33,888	23,935	94	4,495	1,691	43,270	30,347	82,347	92,669	272,135,184,216

1 Men and women not separated in nonresident courses.



Table 7.—ENROLLMENT BY MAJOR COURSES OF STUDY—year ended June 30, 1928

Land-grant college located in—	Engineering courses														Total in engineering	Total, excluding duplicates														
																	Men	Women												
	Agricultural	Architectural	Chemical	Civil	Electrical	Mechanical	Mining	Other	Unclassified students	Men	Women	Agriculture	Forestry	Veterinary					Home economics	Arts and science	Architecture	Commerce and business	General education	Vocational education	Fine arts	Music	Journalism	Law	Dentistry	Medicine
1	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Men	Women
Alabama										702	1	66	15	55	297	72	16	118	170									38	1,438	126
Alaska			2	7	334	118	16			25	0				5	5	231	301										40	1,101	14
Arizona	2					45	35			244	0	68	34	34	34	674	42	380			30				69			597	640	537
Arkansas				5		32	42		230	317	1	75	89	89	885	16	1,152	3,061			9			342	298	261		8,294	8,863	
California						868	118			1,307	3	337	112	110	406	16					133	42						843	339	
Colorado						32	37		193	282	0	204	109	60	232	212	(1)	(1)			42							367	161	
Connecticut						61				61	0	353	(1)	92	(1)	(1)												367	311	
Delaware						36	62		7	162	0	19	52	52	370	49	301	309										357	4	
Florida						69	63		81	250	0	113	618	49	618	49	301	309										1,931	253	
Georgia	12	1				59	10			82	0	162	25	15	143	164	328	74									791			
Hawaii						49				48	1	34	24	24	212	212	56	179										424	199	
Idaho						35	100			189	0	101	91	85	476	21	322	368										1,170	634	
Illinois						115	361			1,633	1	741	324	324	1,211	223	1,912	918										8,654	3,085	
Indiana						230	565			2,235	1	324	32	43	450	450	12	12										3,005	907	
Iowa						241	434			1,394	5	554	116	119	1,088	487	62											2,668	1,219	
Kansas						203	408			891	2	366	76	508	448	448	219											1,918	1,024	
Kentucky						56				443	2	122	107	107	1,007	62	268											1,638	717	
Louisiana						46	100			265	6	177	36	63	838	63	97											1,317	512	
Maine						112	168			457	1	87	126	65	549	549												1,012	287	
Maryland						37	28			231	0	116	53	53	539	539												2,196	390	
Massachusetts:																														
Amherst										963	2	535				168												414	121	
Cambridge	90		233	209	445	273	43			7,963	2																	2,266	47	
Michigan						94	63			572	0	401	54	30	407	1,311												2,004	868	
Minnesota						227	430			1,482	27	222	207	435	5,026	435	397											6,799	4,359	
Mississippi	8	261				58	22			621		544			268	268												1,351	0	

Missouri	76	188	191	74,116	61	220	912	24	237	44	1,922	204	438	56	63	323	151	76	27	3,059	1,258			
Montana	69	36	172	102	8	200	386	1	140	77	1,922	146	29	3	36	171	102	119	193	7,699	3,279			
Nebraska	80	185	285	104	1	24	742	3	268	260	1,764	772	1,415	802	171	174	102	303	114	3,755	2,694			
Nevada	56	32	81	31	32	0	176	0	31	32	638	46							67	550	373			
New Hampshire	52	45	124	67	31	1	375	1	105	81	823	52								1,122	464			
New Jersey		48	29	18	7	78	178	0	94	104	1,819	22							392	1,587	1,009			
New Mexico	4	9	24	20	57	0	114	0	43	30	60	22								190	73			
New York		352	333	448			1,130	5	471	471	1,863	187								3,754	1,141			
North Carolina	74	62	131	224	91	4	609	0	164	111	41	332	32	117	109			274	117	1,407	5			
North Dakota	4	5	42	9	23	174	174	0	163	148	259	53	195					96	104	811	381			
Ohio	155	127	260	361	210	118	1,570	6	489	100	352	2,544	85	1,976	( )	( )	305	285	329	7,103	3,074			
Oklahoma	11	78	61	116	231	76	48	617	4	279	554	479	389	( )	( )			211	52	1,647	947			
Oregon	108	124	165	97	52	312	852	6	300	476	1,467	1,146	517						52	2,487	1,182			
Pennsylvania	87	65	233	398	214	83	1,362	1	474	180	709	72	401	383	77				35	3,231	492			
Porto Rico		127			8	135	0	75	55	55	159	38	680			28		58	14	487	705			
Rhode Island	16	32	69	10	86	219	0	23	60	60	96	86								401	117			
South Carolina	107	39	19	19	121	301	587	0	424	124	239	140	285	13	13			22	22	1,199	0			
South Dakota	20	37	5	5	126	187	1	125	179	148	732	299	457			50	104	342	6	570	297			
Tennessee	17	75	182	50	74	397	1	179	179	148	732	299	457					101	112	2,000	922			
Texas	147	244	431	254	36	1,151	0	602	602	10	358	183		65					67	2,436	0			
Utah		32	69	10	97	97	0	175	175	123	365	200	192					130		689	483			
Vermont		56	54	40	40	159	0	33	33	80	824									746	477			
Virginia	51	134	312	104	16	645	1	83	18	18	95	285	69							1,151	45			
Washington	45	48	157	71	42	109	452	20	205	164	1,118		315	145	127	( )		120	134	1,800	1,098			
West Virginia	55	87	158	45	37	386	2	107	107	182	1,488		220	5	142	( )	150	111	47	1,859	1,001			
Wisconsin	104	266	356	208	25	955	2	303	303	308	5,384	201	( )	230	147	128	304	259	117	5,276	3,224			
Wyoming	30	80	64	21	22	158	1	64	64	48	349	138	229	19	4	29				588	451			
Total	300	1,353	2,199	6,112	1,224	4,450	30,794	127	11,481	1,076	612	8,151	53,903	1,547	12,158	15,652	1,103	872	877	3,924	2,978	3,352	103,619	47,577
Per cent.	0.2	0.9	1.4	4.0	5.6	3.7	0.6	0.8	7.4	0.7	0.4	5.3	34.9	1.0	7.9	10.1	0.7	0.5	0.6	1.1	2.5	1.9	2.2	110.0

<sup>1</sup> Included in agriculture.  
<sup>2</sup> Excludes 19 graduates.  
<sup>3</sup> Excludes 14 graduates.  
<sup>4</sup> Included in general education.  
<sup>5</sup> Included in commerce and business.  
<sup>6</sup> Included in column 2.  
<sup>7</sup> Included in architecture.  
<sup>8</sup> Included in arts and science.  
<sup>9</sup> Excludes 1,840 duplicates.  
<sup>10</sup> Excludes 1,198 duplicates.  
<sup>11</sup> 100 per cent equals 154,231 students.



Table 8.—DEGREES, Part I—Baccalaureate and advanced degrees conferred, year ended June 30, 1928

Land-grant college located in—	Agriculture				Home economics	Arts and science				Architecture		Commerce and business		Education, general				Vocational education		Music		Journalism					
	First degrees		Masters	Doctors		Forestry, men	Veterinary, men	First degrees	Masters	Doctors	Men	Women	Men	Women	Men	Women	Masters	Doctors	Men	Women	Men	Women	Men	Women			
	Men	Women																									
1	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Alabama.....	15	0				5	14	35	2	2	2	8	0	1	0	33	8	5		18	0						
Alaska.....							7	34	1	10				16	2	20	72	6						0	2		
Arizona.....	10	0	3				11	29	33	5				8	0	13	23	5						1	3		
Arkansas.....	53	0	28		(1)		43	467	844	193	46			137	15	41	276	30	8			9	48	6	12		
California.....	30	0	5		6	12	21	14	7	5	0							7						0	1		
Colorado.....	40	8	1				8	32	26	7																	
Connecticut.....	2	0	4		3	5	8	35	0	9	0			19	1	30	5	3									
Delaware.....	13	0					25	18	2	1	0			51	1	0	2										
Florida.....	36	0																									
Georgia.....	3	0					4	24	9	2				8	0	4	27	3									
Hawaii.....	11	0					15	27	44	15				28	13	30	33	16						0	2		
Idaho.....	87	4	12	4	13		53	214	309	149	35	13	0	276	17	109	176	35	1					5	5	8	5
Illinois.....	51	0	9				61	36	6	6																	
Indiana.....	79	0	44	4	19	16	166	54	22	59	22	5	1					11									
Iowa.....	59	1	16		2	20	04	36	41	49	41	3	0	15	5												
Kansas.....	19	0	5				21	81	99	41				22	0	19	62	13									
Kentucky.....	21	0	6		3		8	39	49	22				3	0	8	22	1									
Louisiana.....	24	1			20		14	47	34	8				1	1	13	18	3									
Maine.....	22	2	17	4			7	45	14	8	3																
Maryland.....																											
Massachusetts:	92	20	8	1																							
Amherst.....								25	2																		
Cambridge.....								73	52	19				111	22	130	374	1									
Michigan.....	52	1	15	2	18	4	63	214	170	140	55			5	0	11	0										
Minnesota.....	27	1			26		50	14	0	2																	
Mississippi.....	24	0	1				10	108	62	71	2			49	10	21	187	93									
Missouri.....	53	0	15				10																				

Montana.....	17	0	0	14	145	136	3	7	0	1	5	5	178	0	1	2	8
Nebraska.....	21	0	0	57	46	51	1	5	79	8	38	178	0	1	2	51	5
Nevada.....	5	0	0	1	79	73	7	0	0	0	0	0	0	0	0	0	0
New Hampshire.....	19	0	0	15	79	73	7	0	0	0	0	0	0	0	0	0	0
New Jersey.....	10	0	0	24	119	112	2	0	2	1	3	0	0	0	0	0	0
New Mexico.....	10	0	1	3	3	3	2	0	2	1	1	0	0	0	0	0	0
New York.....	111	28	15	390	136	132	95	15	4	2	1	2	2	0	0	0	0
North Carolina.....	29	0	0	7	4	0	8	2	36	0	7	1	7	15	0	0	0
North Dakota.....	23	0	0	9	4	13	3	4	0	0	13	23	0	0	0	0	0
Ohio.....	86	0	0	65	169	118	14	8	1	184	46	66	253	255	44	0	0
Oklahoma.....	49	0	0	29	56	37	14	0	0	35	4	28	30	1	0	0	0
Oregon.....	43	0	0	1	87	84	5	0	0	84	37	16	54	2	0	0	0
Pennsylvania.....	83	1	0	21	122	24	11	8	1	85	1	38	79	13	27	0	0
Porto Rico.....	10	0	0	6	14	7	0	0	0	4	4	28	0	0	0	0	0
Rhode Island.....	7	0	0	18	11	0	0	0	0	14	0	0	0	0	0	0	0
South Carolina.....	77	0	0	18	0	0	0	11	0	0	0	0	0	5	0	0	0
South Dakota.....	14	0	0	25	20	14	1	0	11	2	0	14	42	6	0	0	0
Tennessee.....	25	1	0	22	38	64	10	0	14	0	0	0	0	0	0	0	0
Texas.....	86	0	0	2	33	0	3	16	0	0	0	0	0	28	0	0	0
Utah.....	21	0	0	22	24	17	4	0	38	0	17	10	2	0	0	0	0
Vermont.....	9	0	0	15	63	71	6	0	0	0	0	0	0	0	0	0	0
Virginia.....	11	0	0	3	3	2	3	0	36	1	0	0	0	11	0	0	0
Washington.....	22	0	0	7	86	59	18	0	0	0	0	0	0	0	0	0	0
West Virginia.....	15	0	0	28	106	105	33	0	0	0	0	0	0	0	0	0	0
Wisconsin.....	41	0	0	76	311	464	280	4	63	10	5	11	06	11	26	3	18
Wyoming.....	6	0	0	22	22	14	11	0	4	7	5	14	2	3	5	0	0
Total.....	1,663	68	7,6	336	46	1,397	3,491	3,466	1,534	273	112	8	1,453	217	77	2,058	560
Per cent.....	6.1	2.6	30.1	5.5	7.2	12.3	18.75	11.1	1.22	0.4	0.5	1.1	0.9	0.5	1.1	0.9	0.9

1 Degrees to 5 men included.  
2 Degrees to 7 men included.

3 Included in arts and sciences.  
4 Degrees to 2 men included.

5 Included in agriculture  
6 Degrees to 5 men included.

7 Degrees to 23 men included.  
8 Degrees to 7 men included.



Table 8.—DEGREES, Part II—Baccalaureate and advanced degrees conferred, year ended June 30, 1928

Land-grant college located in—	Engineering (men)										Law		Medicine				Dentistry		Pharmacy		Miscellaneous		Total degrees												
	First degrees					Advanced	Masters	Miscellaneous	Mining	Mechanical	Electrical	Civil	Chemical	Agricultural	Architectural	Agricultural	Chemical	Civil	Electrical	Mechanical	Mining	Miscellaneous	Men	Women	Men	Women	Men	Women	Masters	Doctors	Advanced engineering	Honorary			
	Agricultural	Architectural	Chemical	Civil	Electrical																												Mechanical	Mining	Miscellaneous
1	26	29	30	31	32	33	34	35	37	39	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53										
Alabama.....																																			
Alaska.....	3	9	23	63	20				2																										
Arizona.....																																			
Arkansas.....	2	2	8	4	2				1																										
California.....																																			
Colorado.....																																			
Connecticut.....																																			
Delaware.....	4	2	10	12	3																														
Florida.....	2	10	8	9	2																														
Georgia.....	3	3	2	2																															
Hawaii.....																																			
Idaho.....																																			
Illinois.....	27	14	19	82	44	91	8	33	21	45	21	75	3	41	3	97	2	2	65																
Indiana.....																																			
Iowa.....	6	13	20	27	50	23	1	23	20	9																									
Kansas.....	6	3	7	18	44	16																													
Kentucky.....																																			
Louisiana.....																																			
Maine.....																																			
Maryland.....																																			
Massachusetts.....																																			
Amherst.....	16	40	60	110	74	9	118	185	19																										
Cambridge.....																																			
Michigan.....																																			
Minnesota.....																																			
Mississippi.....	22	43	69	34	8	14	33	33	1																										

Missouri.....	2	12	30	28	9	23	6	5	10	29	1	18	1					460	324	184	2	10	5
Montana.....		49	7	20	14		1	1	2	29		1	1					91	31	3		2	
Nebraska.....	2	6	25	30	18		1	1	5	52	0	59	4	20	1	32	1	525	461	113	5	5	4
Nevada.....		7	7	19	5	6	9	2	2									88	52	9		2	4
New Hampshire.....		47		21	9													152	92	16			
New Jersey.....			8	7	6		3		3									161	166	12	9	3	8
New Mexico.....			1	5	2													23	7				
New York.....			80	50	79		2	2	3	37	1	54	10					966	329	185	95		
North Carolina.....		7	8	24	12	13	13	3										177	1	25	2		
North Dakota.....		16	8	3	3	12		1										85	45	9			
Ohio.....	3	7	37	60	30	5	41			81	7	75	3	46	0	15	28	927	552	255	44		
Oklahoma.....	2	11	4	13	5	6	7		1									202	130	21		1	
Oregon.....		15	19	51	17	8	7											315	189	17			
Pennsylvania.....		15	33	72	35	8	49		10									591	130	35	4	10	3
Porto Rico.....			18							0	1	9	3					62	45				
Rhode Island.....		4	9	14	1													60	18				
South Carolina.....			31	37	18		10											209					2
South Dakota.....			10	16	2													92	42	3			2
Tennessee.....			10	12	7			2		6	2	61	2	14	0	9	0	210	151	21			
Texas.....	6	11	28	49	32		6	6	1	0	0							297		25			1
Utah.....	4		3	16	7			1										114	49	12			
Vermont.....			9	16	9							26	3					134	89	8			
Virginia.....	2	11	29	52	17	5			7									177		3			7
Washington.....		2	9	29	16	4	14	4										262	175	39			
West Virginia.....		4	18	19	4	7		3	1	35	0	44	0					247	137	41			1
Wisconsin.....		19	30	65	31	4	4		5	67	0	25	0					701	661	344	92		5
Wyoming.....			2		2	3		1		2	1							49	45	18			
Total.....	33	137	309	991	893	143	360	391	159	653	20	915	63	338	6	420	65	14,986	8,106	42,829	7,522	159	58
Per cent.....	.2	.6	1.3	4.3	3.9	.6	1.6	1.6	1.5	2.9	4.2	4.2	1.5	1.5	2.1	2.1	3.1	100.0					

† Included in column 33.  
 ‡ Includes degrees to 5 women.  
 § Includes 3 master's degrees in medicine not before listed, and 5 master's degrees in library science not before listed.  
 ¶ Includes 35 Ph. D. degrees in medicine not before listed, and 46 Ph. D. degrees in law not before listed.  
 \* Includes degree to 1 woman.

