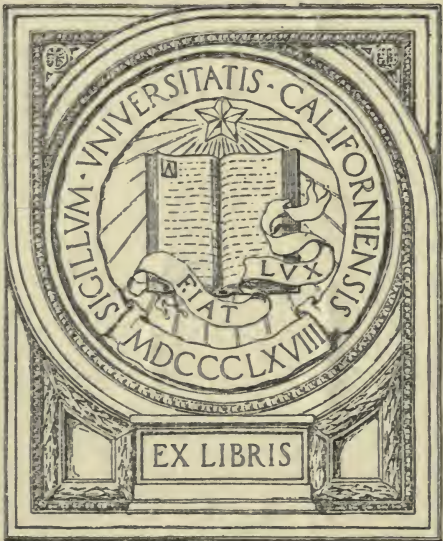




GIFT OF



EX LIBRIS

Archives

208d f  
P1  
v. 2

## Contents

Contents (Continued)

- 1 Memorial showing the wants of the University. Nov 1875.
- 2 Same. 1875-1876.
- 3 Same. 1877-78.
- 3a Report of the Regents to the Constitutional conven 1878.
- 4 Report of Commission to examine into and report on condition of certain funds, etc. in relation to State university, 1879.
- 5 Memorial of the Regents on the wants of the Unive Dec.31, 1880.
- 6 Same. Feb. 3, 1880.
- 7 Memorial to Congress (regarding investment of mone derived from sale of lands donated by Congress) 28, 1882.
- 8 Report of Law committee of the Regents on the act Congress of July 2, 1862. 1883.
- 9 University of California needs Jan.1, 1885.
- 10 Senate bill No. 49. Jan 12, 1887. An act to provid for the permanent support of the University.
- 11 Reasons for supporting bill to provide for the per manent support of the University. Jan. 1887.
- 12 Communication regarding funds for Experiment stati Dec. 6, 1887.
- 13 Report of the special committee on the Morrill col aid act. Mar. 1891.
- 14 Appeal to the Alumni of the University by a Commit on legislation appointed by the Regents to arouse interest in securing funds for the University. S 25, 1894.
- 15- Legislative bills, Jan. 1887, for appropriation of  
17 \$250,000 for buildings.
- 18 Report of Committee on ways and means. May 20, 189
- 19 Report on establishment of fee for incidentals. 18



Digitized by the Internet Archive  
in 2007 with funding from  
Microsoft Corporation

---

---

REPORT

OF THE

Board of Regents, State University,

TO THE

CONSTITUTIONAL CONVENTION.

1878

---

NEW YORK

Board of Regents of the University of the State of New York

OFFICE OF THE COMMISSIONER OF EDUCATION

---

UNIVERSITY OF CALIFORNIA,  
BERKELEY, November 23d, 1878. }

*To the Honorable President and Members of the Constitutional Convention:*

GENTLEMEN: In response to your resolution of date October thirty-first, eighteen hundred and seventy-eight, the following statements are herewith respectfully submitted, arranged in the following order:

*First*—Statement of cash receipts from all sources, from August eighth, eighteen hundred and sixty-eight, to June thirtieth, eighteen hundred and seventy-eight, both inclusive.

*Second*—Statement of cash disbursements and investments for the same period.

*Third*—Appendix "A" and "B," giving the proper segregations of cash receipts and disbursements.

*Fourth*—Statements of accounts with savings banks, and certain donations.