LAND-GRANT COLLEGES AND UNIVERSITIES

Table 9.—FEDERAL LAND-GRANT FUNDS—Income and disbursements from the 1862 land-grant fund, and income from other Federal land grants, year ended June 30, 1928

Land-grant colleges located in—	Land-grant fund of 1862 for the year ended June 30, 1928										
	Receipts				Disbursements			Balance remaining unexpended July 1, 1928	Income from other Federal land-grant funds		
	2	3	4	5	6	7	8			9	10
Alabama	0	\$20,280.00	0	0	\$20,280.00	\$20,280.00	0	\$20,280.00	0	0	0
Alaska	0	125.18	\$0,473.56	0	6,578.74	6,578.74	0	6,578.74	0	\$48,320.98	
Arizona	0	6,633.34	0	0	6,633.34	6,633.34	0	6,633.34	0	0	
Arkansas	0	43,825.10	0	\$277.40	43,825.10	43,825.10	0	43,825.10	0	\$1,862.02	
California											
Colorado	\$4,312.80	27,133.50	4,834.58	0	30,280.88	28,404.86	0	28,404.86	\$1,876.02	0	
Connecticut	0	7,589.84	0	0	7,589.84	7,589.84	0	7,589.84	0	0	
Delaware	0	4,980.00	0	0	4,980.00	4,980.00	0	4,980.00	0	0	
Florida	1,420.00	8,110.00	0	0	9,530.00	9,530.00	0	9,530.00	0	3,246.54	
Georgia	0	16,954.14	0	0	16,954.14	15,000.00	\$1,954.14	16,954.14	0	0	
Hawaii											
Idaho	11,377.56	36,939.00	0	0	48,316.56	4,443.11	17,551.88	21,084.99	26,321.57	76,805.35	
Illinois	0	32,450.66	0	0	32,450.66	32,450.66	0	32,450.66	0	0	
Indiana	0	17,000.00	0	0	17,000.00	15,075.09	1,924.91	17,000.00	0	0	
Iowa	0	31,152.41	0	0	31,152.41	31,152.41	0	31,152.41	0	0	
Kansas	4,162.27	28,846.47	675.00	0	33,673.74	470.00	25,091.66	25,561.66	8,112.08	0	
Kentucky	0	8,644.50	0	0	8,644.50	8,644.50	0	8,644.50	0	0	
Louisiana	0	9,115.69	0	0	9,115.69	9,115.69	0	9,115.69	0	0	
Maine	0	5,915.00	0	0	5,915.00	5,915.00	0	5,915.00	0	0	
Maryland	0	6,831.93	0	0	6,831.93	0	6,831.93	6,831.93	0	0	
Massachusetts											
Amherst	0	7,300.00	0	0	7,300.00	7,300.00	0	7,300.00	0	0	
Cambridge	0	3,650.00	0	0	3,650.00	2,100.00	1,550.00	3,650.00	0	0	
Michigan	0	54,353.32	0	0	54,353.32	54,353.32	0	54,353.32	0	0	
Minnesota	0	138,104.88	0	4,169.07	142,273.95	142,513.95	0	142,513.95	0	0	
Mississippi	0	5,914.50	0	0	5,914.50	5,914.50	0	5,914.50	0	8,476.86	

Missouri.....	0	21,777.65	142.00	691.87	22,611.53	5,672.87	22,611.53	0	7,320.00
Montana.....	4,313.58	22,966.65	7,251.90	4,071.45	38,827.58	37,026.07	37,026.07	1,731.51	7,498.00
Nebraska.....	76,891.44	37,549.29	0	0	114,540.64	9,187.47	9,187.47	105,353.17	18,924.61
Nevada.....	3,106.90	5,535.83	0	366.48	9,009.21	8,708.30	8,708.30	0	2,103.02
New Hampshire.....	0	4,840.00	0	0	4,800.00	4,800.00	4,800.00	0	0
New Jersey.....	0	5,800.00	0	0	5,800.00	176.00	5,800.00	0	0
New Mexico.....	2,863.12	6,275.99	19,179.62	0	29,298.73	26,228.16	26,228.16	2,060.57	0
New York.....	0	34,428.80	0	0	34,428.80	0	34,428.80	0	0
North Carolina.....	0	7,500.00	0	0	7,500.00	0	7,500.00	0	0
North Dakota.....	0	52,325.06	11,278.00	11,889.55	75,492.61	16,261.54	75,073.72	418.89	0
Ohio.....	13,115.55	31,470.00	0	0	44,585.55	13,554.84	13,554.84	31,011.31	13,571.80
Oklahoma.....	3,272.92	10,991.44	0	0	14,264.36	0	14,100.00	164.36	93,174.93
Oregon.....	0	25,000.00	0	0	25,000.00	0	25,000.00	0	0
Pennsylvania.....	0	0	0	0	0	0	0	0	0
Porto Rico <sup>1</sup> .....	0	0	0	0	0	0	0	0	0
Rhode Island.....	0	2,500.00	0	0	2,500.00	0	2,500.00	0	0
South Carolina.....	0	5,754.00	0	0	5,754.00	0	5,754.00	0	0
South Dakota.....	0	18,800.89	20,625.41	7,060.78	46,517.08	46,517.08	46,517.08	0	15,505.69
Tennessee.....	0	20,000.00	0	0	20,000.00	5,125.00	20,000.00	0	0
Texas.....	5,801.67	10,450.00	0	0	16,341.67	8,819.50	8,819.50	7,522.17	0
Utah.....	0	12,766.73	2,967.73	1,485.17	17,219.63	0	17,219.63	0	0
Vermont.....	0	8,130.00	0	0	8,130.00	0	8,130.00	0	0
Virginia.....	0	20,658.72	0	0	20,658.72	0	20,658.72	0	0
Washington.....	15,537.96	49,926.79	0	0	65,464.75	56,390.92	56,390.92	9,073.83	74,116.31
West Virginia.....	1,982.44	5,033.83	0	0	7,016.27	4,975.12	4,975.12	2,041.15	0
Wisconsin.....	0	12,027.17	0	0	12,027.17	0	12,027.17	0	9,570.98
Wyoming.....	0	8,270.98	7,928.60	2,235.44	18,435.02	0	18,435.02	0	66,262.69
Total.....	148,278.21	956,616.40	81,266.40	32,517.21	1,218,678.22	137,570.84	1,022,690.68	195,987.54	454,099.78

<sup>1</sup> Does not participate in land-grant fund of 1862.

LAND-GRANT COLLEGES AND UNIVERSITIES

Table 10.—MORRILL-NELSON FUNDS—Receipts and disbursements of funds received under acts of Congress approved August 30, 1890, and March 4, 1907, year ended June 30, 1928

Land-grant college located in—	Receipts, 1927-28				Disbursements for instruction and facilities for instruction in—								Balance on hand July 1, 1928
	Balance on hand July 1, 1927	Interest	Appropriation, year ended June 30, 1928	Total	Agriculture	Engineering and mechanic arts	English language	Mathematical science	Natural and physical sciences	Economic science	Teacher preparation in agriculture and mechanic arts	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Alabama.....	0	0	\$31,140.00	\$31,140.00	\$4,000.00	\$9,000.00	\$2,345.00	\$3,000.00	\$12,795.00	0	0	\$31,140.00	0
Alaska.....	0	0	50,000.00	50,000.00	286.08	12,678.46	1,260.27	3,175.62	20,909.65	\$11,688.92	0	50,000.00	0
Arizona.....	0	0	50,000.00	50,000.00	9,100.00	5,900.00	14,600.00	4,400.00	13,100.00	3,000.00	0	50,000.00	0
Arkansas.....	0	0	36,363.64	36,363.64	4,345.15	11,379.59	5,269.50	3,486.66	7,859.74	4,023.00	0	36,363.64	0
California.....	0	0	50,000.00	50,000.00	10,500.18	12,499.92	0	0	24,999.98	1,999.92	0	50,000.00	0
Colorado.....	0	0	50,000.00	50,000.00	10,874.90	12,349.91	5,525.00	4,174.95	12,605.24	4,470.00	0	50,000.00	0
Connecticut.....	0	0	50,000.00	50,000.00	28,497.04	0	0	0	19,558.00	1,944.96	0	50,000.00	0
Delaware.....	0	0	40,000.00	40,000.00	3,016.62	17,641.68	996.66	3,095.80	15,279.24	0	0	40,000.00	0
Florida.....	0	0	25,000.00	25,000.00	9,244.39	5,211.00	1,711.29	1,500.00	7,333.32	0	0	25,000.00	0
Georgia.....	0	0	33,333.34	33,333.34	1,800.00	5,700.29	2,000.00	2,000.00	12,233.05	1,000.00	\$8,600.00	33,333.34	0
Hawaii.....	\$222.93	\$653.46	50,000.00	50,876.39	8,950.00	7,100.00	4,300.00	4,800.00	18,625.00	6,800.00	0	50,575.00	\$301.39
Idaho.....	0	0	50,000.00	50,000.00	11,455.00	7,585.00	6,840.00	3,960.00	13,540.00	6,570.00	0	50,000.00	0
Illinois.....	0	0	50,000.00	50,000.00	19,637.67	14,354.94	5,137.47	3,465.00	3,184.95	4,219.97	0	50,000.00	0
Indiana.....	0	0	50,000.00	50,000.00	6,505.00	21,730.00	5,360.00	5,345.00	11,040.00	0	0	50,000.00	0
Iowa.....	0	0	50,000.00	50,000.00	12,600.00	11,700.00	3,500.00	3,000.00	14,200.00	2,500.00	2,500.00	50,000.00	0
Kansas.....	0	0	50,000.00	50,000.00	0	18,441.67	9,011.11	7,922.22	14,625.00	0	0	50,000.00	0
Kentucky.....	0	0	42,750.00	42,750.00	5,650.10	12,450.06	4,560.00	5,149.84	14,140.00	0	0	42,750.00	0
Louisiana.....	0	653.48	29,829.50	30,482.98	0	4,300.00	8,600.00	8,553.36	9,029.62	0	0	30,482.98	0
Maine.....	0	0	50,000.00	50,000.00	13,100.00	14,054.00	3,600.00	3,500.00	12,000.00	3,750.00	0	50,000.00	0
Maryland.....	0	0	40,000.00	40,000.00	13,060.09	7,000.00	4,300.00	4,124.94	10,164.97	1,350.00	0	40,000.00	0
Massachusetts.....	0	0	33,333.33	33,333.33	12,933.33	1,800.00	1,800.00	1,800.00	15,000.00	0	0	33,333.33	0
Amherst.....	0	0	16,666.67	16,666.67	0	10,400.00	4,000.00	1,200.00	1,065.79	0	0	16,666.67	0
Cambridge.....	0	0	50,000.00	50,000.00	11,089.92	16,980.00	6,720.00	3,353.00	7,699.92	4,180.16	0	50,000.00	0
Michigan.....	0	0	50,000.00	50,000.00	22,800.00	9,500.00	5,400.00	2,500.00	9,800.00	0	0	50,000.00	0
Minnesota.....	0	0	21,915.00	21,915.00	5,750.00	3,750.00	1,800.00	3,265.02	7,349.98	0	0	21,915.00	0
Mississippi.....	0	0	0	0	0	0	0	0	0	0	0	0	0

LAND-GRANT COLLEGES AND UNIVERSITIES

Missouri.....	0	0	0	1,833.32	1,899.98	21,275.16	0	0	46,875.00	0	0	0
Montana.....	0	0	0	8,266.44	3,900.00	13,425.40	0	0	50,000.00	0	0	0
Nebraska.....	0	0	0	0	0	6,883.32	0	0	50,000.00	0	0	0
Nevada.....	0	0	0	6,845.83	4,875.00	14,341.67	0	0	50,000.00	0	0	0
New Hampshire.....	0	0	0	0	6,000.00	16,066.54	0	0	50,000.00	0	0	0
New Jersey.....	0	0	0	0	9,256.15	23,989.47	0	0	50,000.00	0	0	0
New Mexico.....	0	0	0	5,544.65	5,349.89	9,589.36	0	0	50,000.00	0	0	0
New York.....	0	0	0	1,000.00	1,000.00	20,277.77	0	1,000.00	50,000.00	0	0	0
North Carolina.....	0	0	0	0	0	0	0	0	33,500.00	0	0	0
North Dakota.....	0	0	0	3,944.38	3,046.64	13,322.56	0	0	50,000.00	0	0	0
Ohio.....	0	0	0	0	0	19,912.00	0	0	50,000.00	0	0	0
Oklahoma.....	0	0	0	4,200.00	2,800.00	8,821.65	0	0	45,000.00	0	0	0
Oregon.....	0	0	0	2,700.00	4,776.66	13,551.66	0	0	50,000.00	0	0	0
Pennsylvania.....	0	0	0	12,000.00	0	14,850.00	0	0	50,000.00	0	0	0
Porto Rico.....	1,483.03	383.69	0	4,355.57	5,492.61	13,089.39	0	0	51,585.49	0	0	281.23
Rhode Island.....	0	0	0	6,975.02	3,133.32	16,825.73	0	0	50,000.00	0	0	0
South Carolina.....	0	0	0	3,099.95	2,687.49	5,419.70	0	0	25,000.00	0	0	0
South Dakota.....	0	0	0	8,000.00	7,000.00	11,100.00	0	0	50,000.00	0	0	0
Tennessee.....	0	0	0	0	0	12,300.00	0	0	38,000.00	0	0	0
Texas.....	0	578.21	0	1,820.00	3,462.50	8,836.79	0	0	38,078.21	0	0	0
Utah.....	0	0	0	14,400.00	5,500.00	14,637.50	0	7,945.87	50,000.00	0	0	0
Vermont.....	0	0	0	0	0	10,900.00	0	0	50,000.00	0	0	0
Virginia.....	0	0	0	2,000.00	3,700.00	10,800.00	0	0	33,333.34	0	0	0
Washington.....	0	0	0	8,120.96	3,762.44	16,718.11	0	0	50,000.00	0	0	0
West Virginia.....	0	0	0	0	0	0	0	0	40,000.00	0	0	0
Wisconsin.....	0	0	0	0	2,500.00	5,000.00	0	0	50,000.00	0	0	0
Wyoming.....	0	0	0	19,110.00	11,480.00	17,340.00	0	0	50,000.00	0	0	0
Total.....	1,706.08	2,238.84	2,299,539.82	222,631.13	178,602.38	647,803.23	134,371.68	20,045.87	2,302,932.12	582.09	100	0
Per cent.....				9.7	7.8	28.1	5.8	.9				

Table 11.—PROPERTY—Year ended June 30, 1928

Land-grant college located in—	Acres of land		Number of bound volumes in libraries	Value of property													Total
	Campus and farms	Under cultivation		Value of library books	Apparatus, machinery, furniture	Livestock	Campus and grounds	Buildings, not including dormitories	Dormitories	Endowment from Federal grants <sup>1</sup>	Other endowments	Miscellaneous property	Basis of inventory				
													2	3	4	5	
Alabama.....	4,046	630	50,000	\$60,000	\$401,785	\$15,000	\$154,000	\$1,105,500	\$160,000	\$253,500	0	0	0	Appraisal	\$2,169,785		
Alaska.....	1,800	13	8,056	17,277	117,022	0	448,300	1,396,810	60,000	50,000	0	0	Cost	3,684,335			
Arizona.....	710	410	73,000	146,000	539,592	18,682	448,300	1,396,810	463,335	649,921	\$22,216	0	Both	2,352,668			
Arkansas.....	1,185	850	82,000	200,000	475,000	30,000	140,000	1,250,000	132,698	0	0	0	Cost	46,305,045			
California.....	6,098	1,059	1,030,145	1,890,931	3,878,570	73,029	7,717,222	16,000,272	104,272	830,125	12,444,188	\$3,360,436	do	3,844,383			
Colorado.....	4,193	1,285	57,626	135,758	500,000	30,947	161,473	2,553,000	0	401,893	0	0	Appraisal	3,119,088			
Connecticut.....	1,769	500	21,000	35,000	436,467	69,142	109,695	1,423,387	690,500	135,000	0	0	do	3,213,469			
Delaware.....	291	190	38,000	455,967	1,121,088	15,332	270,675	1,121,088	636,741	83,000	450,666	0	Cost	5,273,721			
Florida.....	1,273	300	58,000	135,000	2,049,000	24,620	600,000	1,526,230	296,825	285,046	40,000	0	Appraisal	2,141,432			
Georgia.....	967	333	63,500	98,500	218,147	21,610	623,000	1,582,973	325,000	242,202	20,000	0	do	2,681,676			
Hawaii.....	199	81	44,054	149,810	203,577	15,225	1,641,216	566,501	43,315	0	6,296	55,736	do	4,055,900			
Idaho.....	590	540	90,500	119,500	430,000	60,000	130,000	800,000	500,000	2,016,400	0	0	do	23,335,870			
Illinois.....	2,298	1,925	762,187	1,618,440	3,437,678	97,174	1,564,568	14,207,070	498,607	649,013	460,307	0	Cost	6,399,024			
Indiana.....	4,536	2,300	100,103	124,139	1,409,828	90,243	491,842	3,388,575	202,150	340,000	11,733	0	Appraisal	10,571,442			
Iowa.....	1,994	1,000	157,070	477,741	2,266,457	98,926	694,718	3,198,126	813,261	592,463	102,579	327,171	Both	5,678,837			
Kansas.....	12,923	3,702	90,000	289,420	1,036,902	96,742	679,357	2,701,135	175,000	505,508	0	0	do	6,737,627			
Kentucky.....	544	455	83,360	144,501	504,557	48,487	477,605	1,498,575	414,074	144,078	40,000	0	Appraisal	2,454,561			
Louisiana.....	4,409	2,000	64,042	110,782	603,632	50,000	600,000	4,580,000	475,000	318,213	0	0	do	4,012,401			
Maine.....	500	150	76,360	102,713	386,169	12,425	40,983	881,929	163,487	118,300	748,523	0	Cost	2,958,200			
Maryland.....	422	200	52,473	149,510	549,158	15,929	298,900	1,798,750	425,500	117,463	0	0	Both	43,644,373			
Massachusetts:																	
Amherst.....	1,587	436	79,800	155,369	700,016	60,676	139,363	1,388,796	192,383	146,000	94,667	80,930	Cost	2,958,200			
Cambridge.....	90	0	242,000	300,000	2,200,000	0	3,200,000	7,343,000	710,000	73,000	20,818,373	0	do	43,644,373			
Michigan.....	1,646	1,400	58,452	148,540	1,310,130	108,458	174,222	4,023,200	161,000	1,033,898	0	0	do	6,979,468			
Minnesota.....	6,200	5,046	525,000	1,708,305	3,020,833	113,037	6,619,016	14,188,196	970,490	3,914,887	3,739,692	1,590,838	do	35,845,204			
Mississippi.....	3,878	1,483	49,719	89,084	831,627	42,838	277,395	1,330,470	321,135	239,788	0	0	Appraisal	3,135,317			
Missouri.....	974	700	339,312	940,197	1,745,008	62,942	897,443	4,995,647	34,000	589,321	1,323,480	225,000	Both	10,813,038			
Montana.....	967	760	34,180	88,950	278,062	20,382	205,305	1,475,000	65,000	780,417	5,000	0	Appraisal	2,918,146			
Nebraska.....	5,245	1,504	251,788	503,597	1,571,365	153,504	2,606,246	5,011,415	123,325	950,841	155,300	330,885	do	11,301,298			
Nevada.....	338	293	48,934	74,961	213,501	35,805	139,800	1,213,399	172,516	180,396	155,300	0	Cost	2,215,569			
New Hampshire.....	835	150	63,000	60,000	340,000	25,000	81,000	966,000	785,000	80,000	0	250,000	Appraisal	3,547,000			

New Jersey.....	1,007	172,096	773,258	1,957,397	50,000	1,887,397	4,040,031	1,211,962	116,000	3,532,176	0	Both	12,509,150
New Mexico.....	272	25,000	62,060	190,960	55,000	30,000	370,000	50,000	122,302	0	7,500	Appraisal	876,702
New York.....	1,972	790,700	1,179,631	2,810,433	40,260	690,355	9,975,671	1,221,283	688,575	19,320,552	0	Cost	35,827,294
North Carolina.....	490	126,256	63,831	496,814	26,414	169,867	2,312,118	1,053,962	125,000	0	100,000	Both	4,254,086
North Dakota.....	1,743	44,058	88,116	816,417	33,130	143,710	1,364,797	246,646	1,561,081	0	0	Appraisal	4,254,236
Ohio.....	1,118	316,447	790,905	2,452,824	45,035	3,425,632	8,908,399	294,102	759,461	379,129	0	Cost	17,039,487
Oklahoma.....	1,000	47,000	123,008	640,384	144,890	132,712	1,635,269	287,000	0	0	0	do	3,073,365
Oregon.....	4,518	77,653	223,008	1,037,823	94,321	746,266	3,245,497	711,851	203,573	0	209,346	Appraisal	6,498,697
Pennsylvania.....	1,312	108,539	621,553	2,719,729	65,055	186,187	4,910,000	1,059,000	517,000	223,540	0	do	10,000,923
Porto Rico.....	425	19,471	37,515	180,337	2,575	78,702	497,497	67,630	0	0	105,379	Cost	1,193,255
Rhode Island.....	170	20,000	70,000	290,000	12,000	18,000	550,000	150,000	50,000	0	0	do	1,050,000
South Carolina.....	3,324	24,198	57,252	358,827	46,954	362,326	1,065,928	281,000	95,000	58,540	0	Appraisal	2,329,840
South Dakota.....	807	38,056	79,276	504,075	23,440	95,680	959,722	231,000	747,198	0	0	Both	2,657,391
Tennessee.....	1,900	96,173	220,276	809,691	45,325	2,037,730	3,133,754	294,816	400,000	43,260	142,525	Appraisal	7,130,348
Texas.....	14,295	89,445	139,677	1,216,894	161,870	508,104	3,357,811	864,511	209,000	0	340,670	Cost	6,798,537
Utah.....	215	49,379	78,196	210,613	34,546	64,500	1,221,700	0	298,439	0	0	do	1,913,324
Vermont.....	480	123,598	218,000	716,000	13,000	100,000	1,617,000	353,000	135,000	1,901,000	0	At appraisal	4,449,666
Virginia.....	980	40,000	74,000	682,200	53,000	252,700	1,847,000	528,400	344,312	0	245,480	do	4,027,992
Washington.....	1,040	145,000	157,165	475,316	58,632	262,939	1,965,734	215,983	2,490,778	0	254,258	Cost	6,040,728
West Virginia.....	1,803	92,151	180,491	742,165	53,132	1,633,436	4,052,416	290,000	115,000	374,945	0	Appraisal	7,191,678
Wisconsin.....	1,824	377,500	1,011,841	3,629,315	97,863	1,718,876	9,898,130	509,000	536,622	0	0	Both	17,827,512
Wyoming.....	1,207	69,000	180,000	347,000	25,000	366,100	1,535,000	335,000	2,123,621	0	18,000	Appraisal	4,926,721
Total.....	197,999	45,944	7,476,221	16,450,989	51,807,791	2,000,087	173,144,579	30,285,068	27,709,158	76,299,558	10,530,132		427,005,395
Per cent.....					0.6	10.8	40.5	4.8	6.5	17.9	2.5		100.0

1 Not including value of unsold land.

2 Figures for 1927.

3 Owns in addition 620 acres for eastern Oregon experiment station, an 1,142 acres of timber and logged-off land.



LAND-GRANT COLLEGES AND UNIVERSITIES

Table 12.—SALARIES—Year ended June 30, 1928

Land-grant college located in—	President		Deans				Professors				Associate professors				Assistant professors			
	Cash	Perqui- sites	Num- ber	Maxi- mum	Medi- an	Mini- mum	Num- ber	Maxi- mum	Medi- an	Mini- mum	Num- ber	Maxi- mum	Medi- an	Mini- mum	Num- ber	Maxi- mum	Medi- an	Mini- mum
Alabama.....	10,000	800	2	5,750	5,750	5,750	29	4,300	3,600	3,300	10	3,300	3,000	2,700	31	2,700	2,250	2,000
Alaska.....	6,000	400					8	3,750	3,500	3,500	2	3,500	3,500	3,500				
Arizona.....	10,500	3,600	5	5,500	4,300	3,100	47	6,500	4,100	3,000	24	4,143	3,200	2,200	42	3,716	2,800	2,000
Arkansas.....	10,000	0	6	6,250	4,750	4,500	38	4,250	3,675	3,200	19	3,500	3,100	2,750	19	3,000	2,500	2,250
California.....	15,000	1,600	26	4,000	1,000	4,500	167	9,000	5,000	4,000	139	5,200	3,600	3,300	179	5,200	3,000	2,600
Colorado.....	8,500	800	2	5,000	5,000	5,000	22	4,100	3,600	3,100	31	3,033	2,750	2,400	34	2,400	2,150	1,900
Connecticut.....	7,500	1,000	2	5,250	5,250	5,250	16	4,500	4,000	3,000	7	4,100	3,750	3,000	9	3,600	3,000	2,700
Delaware.....	7,000	1,500	2	4,400	4,400	4,400	19	3,500	3,200	3,200	10	2,800	2,700	2,600	12	2,400	2,300	2,200
Florida.....	7,500	0	3	7,500	5,000	5,000	44	4,500	4,000	3,500	26	3,400	3,000	2,900	24	2,800	2,600	2,300
Georgia.....	9,000		13				22	4,400	3,900	3,400	24	3,000	2,850	2,700	13	2,400	2,200	2,000
Hawaii.....	10,000	0	1	8,000			23	4,800	4,800	2,700					10	3,600	2,700	2,700
Idaho.....	10,000	720					34	4,500	3,300	2,500					41	3,200	2,400	2,000
Illinois.....	15,000	2,500	4	8,500	8,500	8,500	123	7,500	5,250	4,000	60	6,000	4,000	2,900	114	4,000	3,200	2,500
Indiana.....	12,000		6	8,000	8,000	5,000	63	6,000	4,000	3,200	43	4,000	3,100	2,700	69	3,800	2,700	2,200
Iowa.....	15,000	2,000	7	7,250	6,000	4,000	77	7,500	4,500	2,500	85	5,500	3,200	2,300	68	4,500	2,700	2,000
Kansas.....	10,000	1,000	7	5,600	5,100	3,500	84	5,000	3,900	2,600	56	3,800	2,800	2,100	81	3,400	2,100	1,800
Kentucky.....	12,000	1,000	6	7,000	6,000	5,300	75	5,000	3,600	2,800	20	4,000	3,000	2,700	42	3,300	2,600	2,000
Louisiana.....	10,000	1,000	9	4,800	4,800	2,500	47	7,000	3,600	2,700	25	3,900	3,300	2,250	34	3,420	2,900	1,800
Maine.....	8,000	600	2	4,800	4,800	4,800	32	3,750	3,300	3,000	15	3,500	3,000	2,500	25	2,700	2,300	2,000
Maryland.....	15,000	0	14	7,500	5,500	3,300	67	7,300	3,600	2,500	25	4,000	3,150	2,440	48	4,000	2,500	1,500
Massachusetts:																		
Amherst.....	7,500	1,500	5	5,500	5,000	4,000	21	4,500	3,720	2,620	11	3,900	3,300	3,000	25	2,940	2,700	2,160
Michigan.....	10,000	500	8	6,000	6,000	6,000	33	3,000	4,250	4,250	55	4,250	3,725	3,200	46	3,200	2,800	2,400
Minnesota.....	18,000	5,000	13	9,000	7,000	5,000	171	7,500	4,750	3,250	79	5,300	3,750	3,000	177	4,500	2,750	2,000
Mississippi.....	4,800	600	6	4,700	4,050	3,800	28	3,800		3,450	28	2,940		2,150	18	1,950		1,950
Missouri.....	12,500	2,500	12	9,100	6,000	4,500	82	6,000	4,500	3,000	43	4,500	3,600	3,000	88	3,700	2,500	2,000
Montana.....	6,500		4	5,000	5,000	3,600	22	4,900	3,450	2,700	9	3,000	2,850	2,600	23	3,150	2,650	2,200
Nebraska.....	12,000		12	6,500	5,200	3,600	87	5,000	4,001	2,700	42	3,000	2,500	2,300	48	4,500	2,627	1,400
Nevada.....	12,000		5	6,000	4,800	4,200	21	4,500	3,600	3,000	11	3,300	2,700	2,400	9	2,800	2,400	2,000
New Hampshire.....	9,000	1,100	5	4,700	4,200	3,000	23	4,000	3,700	3,100	6	3,400	3,200	2,900	36	3,100	2,800	2,000

New Jersey	15,000	8	11,000	6,500	5,500	37	6,000	4,000	3,600	13	5,000	3,500	3,100	41	3,200	2,800	2,400
New Mexico	8,000	2	4,000	6,500	3,900	15	2,700	2,700	2,160	3	3,100	3,500	2,460	12	2,600	2,400	1,900
New York	20,000	13	12,000	7,000	6,000	255	4,500	4,500	3,900	42	3,600	3,500	2,800	175	3,000	3,000	2,500
North Carolina	10,000	12	6,000	5,500	3,000	42	4,500	4,000	3,000	30	3,600	2,700	2,400	30	3,000	2,900	2,400
North Dakota	7,500	2	4,000		3,600	25	4,200	3,200	2,500	13	3,200	2,700	2,400	17	3,200	2,500	2,200
Ohio	10,000	12	7,000	6,500	6,000	199	7,500	5,250	3,000	5	5,000	4,500	4,000	112	6,500	4,000	2,00
Oklahoma	10,000	6	5,100	4,800	4,300	44	4,500	3,700	2,500	34	3,400	3,000	2,400	65	3,000	2,500	2,00
Oregon	12,000	12	5,000	4,700	4,400	59	4,500	3,550	3,000	27	3,600	3,050	2,500	49	3,200	2,500	2,00
Pennsylvania	15,000	6	10,000	7,000	6,500	85	5,000	3,900	2,500	60	3,700	2,900	2,300	86	3,900	2,600	2,000
Porto Rico	7,500	1	6,900	6,900	6,900	15	4,500	3,000	2,250	5	3,540	3,100	3,100	22	3,600	2,650	2,200
Rhode Island	6,000	4	4,000	3,825	3,600	13	3,800	3,492	2,500	18	2,5	2,400	2,000	7	2,800	2,571	1,800
South Carolina	9,000	7	4,750		3,500	29	4,000	3,000	2,700	7	3,40	3,000	2,200	10	2,400	2,000	1,800
South Dakota	7,500	2	5,000	3,800	3,600	37	4,000	3,600	3,400	1	3,240	3,000	2,800	29	2,700	2,500	2,300
Tennessee	12,000	7	5,000	4,500	3,900	32	4,500	4,000	3,400	4	3,240	3,000	2,800	29	2,700	2,500	2,300
Texas	10,000	10	7,000	6,000	5,500	60	4,000	3,300	2,650	1	3,000	2,650	2,400	27	2,600	2,250	2,000
Utah	6,500	7	4,400	4,100	3,000	23	4,100	3,300	3,000	17	3,100	2,900	2,200	17	2,800	2,400	2,000
Vermont	10,000	5	5,000	5,300	5,000	36	4,300	3,800	3,600	8	3,300	3,000	2,800	42	2,600	2,500	2,400
Virginia	7,500	2	3,100		4,200	31	4,200	4,200	3,000	13	3,600	3,300	2,500	24	2,800	2,200	2,000
Washington	12,000	11	5,500	5,000	3,900	12	4,500	3,700	3,000	13	3,600	3,200	2,500	37	3,450	2,750	2,000
West Virginia	9,000	7	6,500	5,000	3,600	73	4,500	3,600	3,600	26	3,500	2,700	2,700	43	2,700	2,400	2,000
Wisconsin	20,400	4	8,500	5,750	4,000	158	10,000	5,150	3,500	90	6,000	3,750	2,000	152	5,600	3,000	1,800
Wyoming	12,500	5	5,254	5,000	3,840	26	4,284	3,660	3,240	9	3,380	3,000	2,616	22	3,400	2,400	2,244
Total	537,700	333	5,500	5,000	4,200	2,825	4,500	3,700	3,000	1,349	3,600	3,100	2,600	2,413	3,200	2,580	2,000
Typical (median)	10,000	6	5,500	5,000	4,200	35	4,500	3,700	3,000	20	3,600	3,100	2,600	34	3,200	2,580	2,000

1 House for president in addition to salary, estimated at \$1,500.

1 Contingent fund of \$9,000 in addition.  
\* \$10,000 as president, and \$5,000 as head of State board of agriculture.

LAND-GRANT COLLEGES AND UNIVERSITIES

Table 13.—RECEIPTS, Part I—For instruction, administration, and permanent improvements, and permanent improvements, year ended June 30, 1928

Land-grant college located in—	Federal funds			State funds from—				Private gifts for—					Institutional funds from—					From other sources	Total	
	Land-grant and Morrill-Nelson funds	Smith-Hughes endowment funds	State endowment	Mill-tax levy and appropriations for—		Perma-nent im-provements and en-dowment		Interest on college endow-ment	Tuition and other fees less refunds	Board and lodging	Depart-mental earnings	Veterans' Bureau for rehabili-tation of soldiers	10	11	12	13	14			15
				Current expenses	Perma-nent im-provements	Current ex-penses	Perma-nent im-provements and en-dowment													
Alabama.....	\$51,420	\$7,321	\$7,321	\$343,924	\$6,051			\$126,879	\$31,649	\$17,577				\$171,427				\$763,569		
Alaska.....	50,000			54,300				967	3,721					1,925				146,913		
Arizona.....	103,097			1,674,433		\$334		96,118	105,965	8,816	\$66			112,328				1,110,187		
Arkansas.....	42,997	3,911	(7)	392,250	380			76,367	6,151					8,002				737,658		
California.....	98,387	13,474	63,971	5,155,369	111,761	1,636,895	\$433,368	1,280,627	34,369	227,943	(7)			792,967				11,645,576		
Colorado.....	75,540	7,691	7,691	327,985		130,365		43,046	119,042	73,760	235			63,270				729,033		
Connecticut.....	57,689	5,522	5,522	237,500		229,324	2,514	91,615	111,495	218,291				28,932				1,055,851		
Delaware.....	44,980	5,350	5,350	167,400	4,000	225,000	20,816	74,403	111,495	321,679				16,557				675,351		
Florida.....	36,357	704,910	6,083	704,910		116,949	2,399	110,131	160,976	73,935				133,786				1,285,340		
Georgia.....	48,287	15,740	13,280	162,869		23,503		64,017	49,384	82,003				23,872				482,938		
Hawaii.....	50,853	2,211		247,225		270,500	117	31,186	24,053	20,200								647,147		
Idaho.....	163,744			710,123				46,787	112,008	78,980				16,674				1,128,316		
Illinois.....	82,451	16,050	18,074	3,077,007		1,322,113		830,748	145,495	321,679	393			72,718				6,561,264		
Indiana.....	91,471	2,263	26,734	1,225,000		162,281		312,027	18,482	264,329				171,467				2,293,307		
Iowa.....	81,153	18,749	18,749	1,681,251		421,500	4,353	387,219	105,621	396,207				50,000				3,164,802		
Kansas.....	79,511	6,350	9,979	989,260		221,000		252,536	88,271	233,103				88,156				1,968,146		
Kentucky.....	51,394	13,601	13,601	941,716		75,000	1,700	149,544	76,754	149,544				18,681				1,342,011		
Louisiana.....	45,039	4,385		649,966		93,750		86,992		55,233				96,928				1,023,646		
Maine.....	53,915	3,233	1,078	430,000		59,318	28,500	189,411	118,337	13,208				6,730				1,028,879		
Maryland.....	46,832	9,824	9,824	425,750		425,750		577,276	156,328	183,265				465,903				1,863,855		
Massachusetts:																				
Amherst.....	40,633	2,225	3,313	683,526		48,317		557,465	149,960	385,334				21,510				1,092,283		
Cambridge.....	20,317							897,262		318,326								4,065,398		
Michigan.....	104,353		26,032	1,541,954	151,110	956,191	1,658,686	281,140	25,358	355,011				2,453				2,595,492		
Minnesota.....	7,192,513	23,314	75,328	3,817,622		296,396	737,444	1,045,349	387,369	303,526				810,376				7,883,492		
Mississippi.....	36,302			256,194				70,724	217,292									7,937,268		