## UNIVERSITY OF CALIFORNIA.

## Statement of Cash Receipts from August 8th, 1868, to June 30th, 1878, both inclusive. (a.)

LEDGER TITLES.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	Totals.
Land Fund (grant of 150,000 acres).....		\$4,000 65	\$6,911 25	\$22,599 40	\$53,046 68	\$43,993 89	\$45,708 40	\$46,968 62	\$42,521 19	\$85,882 98	\$356,273 06
Forfeited Seminary Land Fund.....								320 00	160 00		480 00
Seminary Land Fund.....										505 99	505 99
Land Fund Interest.....		682 85	2,577 63	5,478 55	11,555 51	15,113 92	35,983 11	40,882 22	41,881 81	28,621 22	182,776 82
Land Fund Fees.....	16 00	88 00	210 00	422 00	808 00	1,408 00	2,843 50	1,762 00	1,945 00	650 00	9,252 50
Seminary and Public Building Land—Int. United States Endowment interest (on bids)	936 00	27,831 00	17,450 00								46,217 00
Forfeited Seminary Land Interest.....								6,038 67	14,314 60	15,235 86	35,609 03
Seminary Land Fees.....								121 94	232 88	192 00	546 82
Seminary Land Fund Investment Interest.....								8 00	8 00		16 00
Seminary Land Fund Interest.....										1,111 50	1,111 50
Interest and discount.....										698 48	698 48
Interest on bank balances.....			267 50		5 25						272 75
Interest on Brayton property notes.....		5,151 20	1,948 67	1,654 25	1,085 21	2,846 51	6,336 25	1,559 62			20,581 71
Interest from State Endowment (tide land)							3,339 60	9,068 93	6,821 55	5,907 43	25,137 51
Interest from Special Investment Fund.....						16,380 80	42,956 69	50,290 80	50,040 00	50,040 00	209,708 29
Interest on Brayton Real Estate Fund.....									52 00	900 00	1,952 00
State appropriations.....	*44,064 00	†100,000 00	†100,000 00		‡74,265 60	‡31,767 39	‡46,363 62	‡42,400 00		309 00	309 00
Admission and tuition fees.....		1,700 00	20 00	370 00	379 50	585 00	277 50	496 00	75 00		438,890 61
Water-rates.....								100 00			1,895 00
Preparatory department.....								496 00	993 85	51 50	3,153 35
Excess payments.....			500 00								500 00
Land administration.....				320 00	2,066 07	13,490 33	27,036 75	10,731 41	4,805 60	3,529 68	61,979 84
Brayton property.....							9,206 52	3,296 23		38 33	14,569 56
College of California.....									4,013 75	13,981 25	17,995 00
State Geological Survey.....								82,255 00	980 00		83,235 00
Cottage rents.....								3,434 15	983 70		4,417 85
Building Fund—Audited demands.....						‡290,930 65	814 43	1,820 74	826 47	1,078 69	4,540 33
Totals.....	\$48,456 00	\$140,053 70	\$120,885 05	\$30,844 20	\$143,811 82	\$425,516 40	\$220,986 37	\$301,574 33	\$171,723 78	\$208,823 91	\$1,821,675 65

\* Act of March 25th, 1868.

† Title Land Appropriation Act of March 30th, 1868.

‡ Appropriation to meet monthly deficiencies, March 26th, 1872.

§ Act of March 30th, 1874.

|| Act of April, 1872, appropriation of \$500,000.

(a.) See Appendix "A."



Statement of cash disbursements and investments from August 11th, 1868, to June 30th, 1878, both inclusive. (b.)

LENDER TITLES.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	Totals.
Salaries, educational.....	\$2,400 00	\$27,937 50	\$38,061 67	\$40,346 66	\$46,647 65	\$53,810 80	\$56,176 36	\$69,477 99	\$71,011 59	\$72,359 92	\$478,250 14
Salaries*.....	2,617 15	7,130 17	7,465 80	7,980 00	7,141 66	8,135 46	11,685 00	16,749 30	13,405 00	13,920 00	95,329 54
Land administration.....	75 00	506 25	120 00	62 50	200 00	1,652 50	526 03	181 90	638 40	764 11	4,726 69
University site improvements.....	7,639 12	6,721 97	784 46	2,165 71	2,452 40	1,646 14	1,230 83	3,671 48	3,123 53	3,237 16	32,672 80
Office furniture and expenses.....	749 80	220 00	145 90	168 12	214 65	56 00	37 07	156 45	61 22	11 85	1,821 06
Rent.....	614 50	925 00	1,545 00	1,580 00	932 80	940 00	690 00	640 00	720 00	610 00	9,107 00
Building fund.....	215 00	10,487 52	46,024 66	738 54	932 80	209,930 65					357,296 37
Incidental expenses.....		132 00	1,045 59	355 00	135 50	585 00	872 65	605 00	106 00	94 63	3,991 37
University Water Company.....		1,103 01	963 40	1,913 88	300 00		78 00		1,218 19	391 72	5,967 50
College of California.....		72,015 39	7,241 75	1,225 40					404 15		80,682 54
Apparatus.....		17,908 21	953 95	112 75	2,369 73	2,175 55	1,160 42	5,896 75	200 00	*	22,235 83
Library fund.....		75 00	1,274 40	3,295 36	30 25	30 20	560 47	309 06	29 83	1,352 43	18,399 89
Telegraphing and expressing.....	116 11	75 48	27 15	3 65	1,000 00	3 70	2,336 51	457 29	38 25	107 41	1,289 61
Official and lecturing expenses.....			502 00	350 50	1,000 00	685 66	1,094 45	568 35	318 45	115 75	4,804 00
College celebrations.....			609 50	454 65	913 54	685 66	1,094 45	568 35	318 45	115 75	5,013 54
Fuel, lights, and water.....			160 75	503 91	331 20	1,484 83	1,303 26	1,495 41	735 82	885 40	6,900 58
Postage and revenue stamps.....			47 65	43 50	143 35	77 10	124 26	200 75	120 77	225 75	983 13
Stationery.....	36 00	150 10	29 91	126 22	112 00	480 02	610 70	125 30	123 25	103 35	1,896 85
Brayton property.....			21,122 25		8,336 25	1,729 15	57,699 63		2,195 64	1,533 36	88,787 28
Equipment and repairs.....		2,003 66	7,444 83	2,790 70	1,217 69	1,108 02	4,328 21	8,639 71	96 83	1,933 74	31,327 82
Laboratory.....			5 17	262 49	34 10	332 68	1,278 00	3,156 54	542 99	1,036 99	7,219 55
Advertising and printing.....	550 81	681 50	680 32	938 35	729 75	338 95	1,226 29	1,460 67	542 99	1,036 99	8,146 62
Free scholarships.....			1,500 00	1,500 00	1,000 00	1,499 99					5,499 99
Preparatory Department.....			1,500 00	1,500 00	955 39						5,455 39
Insurance.....			985 68	567 50	51 25	402 50	3,564 65	2,287 23	1,341 90	1,521 05	10,720 51
Museum.....				148 60	38 00	345 60	973 20	981 00	58 15	28 90	2,398 19
Tompkins Endowment.....						216 22	920 00	30 91	36 00		148 60
Toiland Medical College.....							2,338 50	188 65	86 80		322 33
University printing office.....						646 50	12,633 64	2,657 46	1,961 15	1,545 19	2,614 04
Agricultural Department.....							25,121 28	137 22	1,646 50		18,843 94
Students' cottages.....								3,246 86	162 21		26,905 00
State Geological Survey.....								1,000 00		160 16	3,559 23
Contingent fund.....							272 53			1,625 00	1,625 00
Labor Contingent Fund.....								3 00			1,000 00
Mechanical Department.....										761 97	275 53
Military Department.....											
Interest and discount.....			104 00		510 83	30 65	2,296 36	95 90			761 97
Brayton Real Estate Fund.....	157 50										3,195 24
Excess payments.....						790 87	5,320 57	783 93	711 73	20,140 00	20,140 00
Mechanical Arts College.....										7,825 49	15,432 59
United States Endowment.....											69 35
Seminary Land Fund investment.....							139,640 00	77,089 50	38,435 00	85,820 00	340,994 50
Bills receivable, account of Land Fund.....									19,380 00		19,380 00
Totals.....	\$15,170 99	\$148,092 76	\$137,660 11	\$68,598 87	\$76,508 99	\$379,617 47	\$335,411 54	\$503,918 56	\$150,720 09	\$231,456 83	\$1,756,216 21

\* Secretaries, Curators, Land Agents, Janitors, etc. (b.) See Appendix "B."