Missouri	89, 024	19, 022	50, 483	4, 124	20, 472	308, 260	10, 780	223, 812	483, 127	2, 413, 293
Montana	91, 812	5, 150	2, 238	5, 000		38, 260	16, 447	32, 639	11, 863	3, 331, 546
Nebraska	106, 174	12, 453				448, 245	181, 718	547, 214	11, 344	3, 477, 091
Nevada	54, 005		660	7, 258	8, 114	43, 542	54, 807	21, 276	34, 913	1, 247, 317
New Hampshire					32, 834	183, 062	193, 642	78, 745	122, 550	
New Jersey	55, 800	8, 029	8, 029	559, 580	181, 924	558, 841	454, 926	30, 157	39, 473	2, 894, 269
New Mexico	56, 276	29, 302			1, 852	7, 576	15, 069	2, 454	2, 454	1, 194, 316
New York	84, 429	24, 378	20, 497	1, 766, 322	1, 055, 551	1, 438, 304	698, 055	562, 570	562, 570	6, 927, 362
North Carolina	41, 000	5, 863			140, 142	140, 142	250, 282	59, 326	104, 271	1, 364, 786
North Dakota	125, 493	10, 276	(1)		1, 130	45, 505	25, 300	4, 922		511, 972
Ohio	95, 022					717, 080	128, 648	242, 878	950, 080	6, 040, 678
Oklahoma	200, 000				20, 945	48, 134	49, 673	134, 703	194, 496	1, 439, 506
Oregon	60, 992	5, 156				268, 046	159, 837	14, 578	14, 578	1, 722, 846
Pennsylvania	76, 020	31, 348	31, 348	323, 857		620, 603	141, 201	498, 306	83, 817	2, 848, 008
Porto Rico	50, 384	4, 066			41, 249	41, 249	15, 927	23, 265		744, 602
Rhode Island	52, 500					13, 274	111, 207	30, 725		366, 591
South Carolina	30, 754					25, 213	218, 457	65, 902		969, 152
South Dakota	112, 023				3, 512	68, 184	18, 340	71, 046		634, 504
Tennessee	58, 000	15, 170	7, 684	5, 620	1, 238	237, 015	101, 118	163, 320	39, 442	1, 043, 607
Texas	47, 950	5, 011	5, 012			85, 401	462, 221	622, 886	363, 625	2, 430, 552
Utah	67, 220	3, 787				56, 888		12, 855	18, 201	396, 644
Vermont	58, 130	5, 363	5, 363	358, 988	29, 708	352, 171	74, 080	37, 574	75, 777	1, 077, 936
Virginia	53, 992	4, 906	4, 906			80, 413	255, 678	411, 179	47, 539	1, 317, 796
Washington	192, 650	3, 760				126, 732	59, 193	50, 549	53, 515	1, 483, 395
West Virginia	45, 034	14, 856	11, 982			253, 405	70, 527	44, 863	82, 016	1, 078, 913
Wisconsin	71, 598					843, 327	516, 023	660, 440	361, 628	6, 525, 695
Wyoming	146, 533				152	58, 080	50, 968	55, 375	30, 457	785, 623
Total	3, 937, 060	345, 950	497, 339	6, 074, 377	4, 254, 587	14, 401, 379	6, 508, 686	7, 453, 173	889	108, 836, 449

1 Includes delinquent taxes, 1921-22, to the amount of \$1,306.  
 2 Included in column 5.  
 3 Included in column 10.  
 4 Includes \$37,641 from rent.  
 5 Funds returned to State; not available for institutional expenses.  
 6 \$15,687 of this returned to State; not available for institutional expenses.  
 7 Includes maturities to be reinvested.  
 8 Balance from previous year \$641,178.

## LAND-GRANT COLLEGES AND UNIVERSITIES

Table 13.—RECEIPTS, Part II—For experiment stations and research, year ended June 30, 1928

Land-grant college located in—	For the agricultural experiment station						For the engineering experiment station				For other research		
	Federal funds (Hatch, Adams, Purnell, etc.)	State funds for—		Experiment station earnings	Income from other sources	Total	State funds	From other sources	Total	State funds	From other sources	Total	
		Operation and maintenance	Permanent improvements										
1	16	17	18	19	20	21	22	23	24	25	26	27	
Alabama.....	\$70,000	\$65,682	\$28,725	\$9,402		\$173,809		\$101,935	\$101,935				
Alaska.....													
Arizona.....	70,000	15,000		27,111	\$700	97,111	(1)	362	362				
Arkansas.....	70,000	572,783	76,274	26,846	17,898	834,178				\$22,500	\$246,210	\$267,710	
California.....				97,213									
Colorado.....	70,000	108,155		39,172		212,327							
Connecticut.....	35,000	37,000		18,072		90,072							
Delaware.....	70,000	18,500		16,444		104,944							
Florida.....	70,000	281,805	37,300	16,122		405,227				2,500	46,812	46,812	
Georgia.....					3,000	3,000						2,500	
Hawaii.....		12,008		23,930		35,938					20,305	20,305	
Idaho.....	70,000	32,604		10,677		113,281				9,354	9,354	9,354	
Illinois.....	70,000	550,369		72,169		702,262				52,103	91,789	143,892	
Indiana.....	90,083	228,000		107,213		423,296	\$92,723	2,205	94,928	30,000	239,300	269,300	
Iowa.....	70,000	235,000		40,958		345,958	57,000	1,883	58,883	75,000	52,233	127,233	
Kansas.....	70,000	85,960	2,700	69,905	4,191	232,746	3,250	2,619	5,869	16,000		16,000	
Kentucky.....	70,000	126,517	10,375	180,849	5,000	392,841				25,000		25,000	
Louisiana.....	70,000	40,034		16,394	1,277	127,695							
Maine.....	70,000	35,000		30,027		135,027	3,050		3,050				
Maryland.....	72,500	77,400		35,224	4,125	189,249							
Massachusetts.....													
Amherst.....	70,000	96,064	2,405	23,516		191,985							
Cambridge.....													
Michigan.....	70,000			35,905		105,905							
Minnesota.....	70,000					70,000				88,000		88,000	
Mississippi.....	87,218	102,718	49,057	20,965		259,968					5,400	5,400	

Missouri.....	70,000	28,877	112,463	211,140	18,377	344	14,721	631	4,919	4,919
Montana.....	70,000	117,589	36,810	224,399						631
Nebraska.....	70,000	2,260	66,446	136,446						
Nevada.....	70,000	5,500	78,059	106,248					1,771	1,771
New Hampshire.....	70,000	297,067	87,961	470,028					30,920	30,920
New Jersey.....	70,000	7,500	12,907	90,407						
New Mexico.....	70,000	492,027	731,244	1,263,271				49,643	115,871	165,514
New York.....	70,000	60,000	8,517	144,273						
North Carolina.....	70,000	143,347	90,759	321,553						
North Dakota.....	70,000	40,000	21,097	131,097						
Ohio.....	70,000	79,500	63,906	213,406	680	680		53,500	6,267	59,767
Oklahoma.....	70,000	124,238	18,237	213,856	500	500			3,000	3,000
Oregon.....	70,000	82,177	5,621	75,621						
Pennsylvania.....	70,000	41,361	59,445	211,622						
Porto Rico.....	70,000	332,694	6,706	129,413						
Rhode Island.....	70,000	65,500	11,316	95,135			750			
South Carolina.....	70,000	77,278	16,651	542,329	2,000	2,000			1,850	1,850
South Dakota.....	70,000	332,694	124,635	185,321						
Tennessee.....	70,000	65,500	29,321	130,696						
Texas.....	70,000	25,000	35,696	169,940	2,196	2,196				
Utah.....	70,000	77,278	12,852	155,657			210		4,783	4,783
Vermont.....	70,000	93,500	59,121	222,621						
Virginia.....	72,826	63,240	412,395	565,435			4,850		55,621	55,621
West Virginia.....	70,000	48,984	11,900	153,227			408			
Wisconsin.....	70,000	4,962,853	3,044,994	11,610,155	178,596	127,304	305,890	484,537	885,647	1,350,184
Wyoming.....	70,000	284,680	110,001	110,001						
Total.....	3,227,627	4,962,853	3,044,994	11,610,155	178,596	127,304	305,890	484,537	885,647	1,350,184

† Funds returned to State, not available for institutional expenses.

‡ Fire loss.

§ See footnote 1, Part I.

LAND-GRANT COLLEGES AND UNIVERSITIES

Table 13.—RECEIPTS, Part III—For extension and regulatory service. Grand total income, year ended June 30, 1928

Land-grant college located in—	For agricultural and home economics extension					For general university extension			Grant total, receipts of institutions for all purposes
	Federal funds (Smith-Lever and others)					Total	Other funds		
	28	29	30	31	32		33	34	
Alabama.....	\$203,302	\$226,182	\$63,124	\$5,201	\$467,712	\$17,086			\$1,584,111
Alaska.....	32,761		23,375	458	56,594	7,461			1,166,913
Arizona.....	193,576	73,000	190,722	3,638	457,936	21,039			1,271,715
Arkansas.....	1125,091	386,100	(5)		511,251	211,109			1,304,189
California.....	61,101	50,000	53,701		164,802				13,619,824
Colorado.....	56,880	81,835	2,303		141,018				1,106,852
Connecticut.....	20,742	10,742	694		32,178	6,832		\$6,029	1,263,890
Delaware.....	96,816	104,848	139,748		338,412	13,212			896,744
Florida.....	237,781	224,581	4,380	21,903	488,645	8,290			2,046,464
Georgia.....									982,893
Hawaii.....						12,316	7,710	20,226	723,616
Idaho.....	42,868	58,777			98,625				1,349,576
Illinois.....	228,496	111,299	710,747		1,050,542				7,949,338
Indiana.....	171,654	152,087	104,910	59,876	488,527	51,470	5,198	61,638	3,936,224
Iowa.....	170,596	278,000			408,596	35,000		35,000	4,140,472
Kansas.....	130,962	101,841			232,803	28,000			2,496,114
Kentucky.....	197,342	142,241	117,753	1,279	458,615	22,563		1,000	2,216,070
Louisiana.....	135,711	93,438	135,100		364,249	999			1,594,471
Maine.....	59,218	49,218			108,436				1,273,392
Maryland.....	82,516	109,287			188,803	37,100	18,673	55,773	2,344,660
Massachusetts: Amherst.....	31,235				31,235	85,214	800	86,014	1,508,570
Cambridge.....									4,005,398
Michigan.....	159,914	335,000			494,914				3,196,311
Minnesota.....	130,319	135,775			266,094			1,397,388	9,724,974
Mississippi.....	172,905	162,905	145,117		480,927	6,761		6,761	1,707,374
Missouri.....	200,921	109,464	142,807	11,019	463,211	17,637		69,145	3,608,155
Montana.....	49,567	83,920	79,533		213,020	2,460		2,509	785,870

	1937, 254	50, 873	31, 809	151, 254	60, 015	35, 500	30, 829	30, 829	31, 411	3, 700, 424
New Hampshire	40, 236	35, 873	3, 775	108, 234	60, 015	35, 500	35, 500	35, 500	51, 116	1, 437, 761
New Jersey	80, 774	101, 060	153, 006	339, 570	3, 500	15, 000	84, 315	99, 315	7, 000	3, 834, 402
New Mexico	41, 036	33, 253	668, 013	74, 289	76, 750	53, 564	2, 500	56, 064		9, 709, 470
New York	197, 798	430, 762	180, 506	1, 453, 323	7, 215	588, 210				2, 087, 269
North Carolina	227, 356	173, 043	33, 842	150, 760	1, 224					983, 085
North Dakota	68, 694	30, 000	230, 137	757, 385						6, 804, 063
Ohio	228, 775	298, 473	177, 072	473, 405		2, 400	7, 839	10, 339	3, 451	2, 044, 158
Oklahoma	168, 423	130, 000	86, 479	263, 554	1, 500		198, 611	198, 641		2, 276, 063
Oregon	51, 225	127, 850		644, 268						3, 875, 273
Pennsylvania	336, 987	305, 781								747, 602
Porto Rico										
Rhode Island	10, 871			10, 871		871		871	5, 537	3, 459, 511
South Carolina	138, 014	110, 863	85, 022	266, 877					147, 834	1, 586, 485
South Dakota	66, 176	84, 032	129, 297	255, 230		5, 290	3, 595	8, 894		1, 006, 041
Tennessee	191, 114		233, 800	362, 828	42, 147		9, 382	9, 382		2, 411, 702
Texas	349, 145	251, 326		831, 737	6, 076		6, 432	6, 432	244, 563	4, 059, 493
Utah	34, 565	42, 500	3, 725	50, 790						649, 501
Vermont	35, 473	25, 200	( )	60, 673	( )	8, 000	1, 606	9, 606	18, 891	1, 297, 802
Virginia	181, 805	191, 333	92, 306	480, 676	15, 232		12, 912	12, 912		1, 983, 510
Washington	97, 965	63, 270	91, 652	252, 286			14, 951	14, 951	1, 507	1, 923, 080
West Virginia	425, 075	85, 000	110, 348	320, 363		73, 000	6, 884	79, 884		2, 301, 781
Wisconsin	155, 779	137, 351		283, 130		301, 639	241, 632	543, 271		7, 987, 904
Wyoming	24, 400			24, 400			5, 152	5, 152		7, 988, 810
Total	5, 971, 284	5, 759, 483	3, 569, 869	15, 150, 734	220, 158	873, 015	1, 139, 322	2, 032, 337	2, 506, 339	142, 182, 108

U. S. Department of Agriculture provides \$18,968, which is not handled by the university.

† Not handled by the university.

\* Figures not available.



## LAND-GRANT COLLEGES AND UNIVERSITIES

Table 14.—EXPENDITURES, Part I—Salaries and wages (operation and maintenance) year ended June 30, 1928

Land-grant college located in—	Total for salaries and wages											
	1	2	3	4	5	6	7	8	9	10	11	12
Alabama.....	\$30,954	\$286,506		\$3,329	\$278,153	\$89,025	(1)	\$16,861	\$6,060	\$29,522		\$742,440
Alaska.....	12,454	53,410										74,082
Arizona.....	54,036	436,686		18,837	78,274	135,628	54,322	41,539	15,864		\$8,637	843,823
Arkansas.....	66,122	277,292		17,320	186,248	175,794	20,834	5,225				750,835
California.....	380,269	3,913,902		193,123	737,927	843,669	384,246	173,892	12,409		352,176	6,991,873
Colorado.....	37,024	221,374		10,463	112,032	142,652	34,305	45,396		25,500		628,766
Connecticut.....	38,941	248,087		4,780	96,581	66,562	61,660	10,146	25,410	426		552,568
Delaware.....	27,097	182,940		9,048	26,050	67,493	24,119	44,863				381,610
Florida.....	77,760	462,805		13,600	41,269	497,650	69,759	36,483	20,686	12,384		1,232,406
Georgia.....	46,713	164,808		4,073	381,303		14,867		10,611			622,375
Hawaii.....	21,891	194,163		15,243	14,750	50,235	18,549	5,534	7,983			328,346
Idaho.....	46,435	392,581		12,745	76,060	86,037	65,088	25,037	28,059			732,062
Illinois.....	279,214	2,975,394		131,230	410,852	494,477	314,521	16,206	25,960			4,047,854
Indiana.....	98,298	961,635		16,158	444,267	536,948	138,648	20,327	1,652	58,505		2,276,428
Iowa.....	114,725	1,329,027		37,132	354,602	344,449	172,597	59,552	33,295			2,445,379
Kansas.....	80,291	1,071,321		30,947	228,507	94,326	86,713		25,541	17,823		1,635,769
Kentucky.....	51,155	614,177		16,460	363,223	236,379	67,658		14,715			1,363,767
Louisiana.....	40,260	427,778		20,000	234,211	137,648	83,499			20,881		966,277
Maine.....	45,704	354,685		8,969	75,298	92,973	77,934	8,498	28,429			692,550
Maryland.....	96,678	592,601		12,295	189,064	143,416	71,960	45,089	39,629		177,375	1,371,107
Massachusetts:												
Amherst.....	42,572	351,036		11,420	83,101	171,922	123,928		23,882			807,861
Cambridge.....	130,184	1,266,059		29,853		210,000	223,950					1,860,046
Michigan.....	89,376	890,390		20,460	326,252	294,417	160,015	9,831	7,342		15,645	1,823,748
Minnesota.....	239,060	2,019,430		125,701	397,116	525,331	189,041	341,821	95,069	63,258	174,311	4,770,188
Mississippi.....	58,392	196,949		7,060	447,870	137,686	63,411	25,931	31,530	8,530		977,379
Missouri.....	133,751	1,202,464		45,771	377,364	122,739	143,571	90,863	19,150	26,769		2,101,642
Montana.....	26,010	211,461		7,052	120,234	158,434	54,363		5,021			682,575
Nebraska.....	103,663	1,175,923		39,440	170,351	173,334	13,700	24,105	6,174		36,718	1,743,408
Nevada.....	24,223	202,663		9,035	45,398	54,721	20,678	26,328	14,654			411,726
New Hampshire.....	37,769	344,603		11,516	82,144	73,420	65,030	17,862	40,838	5,005	1,903	678,126

New Jersey	73,546	754,469	27,171	220,841	288,776	87,208	5,302	120,964	2,729	1,578,277
New Mexico	13,219	92,239	3,025	87,873	58,705	13,900		4,083		4,278,773
New York	490,994	2,808,402	34,646	(5)	523,369	163,841	175,744	103,523	271,887	4,572,406
North Carolina	80,857	442,266	12,057	465,703	97,484	38,190		62,121	16,619	1,185,207
North Dakota	38,214	271,733	10,613	115,766	186,683	44,461		10,465	8,748	686,703
Ohio	155,059	2,291,592	85,321	569,742	116,505	366,130	176,328	40,171	54,740	3,967,803
Oklahoma	123,854	570,231	12,616	214,445	86,359	27,405	4,596	16,656	3,600	1,066,842
Oregon	97,704	762,194	28,437	200,877	193,931	134,085	2,141	42,438		1,461,807
Pennsylvania	107,912	1,146,988	17,105	658,092	201,712	95,367	8,059	31,276		2,266,511
Porto Rico	28,043	381,788	9,396		22,634	34,321		5,127		481,309
Rhode Island	56,978	111,787	1,500	8,290	56,441	11,891		27,032		273,919
South Carolina	24,202	153,664	5,441		132,911	23,346		35,763	15,932	391,259
South Dakota	33,246	259,191	6,488	176,865	81,509	79,175	4,624	4,635		645,763
Tennessee	54,226	591,165	28,285	246,451	94,003	60,942	20,842	24,873		1,125,787
Texas	89,231	591,960	9,118	676,740	331,201	85,138	226,914	106,077	25,349	2,141,728
Utah	20,663	211,403	4,362	68,143	109,062	28,847			342	442,822
Vermont	37,302	368,219	6,325	51,346	67,920	21,613	34,399	21,713	20,451	629,288
Virginia	25,682	252,076	6,493	408,415	124,164	43,019	62,279	34,529		957,537
Washington	73,951	551,878	29,805	200,336	109,992	68,217	25,268	17,588		1,137,035
West Virginia	94,233	859,081	12,213	305,492	136,226	37,000		21,789	22,807	1,498,555
Wisconsin	228,366	2,956,504	59,437	445,366	72,222	191,137	133,073	158,818	97,973	4,679,656
Wyoming	43,854	325,545	14,120	80,959	90,552	28,276	1,900	17,833	2,400	4,605,439
<b>Total</b>	<b>4,495,537</b>	<b>40,381,557</b>	<b>1,307,124</b>	<b>11,592,548</b>	<b>9,309,936</b>	<b>4,522,603</b>	<b>1,927,893</b>	<b>1,497,360</b>	<b>545,596</b>	<b>77,165,752</b>

1 Included in column 6.

2 This amount is designated as "Miscellaneous."

3 Included in column 3.

Table 14.—EXPENDITURES, Part II—Materials, supplies, and other expenses of operation and maintenance, year ended June 30, 1928

Land-grant college located in—	1											Total for materials, supplies, etc.
	13	14	15	16	17	18	19	20	21	22	23	
Alabama	\$6,550	\$201,393	\$830	\$83,369	\$14,617	(1)	\$6,524	\$27,264	\$65,503		\$509,985	
Alaska	3,200	1,966					370				11,150	
Arizona	27,349	36,396	2,704	31,352	47,541	79,365	51,130	66,469	46,293	\$2,206	390,715	
Arkansas	60,449	30,282	1,926	84,477	51,645	61,945	807				291,541	
California	139,817	476,353	20,807	143,670	323,690	250,707	312,794	22,387			1,994,913	
Colorado	24,026	42,476	4,821	78,086	63,091	55,279	79,056		37,770		384,705	
Connecticut	8,541	118,800	2,242	48,611	26,008	134,607	60,000	85,593	18,116		502,988	
Delaware	16,083	18,273	2,258	12,346	35,393	27,280	61,312	73,312	4,770		189,725	
Florida	43,834	44,148	8,411	15,491	152,694	62,257	48,284	76,083	107,366		500,548	
Georgia	76,286	17,965	2,716	102,900		15,955	1,888	30,892			248,712	
Hawaii	5,908	11,921	829	6,736	21,275	8,352	13,104	16,652			84,977	
Idaho	9,562	73,662	675	38,566	31,969	13,491	13,505	74,431			380,801	
Illinois	67,748	452,368	4,003	38,943	150,046	447,542	17,227	67,478			1,265,875	
Indiana	28,672	155,509	4,794	124,707	155,028	276,443	133,270	2,395	85,813		968,631	
Iowa	40,179	328,157	20,422	101,287	112,516	268,882	89,527	40,379			934,347	
Kansas	29,693	119,321		42,981	64,295	93,117		47,809	54,704		452,321	
Kentucky	24,048	65,421	5,102	140,318	111,309	88,853		58,431			495,402	
Louisiana	6,452	92,576	18,170	132,514	63,194	92,218					449,786	
Maine	23,732	73,754	743	37,612	28,089	67,241	8,479	85,233	41,662		324,863	
Maryland	56,731	109,003	564	71,905	48,271	53,864	122,309	82,494		194,677	738,815	
Massachusetts:												
Amherst	11,943	68,756	6,416	33,348	40,888	75,968	38	100,611	21,997		339,965	
Cambridge	132,066	92,496	11,294		1,257,780	176,293	48,820				718,819	
Michigan	14,072	169,081	1,102	108,963	111,617	43,215	260,479	5,912		9,502	823,943	
Minnesota	100,040	322,042	23,639	81,153	121,963	472,410	878,791	280,141	183,090		2,614,556	
Mississippi	52,440	11,932	1,843	37,554	48,867	129,511	95,016	143,199	30,660		551,155	
Missouri	43,557	199,407	3,243	148,109	109,054	178,896	245,470	45,694	149,323		1,113,723	
Montana	11,613	33,245	519	26,925	45,517	14,081	10,305	10,305	11,863		154,068	
Nebraska	54,680	529,191	2,645	45,029	114,501	279,435	111,350	106,439		132,840	1,376,113	

Nevada.....	9,967	10,842	408	34,092	16,891	19,694	15,742	28,089	31,343	166,970	
New Hampshire.....	12,551	83,760	673	29,650	19,661	68,911	90,662	111,026	19,371	427,275	
New Jersey.....	62,567	119,080	1,921	64,910	177,896	424,638	8,102	329,292	1,968	888,366	
New Mexico.....	9,995	47,542	1,150	50,552	29,819	13,153	7,140	7,140	472	161,793	
New York.....	288,748	1,087,665	47,903	(1)	142,084	325,683	342,934	574,583	82,689	2,853,969	
North Carolina.....	12,545	51,267	649	121,066	43,208	55,073	43,897	194,179	42,105	536,249	
North Dakota.....	13,305	31,929	680	46,713	123,154	93,203	17,841	17,841	226	301,081	
Ohio.....	20,419	244,726	18,653	179,155	35,691	251,325	629,755	68,137	188,700	1,707,713	
Oklahoma.....	9,712	158,542	719	48,684	25,395	50,277	60,738	17,835	49,111	421,832	
Oregon.....	58,173	80,709	1,537	86,141	63,124	73,083	73,732	84,822	.....	448,331	
Pennsylvania.....	34,143	197,174	2,593	199,769	33,054	143,790	421,497	64,004	.....	1,190,068	
Porto Rico.....	15,315	32,551	1,267	.....	9,998	11,449	.....	6,191	.....	76,668	
Rhode Island.....	39,881	13,710	1,059	4,309	12,926	12,952	10,481	61,871	.....	159,089	
South Carolina.....	5,537	95,885	1,820	.....	58,194	40,923	.....	176,883	32,107	411,349	
South Dakota.....	2,755	83,408	497	61,807	33,309	95,581	5,526	3,086	.....	285,969	
Tennessee.....	45,205	104,745	4,491	38,918	29,335	74,197	8,252	94,784	.....	423,852	
Texas.....	27,898	107,050	2,541	151,895	112,431	141,165	559,558	363,050	37,258	1,503,432	
Utah.....	42,920	28,212	252	14,316	34,137	32,018	.....	.....	3,825	155,710	
Vermont.....	44,214	24,921	475	13,701	24,657	44,173	28,266	37,223	29,965	238,685	
Virginia.....	24,589	53,376	1,752	93,422	36,553	46,273	122,242	178,271	.....	556,468	
Washington.....	9,503	91,114	2,156	72,991	68,573	107,084	20,367	2,606	.....	374,694	
West Virginia.....	49,061	198,772	13,614	43,694	63,234	49,464	1,896	72,336	2,713	497,092	
Wisconsin.....	95,297	598,079	2,525	215,045	69,098	492,944	123,590	219,315	189,776	2,354,344	
Wyoming.....	39,887	35,515	653	16,670	30,475	27,311	23,073	42,753	29,271	245,638	
Total.....	2,101,448	7,475,980	262,426	3,415,448	3,655,589	5,998,822	5,190,263	4,283,042	1,480,469	1,315,272	35,180,699

† Included in column 17.

‡ This amount is designated as "Miscellaneous."

§ Included in column 14.

Table 14.—EXPENDITURES, Part III—Capital outlay for year ended June 30, 1928

Land-grant college located in—	Equipment (capital outlay)											Lands, buildings, and land improvements (capital outlay)
	24	25	26	27	28	29	30	31	32	33	34	
Alabama.....	\$197	\$9,650	\$4,225	\$5,118	\$8,445	\$12,607	\$356	\$1,885	\$302	\$30,178	\$107,942	
Alaska.....		2,631	819							16,057	40,315	
Arizona.....	587	21,791	7,567	95	14,370	3,145	3,773	201		51,576	46,044	
Arkansas.....	3,481	39,283	34,487	3,832	11,446	2,418	35		\$47	94,962	87,952	
California.....	17,424	151,031	117,074	21,733	79,394	9,350	10,985			417,480	3,091,919	
Colorado.....	951	7,585	3,914	2,028	17,275	17,949	9,648			59,350	130,603	
Connecticut.....		2,532		251	3,355	4,118		5,652		15,908	240,384	
Delaware.....	5,157	27,000	15,613	7,883	37,261	24,730	4,972	4,165	10,894	137,675	276,126	
Florida.....	3,832	5,397	610	12,688		578		2,426		25,531	42,937	
Georgia.....												
Hawaii.....	375	9,515	6,357	477	1,645	1,309	217	631		20,526	138,019	
Idaho.....	1,463	24,601	10,214	2,966	8,549	21,130	1,553	22,233		92,706	116,122	
Illinois.....	21,654	171,946	86,637	2,007	59,795	1,803	1,803	3,629		347,511	1,131,570	
Indiana.....	2,480	63,960	10,263	2,947	28,974	101,663	90	59	9,127	219,563	428,874	
Iowa.....	314	17,199	41,567	4,535	25,472	9,675	1,915	53,692		154,369	538,498	
Kansas.....		82,417	22,303		29,716	12,624		2,010	1,891	150,961	212,952	
Kentucky.....	437	25,719	13,074	302	18,028	5,646		2,336		65,542	117,086	
Louisiana.....					6,776	7,112			10,000	23,888	107,516	
Maine.....	2,960	25,013	8,706	950	7,470	2,382	1,368	3,086		51,935	173,982	
Maryland.....	2,951	47,618	9,608	2,226	11,737	5,837	8,828	5,036		97,552	20,102	
Massachusetts:												
Amherst.....	1,239	11,309	18	530	1,539	5,377				121,792	68,201	
Cambridge.....		42,000	3,600		36,400	8,400				118,900	799,750	
Michigan.....	1,192	35,421	11,873	10,097	10,550	10,416	7,715			87,718	207,722	
Minnesota.....	14,404	124,584	138,739	3,326	42,977	( <sup>1</sup> )	125,846	15,178	3,100	483,159	1,532,853	
Mississippi.....	1,473	5,511	2,169	602	8,381					13,136	60,051	

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Missouri.....	3, 418	43, 986	26, 964	4, 479	11, 375	1, 483	12, 325	230	572	104, 732	113, 060
Montana.....	4, 263	4, 263	2, 551	1, 240	14, 578	1, 240		196		23, 761	12, 000
Nebraska.....	3, 001	92, 837	36, 378	4, 574	33, 799	2, 603		403		175, 792	424, 872
Nevada.....	1, 128	4, 998	3, 972	3, 312	3, 745	1, 774	1, 752	2, 724		23, 405	26, 645
New Hampshire.....	3, 042	18, 238	9, 008	1, 450	8, 667	2, 919	1, 343	4, 554		48, 221	297, 585
New Jersey.....	1, 208	84, 058	10, 833	4, 550	24, 032	2, 109				126, 875	881, 725
New Mexico.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14, 153	( <sup>1</sup> )	( <sup>1</sup> )	15, 453		33, 150	4, 100
New York.....	1, 106	7, 907	9, 504	1, 441	3, 581	4, 556		8, 960	3, 544	33, 045	259, 614
North Carolina.....	955	7, 882	5, 258	1, 887	10, 708	2, 588		3, 535		31, 813	342, 678
North Dakota.....											44, 804
Ohio.....	3, 818	90, 474	55, 830	4, 420	13, 980	26, 122	69, 579	5, 871	1, 694	309, 233	571, 914
Oklahoma.....	6, 253	33, 285	13, 738	3, 294	14, 527	3, 143				74, 282	163, 222
Oregon.....	2, 374	25, 894	17, 075	3, 910	11, 253	4, 223	68			64, 297	372, 895
Pennsylvania.....	4, 303	42, 257	7, 803	2, 142	17, 023	19, 372	18, 658	7, 329		118, 887	473, 994
Porto Rico.....		19, 362	6, 588		1, 784		17, 289	15, 993		61, 016	60, 213
Rhode Island.....	7, 644			694	3, 922	1, 245		876		14, 381	399, 962
South Carolina.....	405	15, 568	2, 617		4, 245	1, 112		2, 047	311	26, 305	269, 178
South Dakota.....	351	14, 310	3, 565	1, 824	7, 588	3, 288	2, 692			36, 270	77, 647
Tennessee.....	3, 208	64, 980	21, 835	1, 604	5, 363	7, 576	860	8, 605		114, 029	458, 226
Texas.....	4, 759	29, 682	3, 470	486	40, 680	28, 032	24, 841	24, 930	18, 845	176, 725	434, 035
Utah.....	7, 474	5, 721	4, 263	491	7, 647	82				24, 813	32, 513
Vermont.....	601	11, 746	3, 636	4, 034	15, 749	668	3, 607	1, 314	135	44, 711	5, 473
Virginia.....	2, 139	27, 931	4, 072	1, 683	10, 843	33, 064	11, 418	8, 234	3, 356	99, 384	408, 534
Washington.....	2, 017	66, 342	7, 251	6, 664	27, 767	3, 238	6, 325	2, 914		122, 518	544, 505
West Virginia.....		22, 476		23, 727	7, 230					53, 433	234, 596
Wisconsin.....	13, 011	143, 618	47, 189	23, 466	4, 233	8, 179	2, 927	9, 733	3, 301	274, 252	983, 399
Wyoming.....			13, 054		1, 645					14, 729	225, 174
Total.....	155, 181	1, 840, 048	865, 008	184, 046	789, 572	421, 072	380, 288	248, 772	63, 528	5, 081, 254	18, 038, 813

<sup>1</sup> Included in Part II, this table.      <sup>2</sup> This amount is designated as "Miscellaneous."      <sup>3</sup> Included in column 24.      <sup>4</sup> Included in column 25.



Table 14.—EXPENDITURES, Part IV—Grand totals, year ended June 30, 1928

Land-grant college located in	36	37	38	39	40	41	42	43	44	45	46	47	48
	Adminis- tration and general	Resident instruction	General library	Ex-tension	Experiment station and other organized research	Physical plant operation and main- tenance	Supple- mentary operations not in- cluded in columns 43, 44, and 45	Dormi- tories and dining halls	Athletics	Medical school hospitals	Physical plant exten- sions (lands, buildings, and land improve- ments)	Trust funds	Grand total of all expendi- tures (Parts I, II, and III of this table)
Alabama	\$37,701	\$499,549	88,384	\$366,660	\$142,087	\$27,359	\$97,356	\$35,539	\$95,327		\$107,942	\$103,198	\$1,493,743
Alaska	15,744	57,027				136,832	96,442	82,534	6,293	\$10,890	40,315	1,100	142,714
Arizona	81,972	494,783	29,108	109,721	197,339	85,197	6,067				46,044	257	1,332,415
Arkansas	130,052	346,947	53,733	276,557	236,885	614,303	497,671			667,653	87,952	391,075	1,616,365
California	537,240	4,541,286	331,004	903,330	1,246,983			34,796			3,091,919	1,638,051	14,104,236
Colorado	62,001	271,435	19,218	192,146	223,018	107,533	134,100		63,970		150,703		1,203,324
Connecticut	47,482	366,977	7,022	145,167	92,576	195,667	70,306	111,003	18,542		240,984	7,432	1,302,052
Delaware	43,150	203,745	11,346	38,047	106,241	55,517		123,827	4,770		276,136		1,863,969
Florida	128,751	633,933	37,634	64,673	687,605	156,736	89,739	100,644	130,644		170,739		2,101,359
Georgia	126,831	188,190	7,399	496,981		31,400	1,888	43,929			42,937	26,018	965,573
Hawaii	28,174	215,599	22,429	21,963	73,155	28,410	18,855	25,266			138,019	1,225	573,095
Idaho	57,460	490,844	23,631	117,612	126,495	221,769	40,965	127,723			106,122		1,321,691
Illinois	368,616	3,569,698	221,870	451,802	704,918	762,063	33,236	97,047			1,131,570	88,638	7,481,448
Indiana	129,420	1,181,104	31,215	571,941	730,950	516,754	133,687	4,106	153,445		428,874	27,513	3,919,009
Iowa	155,218	1,672,381	96,121	460,424	482,437	346,154	450,964	127,366			558,408	47,003	4,139,596
Kansas	109,984	1,273,659	53,250	271,788	188,308	192,424		75,420	74,218		212,932	12,139	2,464,142
Kentucky	76,540	706,317	34,636	503,843	365,716	162,177		75,482			117,086	691	2,042,488
Louisiana	46,712	530,354	38,170	366,725	507,618	184,829			73,543		107,516		1,547,467
Maine	72,456	453,452	18,448	113,830	128,532	147,537	18,347	116,748			173,982		1,243,350
Maryland	158,360	749,222	22,467	263,195	243,424	131,661	176,226	127,136		375,763	20,102		2,227,576
Massachusetts:													
Amherst	55,754	431,101	17,854	116,979	214,349	203,273	38	124,493	21,097		68,201		1,256,039
Cambridge	262,280	1,400,555	44,747	744,180	744,180	408,643	77,360				799,750	415,132	3,912,667
Michigan	104,640	1,094,892	33,455	455,312	416,284	313,646	278,025	13,274		25,001	207,722	1,715	2,944,546
Minnesota	353,524	3,096,056	268,079	481,308	690,271	661,451	1,346,458	390,418	249,448	340,600	1,532,853	642,918	10,043,674
Mississippi	112,305	214,392	11,092	486,026	194,934	193,055	120,947	174,729	39,190		60,051		1,006,721
Missouri	180,726	1,445,857	75,978	529,932	234,068	323,950	348,628	65,044	170,064		113,030	117,038	3,610,385
Montana	38,235	248,949	10,122	147,430	218,529	69,684		113,522	11,863		12,000		772,404
Nebraska	161,344	1,797,951	78,463	219,954	321,637	295,828	135,455	113,016	171,663		424,872		3,720,188