## APPENDIX "A."

## SEGREGATION OF CASH RECEIPTS.

## ENDOWMENTS—(FROM CONGRESSIONAL GRANTS.)

Land Fund—From sales of land, grant 150,000 acres-----	\$356,273 03	
Seminary Land Fund—From sales under grant of seventy-two sections-----	19,505 99	
Forfeited Seminary Land Fund—From sales of forfeited lands re-sold by the Regents of the University-----	480 00	
	<hr/>	
Total cash receipts from Congressional endowments-----		\$376,259 02

## INCOME—(FROM CONGRESSIONAL ENDOWMENTS.)

Land Fund Interest—From interest received on deferred pay-ments of principal, grant of 150,000 acres-----	\$182,776 82	
Land Fund Fees—From fees on applications, certificates of de-posit, and patents-----	9,252 50	
Interest on excess payments-----	3,372 46	
Seminary Land Fund Interest—(On bonds)-----	1,111 50	
Seminary Land Fund Interest—On deferred payments, Control-ler's warrants-----	698 48	
Forfeited Seminary Land Interest-----	546 82	
Forfeited Seminary Land Fund Fees-----	16 00	
Special Investment Fund Interest—From investment of excess payments in bonds-----	1,042 00	
Interest on Certificates of Deposit—From interest on preliminary deposits of one dollar per acre, made by applicants for lands under the grant of 150,000 acres. Said deposits held by the Land Department of the University, awaiting action by the United States Land Offices-----	14,599 56	
United States Endowment Interest—From interest on bonds pur-chased from proceeds of sales of land belonging to the grant of 150,000 acres-----	35,609 03	
Seminary and Public Building Land Fund Interest—From inter-est on deferred payments of principal, Controller's warrants---	27,217 00	
	<hr/>	
		276,242 17
Total cash receipts from Congressional endowments and income therefröm---		\$652,501 17

## TRUST FUNDS.

Excess Payments—From collections of \$1 25 per acre on double minimum lands-----	\$61,974 84	
State Geological Survey, collections on account of-----	4,417 85	
	<hr/>	
Total cash receipts from Trust Fund-----		66,392 69
College of California—From amounts received from sales of real estate, etc-----	\$83,235 00	
Building Fund—From amounts received for construction of buildings-----	357,596 37	
	<hr/>	
		440,631 37
Amounts of income received from the State to pay current expenses-----		662,150 42
	<hr/>	
Total cash receipts from all sources-----		\$1,821,675 65

## APPENDIX "B."

## SEGREGATION OF CASH DISBURSEMENTS AND INVESTMENTS.

## INVESTMENTS.

United States Endowment Fund—Investment of proceeds from sales of the agricultural grant of 150,000 acres, in bonds of the par value of \$348,000, at a cost of-----	\$346,934	50	
Seminary Land Investment Fund—Investment of proceeds from sales of the seminary grant of seventy-two sections, in bonds of the par value of \$19,000, at a cost of-----	19,380	00	
Brayton Real Estate Fund—Investment from proceeds of the sale of Oakland property (so-called Brayton property), in bonds of the par value of \$19,500, at a cost of-----	20,140	00	
(NOTE.—The Treasurer of the University now holds mortgage notes received in part payment from sales of above property, amounting to \$68,530, bearing interest at the rate of eight (8) per cent. per annum, payable quarterly. As the notes are paid, investments are made in bonds for account of said fund.)			
Bills Receivable—Investment of proceeds belonging to the grant of 150,000 acres-----	12,895	10	
(NOTE.—This amount of \$12,895 10 was credited to the Land Fund, forming a part of the statement of cash receipts, and is here represented by a joint note due January 1st, 1879, bearing ten per cent. per annum interest.)			
Building Fund—Cost of College buildings known as North and South Hall, formerly known as College of Agriculture and College of Letters-----	357,396	37	
Students' Cottages—Cost of eight cottages built for occupation of students-----	26,905	00	
University Site Improvements—Cost of ornamental and useful trees, fencing, and grading the grounds-----	32,672	80	
University Water Company—Cost of construction of water ditch, reservoirs, iron pipe, etc.-----	5,967	50	
College of California—Cost of lands, expenses of surveys, legal services, etc.-----	80,682	52	
Apparatus-----	22,235	83	
Library-----	18,399	89	
Brayton Property—Cost of three blocks in Oakland and buildings thereon-----	88,787	28	
Museum-----	2,398	21	
University printing office-----	2,614	04	
Mechanical Arts College—advance-----	69	35	
Total cash investments-----	\$1,031,478	39	
TRUST FUNDS.			
Excess Payments—Amounts paid the United States-----	\$15,432	59	
State Geological Survey—Amounts paid for account of-----	3,559	23	
Amounts disbursed for payment of current expenses of the University-----			18,991 82
Total cash disbursements and investments-----	\$1,756,216	21	