LAND-GRANT COLLEGES AND UNIVERSITIES

Nevada.....	35,318	218,525	13,415	82,802	75,357	51,058	43,820	45,407	36,348	26,045	9,436	638,191
New Hampshire.....	53,302	48,901	21,197	104,224	101,748	136,960	108,887	156,468	21,274	297,393	4,106	1,472,322
New Jersey.....	137,406	957,577	39,925	290,301	490,694	213,955	13,404	450,280	4,697	881,725	18,216	3,493,459
New Mexico.....	23,214	139,781	4,475	138,425	88,524	27,655	11,223	11,223	4,100	4,100	441,666	7,801,374
New York.....	239,742	3,896,067	82,349	(1)	679,606	491,524	518,578	673,559	3,38,120	259,614	172,215	2,097,269
North Carolina.....	64,468	501,440	22,300	588,210	144,273	93,719	43,897	237,560	58,724	342,678	44,804	1,064,401
North Dakota.....	54,474	311,544	16,551	163,386	320,575	112,252	875,662	31,841	8,974	571,914	115,810	6,556,663
Ohio.....	179,266	2,635,792	159,784	753,317	166,176	643,577	114,199	114,199	217,134	163,222	12,702	1,841,988
Oklahoma.....	139,819	762,058	27,073	246,423	126,261	80,825	65,334	34,511	54,711	372,895	3,992,162	2,347,330
Oregon.....	158,251	808,297	47,049	200,928	268,368	211,401	2,941	127,530	5,941	473,994	3,106	3,992,162
Pennsylvania.....	150,398	1,386,423	27,501	860,003	271,789	288,529	448,214	102,669	102,669	50,213	3,106	672,312
Porto Rico.....	43,358	433,701	17,231	860,003	34,416	45,767	17,280	27,211	.....	.....	.....	.....
Rhode Island.....	104,503	125,497	2,559	13,193	73,289	26,089	10,481	91,779	.....	399,962	.....	847,351
South Carolina.....	30,144	255,117	9,878	195,350	63,381	63,381	214,693	214,693	49,350	269,178	.....	1,048,091
South Dakota.....	36,352	376,960	10,550	240,526	122,406	178,044	12,842	10,373	.....	77,647	.....	1,045,649
Tennessee.....	102,637	764,890	54,611	306,973	128,701	142,715	29,934	133,207	.....	458,226	55,538	2,177,752
Texas.....	121,868	728,672	15,129	829,124	484,312	254,338	811,313	494,657	81,452	434,035	14,401	4,269,321
Utah.....	71,057	245,336	8,877	82,950	150,846	60,977	66,262	60,250	4,302	32,513	300	657,158
Vermont.....	82,117	404,886	10,436	69,081	108,326	66,454	66,454	221,034	44,772	5,473	20,756	938,813
Virginia.....	52,410	333,383	12,317	503,520	171,500	123,256	165,909	221,034	.....	406,534	18,304	2,038,227
Washington.....	85,471	709,334	33,212	279,991	296,632	178,539	51,960	23,108	.....	544,505	18,419	2,197,171
West Virginia.....	143,294	1,080,329	25,827	372,913	206,690	86,464	1,806	94,125	25,520	254,596	.....	3,303,676
Wisconsin.....	336,674	3,701,181	109,151	683,817	145,533	692,300	259,590	407,866	291,050	983,399	74,494	8,370,145
Wyoming.....	83,841	361,060	27,857	97,629	122,672	55,617	24,873	60,596	31,671	225,174	57,197	1,148,177
Total.....	6,752,166	49,700,585	2,435,558	15,192,042	13,875,067	10,912,407	7,497,384	6,029,174	2,089,593	18,038,813	4,116,083	139,532,601

Includes income transferred to endowment, \$1,490,424.

This amount is designated as "Miscellaneous."

Included in column 37.



Table 15.—RECAPITULATION OF RECEIPTS AND EXPENDITURES—Year ended June 30, 1928.

Land-grant college located in—	Total receipts								Total expenditures					Grand total expenditures
	Federal funds	State funds <sup>1</sup>	Private gifts <sup>1</sup>	Institutional funds	Earnings	Miscellaneous receipts <sup>1</sup>	Grand total receipts	Capital outlay			Trust funds			
								Salaries and wages	Materials, supplies, etc.	Equipment		Buildings, and land improvements		
1.	3	3	4	5	6	7	8	9	10	11	12	13	14	
Alabama.....	\$331,943	\$671,834	\$11,255	\$310,316	\$166,563	\$98,200	\$1,584,111	\$742,440	\$509,965	\$30,178	\$107,942	\$103,198	\$1,493,743	
Alaska.....	50,000	90,300	.....	1,967	3,721	1,925	146,913	74,092	11,150	16,057	40,315	1,100	1,142,714	
Arizona.....	207,558	674,433	334	223,003	142,254	23,823	1,271,715	843,823	390,715	51,576	46,044	1,257	1,332,415	
Arkansas.....	280,484	689,250	1,060	106,018	32,997	194,360	1,304,189	750,835	291,541	94,962	87,852	391,075	1,616,365	
California.....	306,922	8,123,641	1,992,885	2,679,324	359,526	157,526	13,619,824	6,901,873	1,964,913	417,480	3,091,919	1,638,051	14,104,236	
Colorado.....	214,332	619,226	.....	106,571	112,032	53,791	1,106,852	628,766	384,605	59,350	130,603	.....	1,203,324	
Connecticut.....	154,791	600,240	2,393	123,061	415,405	.....	1,295,890	552,568	502,068	.....	240,384	7,032	1,302,652	
Delaware.....	141,072	433,824	51,506	112,316	127,939	87	866,744	381,610	189,725	15,908	276,126	.....	863,369	
Florida.....	203,173	1,298,637	.....	266,850	191,056	136,748	2,096,464	1,232,406	560,548	137,675	170,730	.....	2,101,359	
Georgia.....	301,808	400,730	42,521	80,789	131,390	25,655	982,893	622,375	248,712	25,531	42,937	26,018	965,573	
Hawaii.....	52,864	542,249	1,005	39,313	68,185	20,000	723,616	328,348	84,977	20,526	138,019	1,225	573,095	
Idaho.....	276,612	807,838	.....	63,461	201,665	.....	1,349,576	732,062	380,801	92,706	116,122	.....	1,321,691	
Illinois.....	396,997	5,833,412	133,050	923,889	544,548	117,442	7,949,338	4,647,854	1,265,875	347,511	1,131,570	88,638	7,481,448	
Indiana.....	355,471	2,033,181	20,103	490,008	400,582	636,279	3,936,224	2,276,428	960,631	219,583	428,874	27,513	3,919,009	
Iowa.....	340,498	2,761,500	.....	441,572	544,669	52,233	4,140,472	2,445,379	934,347	154,369	658,498	47,003	4,139,596	
Kansas.....	286,803	1,489,020	4,191	351,250	393,898	952	2,496,114	1,635,769	452,321	150,061	212,952	12,139	2,464,142	
Kentucky.....	332,337	1,309,450	6,279	192,508	257,743	117,753	2,216,070	1,363,707	495,492	65,642	117,066	691	2,042,488	
Louisiana.....	255,135	927,009	5,664	197,149	71,637	137,877	1,594,471	966,277	449,786	23,888	107,516	.....	1,547,467	
Maine.....	188,366	567,664	101,146	224,644	193,572	.....	1,275,392	692,560	324,863	51,935	173,962	.....	1,243,350	
Maryland.....	211,672	693,621	13,068	1,043,179	354,757	28,363	2,884,660	1,371,107	738,815	97,552	20,102	.....	2,227,576	
Massachusetts: Amherst (M. A. C.) Cambridge (M. I. T.)	144,063	966,557	.....	79,775	258,810	59,335	1,508,570	807,861	359,965	20,012	68,201	.....	1,256,039	
.....	20,317	.....	1,110,697	2,555,948	318,526	.....	4,005,398	1,890,040	718,819	118,900	799,750	415,152	3,912,667	

LAND-GRANT COLLEGES AND UNIVERSITIES

Michigan.....	334,267	2,130,960	197,671	284,750	440,304	1,397,368	3,196,311	1,823,748	823,043	87,718	207,722	1,715	2,944,840
Minnesota.....	436,146	4,713,231	109,766	2,693,769	387,169	1,397,368	9,724,974	4,770,188	2,014,556	483,159	1,532,853	642,918	10,043,674
Mississippi.....	286,425	594,635	109,766	109,766	542,113	164,435	1,707,374	977,379	551,155	18,130	60,051		1,606,721
Missouri.....	379,407	1,760,196	55,245	641,537	404,999	426,771	3,668,155	2,161,842	1,113,723	104,732	113,050	117,038	3,010,385
Montana.....	216,559	216,559	5,000	50,162	86,196	12,042	785,870	582,575	194,068	23,761	12,000		772,404
Nebraska.....	292,850	2,133,197	479,418	479,418	793,378	12,042	3,700,843	1,743,408	1,743,113	175,792	424,872		3,720,185
Nevada.....	158,541	285,075	28,508	88,569	81,972	31,869	684,534	411,735	166,970	23,405	26,645	9,436	638,191
New Hampshire.....	132,620	657,184	1,771	339,286	303,125	3,775	1,457,761	675,125	427,275	48,221	297,585	4,106	1,452,322
New Jersey.....	214,603	1,456,719	598,504	864,553	542,867	157,136	3,834,402	1,578,277	888,366	126,875	881,725	18,216	3,493,459
New Mexico.....	167,312	148,366		11,912	58,433	35,753	421,776	275,773	161,793		4,100		441,666
New York.....	376,605	2,038,033	2,104,345	3,007,801	1,429,269	753,367	9,709,470	4,572,406	2,853,989	33,150	259,614	172,216	7,891,374
North Carolina.....	344,249	966,745	3,268	234,360	318,125	200,532	2,047,269	1,185,267	530,249	33,045	342,678		2,097,269
North Dakota.....	274,423	506,983	9,000	46,635	120,978	35,060	993,065	686,703	301,081	31,813	44,804		1,064,401
Ohio.....	323,797	4,170,491	22,027	1,688,085	369,526	230,137	6,804,063	3,967,803	1,707,713	309,233	571,914		6,556,063
Oklahoma.....	436,423	990,000	2,560	242,630	205,473	177,072	2,044,158	1,060,842	421,832	74,252	163,222	115,810	1,841,988
Oregon.....	187,373	1,476,687	6,267	279,046	224,423	101,367	2,276,063	1,461,807	448,331	64,297	372,895		2,347,330
Pennsylvania.....	514,355	1,482,947	345,698	873,061	657,744	1,500	3,875,273	2,296,511	1,120,068	118,887	473,944	12,702	3,992,162
Porto Rico.....	50,384	613,777	3,000	41,249	89,192		747,902	481,309	76,068	61,016	50,213	3,106	672,312
Rhode Island.....	133,371	151,966		52,969	116,918	4,257	1,459,511	273,919	159,089	14,381	399,902		847,351
South Carolina.....	256,768	918,294		94,647	277,902	38,874	1,586,485	391,259	411,349	26,305	269,178		1,098,091
South Dakota.....	267,395	408,760		68,184	96,092	177,610	1,008,041	645,763	285,969	36,270	77,647		1,045,649
Tennessee.....	354,584	1,327,684	14,221	286,977	281,069	167,147	2,411,702	1,125,787	423,852	114,029	458,226	55,854	2,177,752
Texas.....	472,406	1,496,178		449,026	1,209,742	432,141	4,059,493	2,141,728	1,503,432	175,725	434,035	14,401	4,269,321
Utah.....	175,572	344,350	4,843	59,930	42,176	22,630	649,501	442,822	155,710	25,813	32,513	300	657,158
Vermont.....	168,966	139,803	362,920	457,656	147,960	20,497	1,297,802	629,288	239,585	44,711	5,473	20,756	938,813
Virginia.....	310,703	744,736		83,642	679,699	154,760	1,983,510	957,537	556,468	99,384	409,534	18,304	2,038,227
Washington.....	367,074	1,083,917	7,133	198,065	175,648	91,052	1,923,086	1,137,035	374,694	122,518	544,505	18,419	2,197,171
West Virginia.....	254,885	1,419,732		335,421	174,511	117,232	2,301,781	1,498,555	497,092	53,433	254,596		2,303,676
Wisconsin.....	297,377	4,431,546	123,536	1,392,028	1,588,858	54,550	7,987,904	4,679,656	2,358,344	274,252	983,399	74,404	8,370,145
Wyoming.....	242,933	472,006	300	99,049	127,581	26,341	968,810	605,439	245,638	14,729	225,174	57,197	1,148,177
Total.....	13,481,921	71,123,755	7,392,962	26,067,624	17,218,257	6,897,689	142,182,108	77,163,752	35,180,699	5,031,254	18,038,813	4,116,083	139,532,601
Per cent.....	9.5	50.0	3.2	18.3	12.1	4.9	100.0	55.3	25.2	3.6	12.9	3.0	100.0
Median per cent.....	13.6	52.8	0.3	11.8	11.9	3.5		57.9	26.0	3.6	10.6	0.3	

\* Balance reported for last year, \$641,178.

† Includes income transferred to endowment, \$1,490,424.

‡ Includes capital funds.

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### Part III. NEGRO LAND-GRANT COLLEGES

#### DIRECTORY, 1929—Negro Land-grant Colleges

1. *Alabama*.—State Agricultural and Mechanical Institute for Negroes, Normal—J. F. Drake.
2. *Arkansas*.—The Agricultural, Mechanical and Normal School, Pine Bluff—John B. Watson.
3. *Delaware*.—State College for Colored Students, Dover—R. S. Grossley.
4. *Florida*.—Florida Agricultural and Mechanical College for Negroes, Tallahassee—J. R. E. Lee.
5. *Georgia*.—Georgia State Industrial College, Savannah—B. F. Hubert.
6. *Kentucky*.—Kentucky State Industrial College, Frankfort—
7. *Louisiana*.—Southern University and Agricultural and Mechanical College, Scotlandville—J. S. Clark.
8. *Maryland*.—Princess Anne Academy, Princess Anne—T. H. Kiah.
9. *Mississippi*.—Alcorn Agricultural and Mechanical College, Alcorn—L. J. Rowan.
10. *Missouri*.—Lincoln University, Jefferson City—William B. Jason.
11. *North Carolina*.—The Negro Agricultural and Technical College, Greensboro—F. D. Bluford.
12. *Oklahoma*.—Colored Agricultural and Normal University, Langston—Z. T. Hubert.
13. *South Carolina*.—The Colored Normal, Industrial, Agricultural and Mechanical College of South Carolina, Orangeburg—R. S. Wilkinson.
14. *Tennessee*.—Agricultural and Industrial State College, Nashville—William J. Hale.
15. *Texas*.—Prairie View State Normal and Industrial College, Prairie View—W. R. Banks.
16. *Virginia*.—Virginia Normal and Industrial Institute, Ettricks—John M. Gandy.
17. *West Virginia*.—West Virginia State College, Institute—John W. Davis.

Part III of this bulletin concerns only the 17 land-grant colleges for negroes, and a summary of the entire section is shown in Table 2. There are in addition 890 men and women negro students doing work of college grade in 34 of the northern and western land-grant colleges and universities.

#### SURVEY OF NEGRO COLLEGES AND UNIVERSITIES

In 1928 the survey of negro colleges and universities was completed and published as Bulletin 1928, No. 7, of the United States Bureau of Education. This study was made possible by the cooperation of the State departments of education in 19 States, 79 negro colleges and universities, the Association of Colleges for Negro Youth, the Phelps-Stokes Fund, and the educational boards and foundations of seven church bodies. Fifteen of the seventeen negro land-grant colleges, not including the State Agricultural and Mechanical Institute for

Negroes at Normal, Ala., and the Kentucky State Industrial College at Frankfort, Ky., are included in the survey.

TEACHER TRAINING

The training of teachers is an important phase of the work of the negro land-grant colleges. All institutions offer work in education, the number of courses varying from 1 in Arkansas to 23 in Virginia. Observation or student teaching is provided in all of the colleges, and last year 122 men and 373 women student teachers received credit for this work. Over 2,000 training-school pupils, ranging in number from 12 in Maryland to 634 in Virginia, are available for practice purposes in 15 institutions. Student teaching is done in schools which are maintained by the colleges except in Delaware and North Carolina, where the public schools are used. Georgia, Kentucky, Oklahoma, South Carolina, and Virginia utilize both the public schools and their own. With the exception of colleges in Tennessee and Texas, a total of 38 full-time and 28 part-time critic and demonstration teachers are employed in the colleges. In order to graduate, prospective teachers are required to have the minimum number of semester-hour credits in subjects in education indicated as follows: 40 in Georgia; 33 in Delaware; 30 in Maryland; 27 in Louisiana; 24 in Oklahoma; 20 in Alabama, Virginia, and West Virginia; 18 in North Carolina, South Carolina, and Tennessee; 16 in Arkansas; 15 in Missouri; 12 in Florida and Kentucky; 6 in Texas; and 2 in Mississippi.

SALARIES

Median salaries as reported by the 17 negro land-grant colleges for the year ended June 30, 1928, are summarized below:

Negro land-grant college located in—	President		Deans	Professors	Associate professors	Assistant professors	Instructors
	Cash	Perquisite					
Alabama.....	\$2,400		\$1,350	\$1,100			\$1,500
Arkansas.....	3,251	\$300	1,770	1,387	\$1,375		1,205
Delaware.....	3,000						1,500
Florida.....	4,500	300	1,920	1,450		\$1,080	1,080
Georgia.....	3,600	300	1,560	1,620	1,500		1,200
Kentucky.....	4,500	600	2,280	1,400	1,300	1,100	900
Louisiana.....	3,000	1,000	2,000	1,609		1,377	970
Maryland.....	1,200			1,500	1,200		
Mississippi.....	3,000	500		1,400		1,125	1,100
Missouri.....	4,000	1,000	2,460	2,400		1,860	1,420
North Carolina.....	3,900			1,790	1,600		1,645
Oklahoma.....	4,000		2,000	900	900	900	900
South Carolina.....	3,600	300	1,200	1,700	1,500	1,400	1,300
Tennessee.....	4,000	960	1,920	1,620			1,200
Texas.....	3,200	500	2,500	2,160	1,260	1,560	1,120
Virginia.....	3,600	600	2,500	1,800	1,450		1,250
West Virginia.....	4,500		2,500	2,500	2,100		1,900
Median.....	2,600	300	2,000	1,620	1,412	1,250	1,200

<sup>1</sup> Part salary.

## INCOME AND RECEIPTS

The total income and receipts of the 17 negro land-grant colleges in 1927-28 totaled \$3,814,722. The proportion which was received from different sources is detailed below (see Tables 19 and 21):

*Proportion of receipts received from various sources*

College located in--	Federal funds	State funds	Private gifts	Institutional sources	Earnings	Miscellaneous
	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>
Alabama.....	29.4	35.2	0	12.6	22.8	0
Arkansas.....	12.9	71.7	0	3.7	11.7	0
Delaware.....	5.3	78.1	0	.2	16.4	0
Florida.....	7.5	64.1	.07	2.1	26.3	0
Georgia.....	18.5	54.2	0	8.7	18.6	0
Kentucky.....	8.7	71.4	0	2.0	17.9	.02
Louisiana.....	11.2	41.2	22.9	10.8	13.9	0
Maryland.....	23.0	53.3	2.7	5.7	15.3	0
Mississippi.....	28.8	28.3	0	10.7	32.2	0
Missouri.....	2.2	75.7	0	4.8	17.3	0
North Carolina.....	9.8	55.4	0	13.0	21.7	0
Oklahoma.....	2.3	67.2	9.2	5.7	15.6	0
South Carolina.....	28.5	60.6	0	7.7	.4	2.8
Tennessee.....	4.7	48.4	8.8	5.0	33.1	0
Texas.....	3.0	43.8	0	18.2	34.7	.3
Virginia.....	8.8	52.9	6.0	10.5	9.6	12.2
West Virginia.....	3.2	65.6	0	9.4	22.1	0
Total.....	8.9	56.1	3.3	8.8	21.5	1.4
Median.....	8.8	55.4	0	7.7	17.9	0

## EXPENDITURES

The total expenditures of the 17 negro land-grant colleges amounted to \$3,347,990 in 1927-28. How this money was spent for salaries and wages, materials and supplies, equipment, lands, and buildings, and trust funds is revealed in the following table of percentages (see Tables 20 and 21):

How expenses were proportioned in 1927-28

College located in—	For salaries and wages	For materials, supplies, etc.	For equipment	For lands, buildings, and land improvements	Trust funds
	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>	<i>Per cent</i>
Alabama.....	40.5	57.4	2.1	0	0
Arkansas.....	49.9	47.2	2.2	.7	0
Delaware.....	23.6	19.3	0	56.8	0
Florida.....	42.7	54.7	2.6	0	0
Georgia.....	33.6	54.6	7.6	4.2	0
Kentucky.....	57.0	34.0	9.0	0	0
Louisiana.....	24.4	27.7	47.9	0	0
Maryland.....	53.3	34.9	11.8	0	0
Mississippi.....	50.0	41.7	8.3	0	0
Missouri.....	56.2	39.1	4.7	0	0
North Carolina.....	49.6	31.6	6.8	12.0	0
Oklahoma.....	32.4	28.2	.6	38.8	0
South Carolina.....	59.7	23.8	16.5	0	0
Tennessee.....	27.8	41.0	4.7	26.5	0
Texas.....	32.0	45.8	5.8	16.4	0
Virginia.....	34.2	11.6	1.9	52.2	0
West Virginia.....	53.8	32.6	4.8	8.8	0
Total.....	39.4	35.9	4.7	20.0	0
Median.....	42.7	34.9	4.7	.7	0

NEW BUILDINGS

The total cost, of new buildings and additions to buildings completed during the year ended June 30, 1928, was \$937,102.

LAND-GRANT COLLEGES AND UNIVERSITIES

Table 16.—STAFF—Members of administration and instructional staff, year ended June 30, 1928

Land-grant college located in—	General administration		Resident instruction						Extension instruction						Grand total <sup>1</sup>								
	Men	Women	Full-time college teachers	College teachers who assist in secondary instruction		Teachers of grades I-XII		Additional teachers for summer session		Total resident instructors		Agricultural and home economics extension <sup>2</sup>		Other extension and correspondence study		Total on full time		Entire staff		Number on full time			
				Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Alabama.....	4	2	1	2	3	1	3	5	1	1	6	9	1	1					7	10	10	12	12
Arkansas.....	3	0	1	2	2	3	4	10	0	1	10	12							10	12	10	12	12
Delaware.....	1	1	2	1	2	3	2	2	1	3	6	9							6	9	6	9	9
Florida.....	7	7	2	1	6	1	17	12	3	1	35	22			3	2			37	36	37	36	36
Georgia.....	3	3	4	1	3	1	8	7	2	3	15	10	6	2					15	10			
Kentucky.....	3	1	4	2	4	3	4	6	2	1	17	12	1	0	5	0	5	0	19	12	14	11	11
Louisiana.....	2	0	2	2	7	3	0	3	2	1	11	9	1	1	3	1			11	9	11	9	9
Maryland.....	4	1	3	1	4	1	10	4	2	2	10	4							10	4	10	4	4
Mississippi.....	4	1	3	0	4	2	12	2	2	2	21	6							25	6	24	6	6
Missouri.....	4	3	10	0	3	5	0	2			13	7			3	0	3	0	20	10	17	10	10
North Carolina.....	7	2	16	0	1	0	17	0	0	6	36	6	2	1					37	7	36	6	6
Oklahoma.....	4	5	10	4	7	8	2	2	6	3	25	17	8	4	1	1	9	5	32	24	24	20	20
South Carolina.....	6	3	9	4	10	7	11	7	5	5	35	23	9	7	58	57	67	64	108	90	35	23	23
Tennessee.....	9	10	5	5	4	4	3	3	6	2	18	14							21	22	6	2	2
Texas.....	8	2	23	11	20	20	0	4	2	3	45	38	24	22	9	5	24	22	86	67	86	67	67
Virginia.....	7	5	13	12			8	2	2	4	23	39							30	54	30	52	52
West Virginia.....	8	6	18	9	3	1	8	6	2	0	31	16			3	0			35	21	33	21	21
Total.....	80	51	123	54	81	60	109	98	36	36	357	253	52	38	85	66	108	91	569	403	379	288	288

<sup>1</sup> Excluding duplicates.

<sup>2</sup> Including central staff, county, home, and club agents.

Table 17.—STUDENT ENROLLMENT—Year ended June 30, 1928

Negro land-grant college located in—	College students												Total (including special students) <sup>1</sup>	Secondary grades IX-XII		Elementary grades I-VIII		Summer session, 1927 (see Table 24)		Grand total of all resident students <sup>1</sup>		Nonresident students in extension classes and correspondence study	
	First year		Second year		Third year		Fourth year		Men	Women	Boys	Girls		Men	Women	Men	Women	Men	Women	Men	Women		
	Men	Women	Men	Women	Men	Women	Men	Women	10	11	12	13		14	15	16	17	18	19	20	21		
Alabama.....	12	4	7	3					19	7	65	67	110	111	6	58	199	243					
Arkansas.....	12	10	4	8				16	20	120	146	146	31	41	15	212	167	235					
Delaware.....	1	4						3	18	54	60				5	47	60	141					
Florida.....	23	26	13	21	4	4	3	54	54	97	151	151	53	120	44	269	270	614	20	104			
Georgia.....	21	13	7	3	4	2	0	70	36	126	90	90	91	59	35	224	287	391					
Kentucky.....	33	87	14	20	3	2	0	53	110	53	59	59	28	32	25	101	150	392	12	138			
Louisiana.....	17	33	14	27	2	8	5	38	72	96	126	126	51	65	58	327	243	520	2	36			
Maryland.....	10	2	1	4				11	6	51	59	12	13				74	78					
Mississippi.....	33	22	16	4	12	8	16	76	37	257	162	162	119	81	41	201	403	481					
Missouri.....	35	56	20	37	11	11	5	77	100	75	90	90	36	50	33	115	103	339	30	89			
North Carolina.....	82	0	30	0	24	0	14	157	0	208	0	0			51	321	416	321	18	95			
Oklahoma.....	31	88	21	68	7	10	11	70	108	57	134	134	15	10	103	643	247	959	25	112			
South Carolina.....	31	57	30	48	27	4	25	113	115	182	216	216	59	58	31	325	354	389	17	0			
Tennessee.....	82	236	37	81	29	43	29	177	393	102	211	211	9	12	95	769	383	1,285					
Texas.....	90	282	38	100	40	38	31	235	503	75	217	217			51	1,060	361	1,750	44	139			
Virginia.....	50	106	30	108	23	34	4	109	275	153	337	337	328	306	41	663	627	1,585	14	190			
West Virginia.....	97	143	66	127	44	83	18	218	272	87	111	111	41	35	92	270	438	607	15	75			
Total.....	660	1,169	348	659	230	247	181	1,496	2,195	1,958	2,266	1,015	993	725	5,734	4,872	10,599	197	1,077				

<sup>1</sup> Excluding duplicates.



Table 18.—ENROLLMENT BY COURSES; GRADUATES—Year ended June 30, 1928

Negro land-grant college located in—	Secondary											Collegiate											Total †		
	Vocational				Total †		Military education		General		Normal		Agriculture		Mechanic arts		Home economics		Nursing		Men	Women	Certifi- cates	Degrees	
	Agriculture	Home eco- nomics	Nursing	Trades	Students	Graduates	Students	Graduates	Students	Graduates	Students	Graduates	Students	Graduates	Students	Graduates	Students	Graduates	Students	Graduates					
Alabama.....	2	3	4	6	7	8	0	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
Arkansas.....			41		132	29		34	12	26	9			4			4			19	7	13			
Delaware.....	144		121		266	37		5		16										16	20	12			
Florida.....			118	2	144	38	270	38	23	21	13			23	4	10	6	5	2	54	54	25	29		
Georgia.....			64		216	39		73	9	11	3	11				6				70	36	6	6		
Kentucky.....			59		112	30		111	30	32	9			18	3	6				53	110	42			
Louisiana.....			87		222	52		68	9	29	14	62				13				38	72	14	9		
Maryland.....					110	24	74	17	5											11	6	5	0		
Mississippi.....			93		419	71		58	15	15		40	3			8				76	37		18		
Missouri.....					165	44	600	117	15	69	33									77	109	33	15		
North Carolina.....					208	327		42				47								157	0				
Oklahoma.....			125		191	26		46	12	130	3	19	1	16		27	6			70	108	8	13		
South Carolina.....			216		398	64		87	14	36	16	37	12	26	6	42	5			113	115	44	26		
Tennessee.....			110		313	36		261	29	195	21	24	1	27	1	63	11			177	393	21	42		
Texas.....			87		272	354		415	197			71	12	25	8	396	17	2		235	503	138	99		
Virginia.....					490			196	17	130	32	18	1	13	1	27	11			109	275	42	20		
West Virginia.....					198	47		353	2	76	10	9		5		45	5			218	272	10	26		
Total.....	1,086	424	1,121	2,131	4,124	742	1,625	1,921	349	786	163	338	30	225	23	457	61	4		1,496	2,195	413	303		

† Excluding duplicates.

† Includes certificates and degrees.

Table 19.—RECEIPTS—For all purposes, year ended June 30, 1928

* Negro land-grant college located in—	Federal funds		State funds from mill-tax levy and appropriations for—				Institutional funds from—				Other sources	Total income
	Land-grant and Morrill-Nelson	Smith-Hughes (vocational teacher training)	Operation and maintenance	Permanent improvements, lands, buildings, etc.	Private gifts	Tuition	Board and lodging	Departmental earnings	Miscellaneous			
	2	3	4	5	6	7	8	9	10	11	12	
Alabama.....	\$18,860	\$2,360	\$22,500	\$2,860		\$2,807	\$13,206	\$3,267			\$72,123	
Arkansas.....	13,636	200	76,706			3,926	12,522		\$6,203		106,940	
Delaware.....	10,000		22,700	125,000		237	18,911	12,257			189,105	
Florida.....	24,000	1,822	50,000	178,846	\$250	2,709	85,197	2,861	10,550		357,225	
Georgia.....	16,666	3,000	57,666			3,096	15,408	4,400	6,174		106,410	
Kentucky.....	7,250	1,256	60,000	10,000		1,690	17,581			\$210	97,987	
Louisiana.....	20,170	2,961	2,961	82,002	47,187	1,160	25,212	3,607	21,114		206,374	
Maryland.....	10,000		23,120		1,178	2,498	4,724	1,846			43,365	
Mississippi.....	28,085	12,591	40,000			12,599	42,157	3,219	2,487		141,138	
Missouri.....	3,125	870	136,666	870		6,715	30,414	970	2,110		181,740	
North Carolina.....	16,500	2,752	73,785	34,302		21,145	34,369	7,905	4,317		196,075	
Oklahoma.....	5,000	1,300	93,000	87,800	25,000	9,031	41,638	805	6,475		272,049	
South Carolina.....	25,000	32,553	112,836	9,500		15,604		766		5,750	262,009	
Tennessee.....	12,000	3,963	105,000	60,000	30,000	14,809	86,784	26,168	2,250		340,974	
Texas.....	12,640	6,015	184,352	86,817		36,793	155,533	59,873	76,215	1,702	619,940	
Virginia.....	26,996	6,617	101,653	93,625	22,500	22,381	35,464		16,259	45,000	369,495	
West Virginia.....	10,000	6,201	162,500	42,500		16,188	69,120		12,214		312,723	
Total.....	260,928	77,461	1,327,445	814,122	126,115	173,388	688,240	127,933	166,428	52,662	3,814,722	

\* Less refunds; includes all instruction and laboratory fees; excludes athletic, social, and health fees. † Including \$20,749 from Smith-Lever funds.

Table 20.—EXPENDITURES, Part I—Salaries and wages (operation and maintenance) year ended June 30, 1928

Negro land-grant college located in—	EXPENDITURES									
	1	2	3	4	5	6	7	8	9	10
	Admission and general	Resident instruction	General library	Extension	Physical plant, operation and maintenance	Supplementary operations, not including columns 8 and 9	Dormitories and dining halls	Athletics	Total for salaries and wages	
Alabama.....	9,053	16,396			1,200	\$100	\$2,223		\$29,272	
Arkansas.....	4,641	27,894	\$1,312		2,594	1,550	2,000		40,000	
Delaware.....	4,140	28,179							32,319	
Florida.....	104,845		2,150						113,479	
Georgia.....	3,930	27,807			1,020	5,464	1,172		35,299	
Kentucky.....	9,950	32,960	936		7,180		4,815		55,841	
Louisiana.....	6,000	46,752	594						53,346	
Maryland.....	4,942	17,140							23,002	
Mississippi.....						920			60,072	
Missouri.....	21,910	59,948	2,320		8,104		8,470		100,742	
North Carolina.....	15,043	55,931	1,500						94,590	
Oklahoma.....	10,900	61,087	1,100		5,826	8,420	8,370	\$1,500	83,537	
South Carolina.....	11,865	71,614	1,240	\$1,500	3,870	2,680	2,410		103,412	
Tennessee.....	8,500	50,135			15,943	1,000	780	970	70,635	
Texas.....	27,384	116,638	1,536		2,000		10,000		192,522	
Virginia.....	15,248	72,953	2,387		19,198	5,731	21,430	605		
West Virginia.....	21,850	87,604	1,200		15,202	3,551	4,450	4,598	113,939	
Total.....	260,201	773,038	16,275	1,500	84,112	30,130	66,110	7,673	1,319,111	

Estimated; detailed information not available; see total in Part IV.