The following statements of accounts, which are made up of donations, cash received from excess payments, and bank certificates of deposit, do not properly belong to the exhibits of cash receipts and expenditures, and are deposited with the following savings banks:

UNION SAVINGS BANK, OF OAKLAND, CALIFORNIA.

DEBITS.

To deposit of rents and interest thereon—Agassiz Professorship—from March 13th, 1873, to June 30th, 1878.....		\$832 73
To deposit of donations (account of Medal Fund), and interest thereon from March 13th, 1873, to June 30th, 1878.....		3,486 62
To deposit of donation by H. D. Bacon, of \$500, for an Engineering Fund, and interest thereon.....		714 33
To deposit account of excess payment, made June 30th, 1877.....	\$6,000 00	
To interest thereon.....	255 00	
		<u>6,255 00</u>
To deposits of certificates of deposit, issued by the Bank of California, (said certificates representing the preliminary deposits made by applicants for lands): Deposited February 24th, 1877.....	\$12,039 33	
And interest thereon to January 1st, 1878.....	885 60	
		<u>12,924 93</u>
Total debits.....		<u>\$24,213 61</u>

CREDITS.

By amounts paid for medals (account of Medal Fund).....	\$750 00	
By amounts paid for apparatus ordered by Professor of Civil Engineering, on account of Engineering Fund.....	528 38	
By amount transferred to Treasurer of University of certificate of deposit.....	1,000 00	
Total credit.....		<u>2,278 38</u>
Balance due University.....		<u>\$21,935 23</u>

HIBERNIA SAVINGS AND LOAN SOCIETY, SAN FRANCISCO.

DEBITS.

To deposit of excess payments, made October 12th, 1877.....	\$5,000 00
To interest on same, to January 1st, 1878.....	93 75
	<u>\$5,093 75</u>

SECURITY SAVINGS BANK, SAN FRANCISCO.

To deposit of excess payments, made from June 30th, 1877, to January 31st, 1878..	\$28,162 50
To interest on same, to January 1st, 1878.....	448 00
	<u>\$28,610 50</u>

SAN FRANCISCO SAVINGS UNION, OF SAN FRANCISCO.

To deposit of certificate of deposit, issued by Bank of California, made February 23d, 1877.....	\$12,212 62
To deposit of certificate of deposit by Bank of California, made June 25th, 1878..	3,250 00
To interest to June 30th, 1877.....	\$286 27
To interest to January 1st, 1878.....	506 17
	<u>792 44</u>
	<u>\$16,255 06</u>



## THE AGASSIZ PROFESSORSHIP FUND.

Dr.

*Deposited with the Union Savings Bank, Oakland, California.*

Cr.

1876.			1873.		
June 30-----	To balance -----	\$485 56	March 13 --	By cash from rent	\$100 00
			June 30-----	By interest -----	2 35
			Dec. 31-----	By interest -----	5 04
			1874.		
			June 30-----	By interest -----	6 08
			August 19--	By cash from rent	100 00
			Nov. 14-----	By cash from rent	100 00
			Dec. 31-----	By interest -----	9 27
			1875.		
			June 30-----	By interest -----	15 22
			Dec. 11-----	By cash from rent	125 00
			1876.		
			June 30-----	By interest -----	22 60
1877.					
June 30-----	To balance -----	\$485 56			\$485 56
		\$679 09	1876.		
			June 30-----	By balance -----	\$485 56
			Dec. 18-----	By rent -----	125 00
			1877.		
			June 30-----	By interest -----	68 53
					\$679 09
		\$679 09	1877.		
			June 30-----	By balance -----	\$679 09
			1878.		
			Jan. 31-----	By interest -----	28 64
			March 31--	By cash from rent	125 00
					\$832 73
			June 30-----	-----	\$832 73
1878.			June 30-----	By balance -----	\$832 73
June 30-----	To balance -----	\$832 73			

## RECAPITULATION.

Total receipts -----	\$1,821,675 65
Total disbursements and investments -----	1,756,216 21
Excess of receipts over disbursements and investments -----	\$65,459 44

## CASH STATEMENT.

By cash balance with Treasurer, D. O. Mills, June 3d, 1878-----	\$21,296 94
By cash deposit with savings bank, account of excess payments, June 3d, 1878---	44,162 50
Total -----	\$65,459 44

JOHN LÉCONTE,  
President of the University of California.

ROBT. E. C. STEARNS,  
Secretary of the Board of Regents, University of California.

[The following statement from the President, Jno. LeConte, and letter of Professor E. W. Hilgard, are, by order of the Constitutional Convention, appended to this report.]

## WHAT HAVE THE REGENTS OF THE UNIVERSITY TO SHOW FOR THEIR EXPENDITURE?

1. They have secured a corps of professors and instructors of ability and reputation, and established a *curriculum* of studies which, for its range and variety, bears comparison with the oldest and best endowed institutions in the Eastern States.

2. They have, in the course of nine years, succeeded in establishing an institution of high grade, which already assumes an acknowledged rank among the Universities of our country—in which instruction is imparted in all branches of culture and useful knowledge, free to all residents of California, both male and female. No money consideration can represent the value of such an institution to the State.

3. The amount expended for instruction in its various forms, for free scholarships, and for support (during a short period) of a Preparatory Department, has of course gone beyond recall. For this they have nothing *tangible* to show. It is represented by the knowledge imparted to hundreds of the youth of our State. It will assuredly bear its fruits in time, in the form of wise statesmen and legislators, accomplished scholars, original thinkers and investigators, able jurists, public benefactors, and virtuous citizens. Dollars and cents can not represent the value of these contributions to modern civilization.

4. But, aside from the intangible blessings conferred by the University, the Regents have *properties* of great value to show for the money expended. The State now owns:

(1.) Two hundred acres of land at Berkeley, with cost of ornamenting, grading, and improving site—valued at.....	\$250,000
(2.) Three first-class buildings at Berkeley, with the furniture of the same.....	397,000
(3.) A museum, embracing extensive collections of geological, mineralogical, botanical, and ethnological specimens; also, works of art, etc.—mostly private donations.....	50,000
(4.) A library, containing over 14,000 volumes—expended by Regents.....	18,000
Private donations (estimated value).....	17,000
(5.) Collections of apparatus, physical, chemical, and other aids to instruction.....	25,000
(6.) Eight (8) cottages for students.....	24,000
(7.) Gymnasium building—recently the gift of Mr. A. K. P. Harmon.....	7,000
(8.) Printing office property.....	2,500
Printing press—gift of Dr. Samuel Merritt.....	1,500
(9.) Propagating houses, barn, farm implements, and orchard containing over five hundred varieties; also, many varieties of grapes, etc.....	4,800
(10.) Forty-seven acres of land near Oakland—a gift from the late Edward Tompkins—present value.....	40,000
(11.) Toland Medical Hall in San Francisco—a gift from Dr. H. H. Toland.....	75,000
(12.) Medal Fund—a gift from friends of the University.....	2,600
(13.) Brayton property—mortgaged notes.....	68,530
Brayton property—investment in bonds.....	20,140
(14.) Seminary Land Fund—invested by Regents in six per cent. bonds—cost.....	19,380

\$1,022,450

JOHN LECONTE,  
President of University of California.