Table 20. EXPENDITURES, Part II Materials, supplies, and other expenses of operation and maintenance, year ended June 30, 1928

Negro land-grant college located in—	1928										Total for materials, supplies, etc.
	11	12	13	14	15	16	17	18	19		
	Administration and General	Resident instruction	General library	Extension	Physical plant, operation and maintenance	Supplementary operations, not including columns 17 and 18	Formitories and dining halls	Athletics			
Alabama.....	\$4,251	\$772	\$197		\$27,270	\$980	\$6,998	\$1,379		\$41,517	
Arkansas.....	4,411	5,920	390		9,474	5,193	11,909	496		37,903	
Delaware.....	1,158				25,316					26,474	
Florida.....	117,773		750		10,250	15,153		1,300		145,226	
Georgia.....	4,509		308		27,888	12,095	9,853	2,432		57,345	
Kentucky.....	1,208	2,180	1,403		11,875		16,914			33,577	
Louisiana.....	2,484		\$1,579		21,372	5,556	26,595			60,586	
Maryland.....	863				8,018	6,209				15,000	
Mississippi.....										50,000	
Missouri.....	2,936	5,379	1,550		38,383		21,894			70,142	
North Carolina.....	7,442	2,750	356		23,447	4,804	17,623	5,233		61,655	
Oklahoma.....	2,265	1,585	995		31,403	3,440	30,265	2,810		72,763	
South Carolina.....	12,079	7,609	1,217		15,316	808	1,338	2,682		41,047	
Tennessee.....		22,881			13,769	2,592	65,074			104,316	
Texas.....	9,657	38,426	261		68,743	53,881	101,065	3,842		273,895	
Virginia.....	3,094	9,315	598	2,400	17,001	959		5,230		38,617	
West Virginia.....			5,000	477			60,670	3,500		69,647	
Total.....	174,130	96,617	13,362	4,456	352,525	111,388	370,218	28,904		1,301,800	

1 Estimated; detailed information not available; see total in Part IV.



Table 20.—EXPENDITURES, Part III—Capital outlay, year ended June 30, 1928

Negro land grant colleges located in—	Equipment (capital outlay)										Lands, buildings, and land improvements (capital outlay)
	20	21	22	23	24	25	26	27	28		
Alabama.....	\$800			\$738	\$1,782			\$1,538	\$581		
Arkansas.....								1,782	77,570		
Delaware.....	6,188							6,868			
Florida.....	465			4,940	300			8,032	4,387		
Georgia.....											
Kentucky.....	781	\$1,940	\$395	4,270				8,468			
Louisiana.....											
Maryland.....	1,583		155	1,120				10,000	104,513		
Mississippi.....											
Missouri.....		7,407					995	8,402			
North Carolina.....	507	10,145	938	275	21			13,253	23,577		
Oklahoma.....	1,128	1,128		423	126			1,677	100,000		
South Carolina.....	373	16,760		6,200				28,334			
Tennessee.....	7,077							1,846			
Texas.....	2,169	13,791	1,370	5,012	7,940			12,077	67,358		
Virginia.....	10	4,049	1,816		31			34,695	96,960		
West Virginia.....								502	173,668		
Total.....	19,933	55,220	4,674	22,978	10,200	24,228	9,918	157,151	669,428		

Estimated; detailed information not available; see total in Part IV.

Table 20.—EXPENDITURES, Part IV—Grand totals, year ended June 30, 1928

Negro land-grant colleges located in—	1	29	30	31	32	33	34	35	36	37	38	39
		Adminis- tration and general	Resident instruc- tion	General library	Exten- sion	Physical plant, operation and main- tenance	Supple- mentary opera- tions, not including columns 35 and 36	Dormi- tories and dining halls	Athletics	Physical plant ex- tensions (Glands, buildings, and land improve- ments)	Trust funds	Grand total of all expendi- tures (Parts I, II, and III, and this table)
Alabama.....		\$14,104	\$17,168	\$167		\$29,208	\$1,080	\$9,221	\$1,379			\$72,327
Arkansas.....		9,052	33,814	1,812		12,098	8,534	13,909	496	\$581		80,266
Delaware.....		5,298	28,179			25,316			2,000	77,570	\$500	136,893
Florida.....		228,806		2,900		11,270	20,617					285,593
Georgia.....		8,904	27,507	568		34,813	14,600	14,139	2,432	1,800		106,063
Kentucky.....		11,939	37,080	2,731		23,325		22,911				97,986
Louisiana.....		8,484	46,752	594	\$1,579	24,372	5,556	26,595		104,513		216,445
Maryland.....		7,368	17,140	155		8,138	7,129	2,253				43,183
Mississippi.....		20,864	43,442			8,098	1,974	43,207	2,487			120,072
Missouri.....		24,846	72,734	3,870		46,487		31,349				179,286
North Carolina.....		22,992	68,826	2,794		29,548	13,245	27,360	6,733	23,577		195,075
Oklahoma.....		13,165	63,800	2,065	1,500	55,686	6,246	32,675	2,810	100,000		257,977
South Carolina.....		24,317	95,983	2,457		37,459	1,806	5,473	5,498			172,993
Tennessee.....		15,577	73,016			15,769	2,592	80,074		67,358		254,388
Texas.....		39,210	168,855	3,167		92,953	67,552	126,264	5,111	98,960		602,072
Virginia.....		18,352	86,317	4,801	2,400	32,203	4,561		10,330	173,668		332,632
West Virginia.....		21,850	87,604	6,200	477			69,120	9,706	18,814		213,771
Total.....		495,128	968,517	34,311	5,950	467,713	155,492	504,550	48,982	666,841	500	3,347,990

## LAND-GRANT COLLEGES AND UNIVERSITIES

Table 21.—RECAPITULATION OF RECEIPTS AND EXPENDITURES—Year ended June 30, 1928

Negro land-grant college located in—	Total receipts						Total expenditures						Grand total expenditures		
	Federal funds		State funds		Private gifts		Institutional funds		Earnings		Miscellaneous receipts			Grand total receipts	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14
Alabama.....	\$21,220	\$25,360	\$9,070	\$16,158	\$72,148	\$29,272	\$41,517	\$1,598	\$29,272	\$41,517	\$1,598	\$29,272	\$41,517	\$72,327	
Arkansas.....	13,836	76,706	8,926	12,508	107,990	40,000	37,903	1,782	40,000	37,903	1,782	40,000	37,903	80,266	
Delaware.....	19,000	147,700	237	31,108	189,105	34,319	26,474	581	34,319	26,474	581	34,319	26,474	136,863	
Florida.....	26,822	228,846	7,409	93,898	357,225	113,479	145,226	6,888	113,479	145,226	6,888	113,479	145,226	265,593	
Georgia.....	19,666	57,666	9,270	19,808	106,410	35,299	57,345	8,032	35,299	57,345	8,032	35,299	57,345	106,063	
Kentucky.....	8,506	70,000	1,690	17,581	97,987	55,841	33,577	8,668	55,841	33,577	8,668	55,841	33,577	97,986	
Louisiana.....	23,131	84,963	22,274	28,819	206,374	53,346	60,586	104,513	53,346	60,586	104,513	53,346	60,586	218,445	
Maryland.....	10,000	23,120	2,498	6,569	43,365	23,002	15,090	5,091	23,002	15,090	5,091	23,002	15,090	43,183	
Mississippi.....	40,676	40,000	15,965	45,376	141,138	100,072	150,000	10,000	100,072	150,000	10,000	100,072	150,000	120,072	
Missouri.....	3,995	137,536	8,925	31,384	161,740	100,742	70,142	8,402	100,742	70,142	8,402	100,742	70,142	179,286	
North Carolina.....	19,242	108,087	25,462	42,274	195,075	96,590	61,655	13,253	96,590	61,655	13,253	96,590	61,655	195,075	
Oklahoma.....	6,300	182,800	13,506	42,443	272,049	83,537	72,763	1,677	83,537	72,763	1,677	83,537	72,763	257,977	
South Carolina.....	57,553	122,336	15,604	766	202,009	103,412	41,047	28,534	103,412	41,047	28,534	103,412	41,047	172,963	
Tennessee.....	15,963	165,000	17,059	112,952	340,974	70,635	104,316	12,077	70,635	104,316	12,077	70,635	104,316	254,386	
Texas.....	18,655	271,169	113,008	215,406	619,940	192,522	273,895	34,695	192,522	273,895	34,695	192,522	273,895	602,072	
Virginia.....	32,613	195,278	38,640	35,464	369,495	113,939	38,617	6,408	113,939	38,617	6,408	113,939	38,617	332,632	
West Virginia.....	10,201	205,000	28,402	69,120	312,723	115,104	69,647	10,205	115,104	69,647	10,205	115,104	69,647	213,771	
Total.....	338,389	2,141,567	333,969	822,023	3,814,722	1,319,111	1,201,800	157,151	1,319,111	1,201,800	157,151	1,319,111	1,201,800	3,347,990	
Per cent.....	8.9	56.1	8.8	21.5	100.0	39.4	35.9	4.7	39.4	35.9	4.7	39.4	35.9	100.0	
Median per cent.....	8.8	56.4	7.7	17.9	0	42.7	34.9	4.7	42.7	34.9	4.7	42.7	34.9	0	

1 Estimated.

Table 22. PROPERTY - Year ended June 30, 1928

Negro land-grant college located in—	Acres of land			Round volumes in Libraries	Library books	Apparatus, machinery, and furniture	Live stock	Campus and grounds	Buildings, excluding dormitories	Value of property				Total
	2	3	4							5	6	7	8	
Alabama	187	90	5,200	\$30,200	\$31,000	\$1,500	\$183,000	\$97,500	\$80,000					\$423,200
Arkansas	182	132	1,500	4,500 <sup>1</sup>	45,000	2,400	55,000	75,000	25,000					206,900
Delaware	200	180			13,120	2,700	31,000	91,295				\$11,102		149,307
Florida	225	125	3,300	6,600	70,840	35,000	255,000	507,500	300,000			135,000		979,940
Georgia	146	70	1,500	1,500	1,500	1,800	151,000	140,500	135,000					432,300
Kentucky	300	180	1,900	1,400	3,400	3,800	45,625	141,900	185,000	\$70,922				152,107
Louisiana	500	200	2,000	2,000	20,536	5,500	300,000	367,000	100,000					793,036
Maryland	117	85	1,000	1,000	23,000	4,000	11,000	55,000	60,000					135,000
Mississippi	960	375	2,500	1,000	56,443	4,315	9,000	142,930	122,000	209,871				545,569
Missouri	98	88	9,800	9,200	10,000	1,000	80,000	462,500	213,000					776,300
North Carolina	281	256	5,630	8,853	272,170	3,652	177,961	384,275	143,000			13,804		1,003,715
Oklahoma	320	200	3,158	3,000	70,000	4,500	9,000	162,800	154,000					165,900
South Carolina	140	85	5,000	3,500	169,650	5,000	76,000	771,963	240,000	95,000				1,302,953
Tennessee	231	140	4,000	7,000	60,000	4,500	101,250	425,000	315,000					917,750
Texas	1,435	300	8,000	6,027	231,454	9,671	60,122	359,897	282,143			188,606		1,138,220
Virginia	297	195	10,050	12,741	139,479	6,362	100,625	669,187		172,156				1,144,148
West Virginia	49	34	10,180	10,770	160,000	2,070	49,000	443,775	337,982			30,000		1,033,597
Total	5,638	2,745	74,318	112,391	1,378,592	98,520	1,474,183	5,294,962	2,593,325	548,849	416,110			11,916,932

<sup>1</sup> Includes \$50,000 from State funds.

<sup>2</sup> Figures taken from report for 1927.





Table 23.—MORRILL-NELSON FUNDS—Receipts and disbursements of funds received under acts of Congress approved August 30, 1890, and March 4, 1907, year ended June 30, 1928

Negro land-grant college located in—	Receipts, year ended June 30, 1928			Disbursements for instruction in—										Balance unexpended July 1, 1928
	Balance on hand July 1, 1927	Appropriation	Total available	Agriculture	Engineering and mechanic arts	English language	Mathematical science	Natural and physical sciences	Economic sciences	Teacher training in agriculture and mechanical arts	Total			
	1	2	3	4	5	6	7	8	9	10	11	12	13	
Alabama.....	\$1,938.60	\$18,860.00	\$20,798.60	\$2,018.24	\$4,578.62	\$2,733.34	\$1,134.57	\$2,784.83	\$7,565.00	\$1,036.36	\$30,798.60			
Arkansas.....	13,636.36	10,000.00	23,636.36	1,840.00	3,722.50	1,900.00	1,000.00	1,917.50	3,200.00		13,636.36			
Delaware.....	2.27	10,000.00	10,002.27	1,924.00	2,577.06	2,053.00	2,335.00	2,300.00	4,065.00		10,001.00		\$0.74	
Florida.....		25,000.00	25,000.00		10,771.06	2,053.00	2,335.00	4,065.00	5,773.94		25,000.00			
Georgia.....	55.80	16,666.66	16,722.46	3,723.00	4,453.00	1,695.00	1,240.00	1,485.00	3,930.00	1,100.00	16,648.00		74.46	
Kentucky.....		7,250.00	7,250.00	1,220.00	1,680.00	2,150.00	1,500.00	700.00			7,250.00			
Louisiana.....		20,170.50	20,170.50	2,970.00	3,400.00	3,360.00	2,840.00	3,600.00	3,000.00		20,170.00			
Maryland.....		10,000.00	10,000.00	1,706.69	3,430.40	2,080.00	1,083.31	840.00	750.00		10,000.00			
Mississippi.....		28,085.00	28,085.00	5,538.45	4,893.00	5,790.70	2,300.00	3,408.85	6,154.00		28,085.00			
Missouri.....	1.04	3,125.00	3,126.04	1,211.73	601.94		2,300.00	966.55	13.06		2,793.28		332.76	
North Carolina.....		16,500.00	16,500.00	6,300.00	7,400.00	1,400.00	1,400.00				16,500.00			
Oklahoma.....	24.01	5,000.00	5,024.01	799.98	1,515.21	558.88	616.65	795.65	716.61		5,024.01			
South Carolina.....	612.94	25,000.00	25,612.94	4,658.35	9,234.15	1,975.00	2,133.37	2,316.65	903.76	3,688.72	25,000.00		612.94	
Tennessee.....	379.90	12,000.00	12,379.90		3,600.00	2,430.00		3,470.00	2,475.00		12,379.90		4.90	
Texas.....		12,638.30	12,638.30	132.25	2,973.57	2,435.00	1,450.67	3,684.83	1,955.98		12,638.30			
Virginia.....		16,666.66	16,666.66		5,400.00	3,800.00	2,000.00	4,065.65	1,400.00		16,666.66			
West Virginia.....	1.42	10,000.00	10,001.42	415.99	4,368.52			41.50	5,173.33		9,669.34		2.08	
<b>Total.....</b>	<b>3,015.98</b>	<b>270,598.48</b>	<b>273,614.46</b>	<b>33,568.68</b>	<b>74,970.87</b>	<b>35,892.92</b>	<b>22,433.57</b>	<b>36,793.72</b>	<b>47,100.71</b>	<b>5,825.08</b>	<b>257,585.55</b>		<b>1,027.88</b>	

Interest \$138.30



Table 24.—SUMMER SCHOOLS—Staff and enrollments session of 1927

Negro land-grant college located in—	Number of weeks in summer session 1927	Instructional staff		Student enrollment									
				Elementary		Secondary		College		Total			
		Men	Women	Boys	Girls	Men	Women	Men	Women	Men	Women		
1	2	3	4	5	6	7	8	9	10	11	12		
Alabama.....	5	5	3	0	7	5	51					5	58
Arkansas.....	6	3	11	3	11	7	74	5	127	15		15	212
Delaware.....	5	2	6					5	47	6		6	47
Florida.....	8	17	14			32	293	12	6	44		44	299
Georgia.....	6	5	6	0	8	8	98	27	118	35		35	224
Kentucky.....	6	8	5			15	91	10	100	25		25	191
Louisiana.....	10	15	6			4	61	54	265	58		58	327
Maryland <sup>1</sup> .....													
Mississippi.....	6	11	4			38	180	5	21	41		41	201
Missouri.....	8	10	2			13	31	20	84	83		83	115
North Carolina.....	6	19	6					51	321	51		51	321
Oklahoma.....	9	24	14			8	30	95	613	103		103	643
South Carolina.....	5	20	14	3	158	5	78	23	89	31		31	325
Tennessee.....	12	18	14			32	237	63	532	95		95	769
Texas.....	10	44	37			9	386	51	704	51		51	1,060
Virginia.....	10	13	16	8	277	14	173	19	213	41		41	663
West Virginia.....	9	19	10	40	30	1	3	51	246	92		92	279
Total.....		233	168	54	491	189	1,736	491	3,547	725		725	5,734

<sup>1</sup> No summer school.

Table 25.—FEDERAL LAND-GRANT FUNDS—Receipts and disbursements from the 1862 land-grant fund, and income from other Federal land-grants, year ended June 30, 1928

Negro land-grant college located in—	Land-grant fund of 1862 for year ended June 30, 1928						Income from other Federal land-grant funds	
	Receipts		Disbursements			Balance unexpended July 1, 1928		
	Balance unexpended July 1, 1927	Income for year ended June 30, 1928	Total	For salaries	For facilities			Total
1	2	3	4	5	6	7	8	9
Georgia.....		(188,000.00)						
Kentucky.....	0	1,255.50	\$1,255.50	\$1,255.50		\$1,255.50		
Mississippi.....	0	6,814.50	6,814.50			6,814.50		
South Carolina.....	\$94.90	5,754.00	5,848.90	1,800.00		4,012.62		\$5,777.77
Virginia.....	0	10,329.36	10,329.36	10,329.36		10,329.36	\$36.28	
Total.....	94.90	24,153.36	24,248.26	13,384.86		10,827.42	24,211.98	36.28
								5,777.77

<sup>1</sup> Not included in total; \$8,000 is annually appropriated by the State in lieu of any claim on the 1862 land-grant income.

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