UNIVERSITY OF CALIFORNIA, COLLEGE OF AGRICULTURE, }  
 BERKELEY, November 18th, 1878. }

*Honorable J. R. Freud:*

DEAR SIR: YOUR favor of sixteenth came duly to hand. As it would be difficult, and on account of the state of my eyes almost impossible, for me to make out, at short notice, as full a statement as would be desirable in respect to the matters you allude to, I mail to you with this such printed matter as I have published, bearing on the questions in hand. My Walnut Creek lecture, and the first fifteen pages of my report to the President, contain the gist of the whole matter, so far as my views on the past, present, and future of the Agricultural Department are concerned; and I have only to add that, with the aid of the appropriation made by the last Legislature, these views are now being carried out as rapidly as possible, in accordance with a printed, but not as yet published, programme, of which, unfortunately, I have no copy to send you, but which is in the hands of both Mr. Martin and Mr. Winans. This programme includes:

1. Courses of lectures on "special cultures," in accordance with the circular herewith inclosed. This is given regularly by Mr. C. H. Dwinelle, and by other lecturers specially competent in particular subjects, as these can be obtained. Among the latter, a clinical lecture on "glanders" was, last week, delivered by Dr. A. De Tavel, of San Francisco, to a large audience. Mr. Dwinelle's lectures are regularly attended by four students, and almost always by from two to six persons not regular students in the agricultural course, of which this is the "senior" year.

2. A garden of economic botany. This is now being laid out and occupied, on the level tract next the entrance from the railroad depot. It will embrace, as fully as possible, all the economically useful plants capable of outdoor culture in this climate. At the same time, culture experiments on a larger scale are being carried out on the grounds north of the branch of Strawberry Creek; and, for the culture of plants requiring heat, an addition is being made to the propagating houses already occupied. A large number of seeds of important forest trees have lately been put into the ground, to be later transplanted to suitable positions in the University domain, which will ultimately (if my plans are carried out) be to the agricultural student what the cabinet of minerals and laboratory are to the mining student.

3. Increased and improved means of demonstration in instruction in the several practical courses, in the way of collections, illustrations, implements, etc.

4. The continuation, to the extent rendered possible by our means, of the work of an agricultural survey, as explained in my report to the President, page eleven and following ones, and exemplified in the Appendix, pages twenty to sixty-three. A number of important matters have been under examination since the date of this report, and will be published before long. At the moment, the work has received a check in the resignation of my assistant, who can be replaced only by training up another graduate in his stead. For this purpose, I have selected Mr. F. W. Morse, of the class of eighteen hundred and seventy-eight.

I consider the prosecution of this work as the key to the situation, as it is the most direct means of proving to farmers how great are the



benefits to be derived by their sons from the study of the scientific principles underlying agriculture. I cannot but ascribe largely to the published and unpublished results of this work, the gratifying increase of students in the strictly agricultural course, and the increased attendance of others upon the lectures of the department, so far from the "single student" of current report (which doubtless originated in the statement that there *was* but one student in the senior class this session), the facts now are as follows:

Regularly attending senior course of special cultures.....	4
Regularly attending junior course of agricultural chemistry.....	6
Electing the course of economic botany, second term, sophomore.....	12
<hr/>	
Total in agricultural course proper, by January 1st, 1879.....	22
Deduct as twice mentioned.....	4
<hr/>	
Total attending regularly.....	18

It should be remembered that, moreover, the entire scientific division of the sophomore class (from forty-five to fifty students) attend regularly the first term of my course, to wit, general botany, which begins the agricultural course. After the first term they elect their college, as above stated.

When you remember that years ago not a single student elected the agricultural course at this time of the year, the change that has occurred cannot but be gratifying. The course has become acceptable and respectable, in the eyes of the students and their parents, in proportion to its increased thoroughness and educational value. And I have no fears as regards its future increase of patronage and usefulness, if the policy that has effected this change is continued. Let me add, that I consider the number of students now in attendance here, on this course, as a fair index of the interest now taken by the farming population in the *professional* education of their sons as farmers. If the means and appliances for such education here are not, at this time, all that could be desired, whatever is offered is indispensable, and what is lacking can in a great degree be made up by practice on any well-conducted farm. For mere drill in farm operations no sensible man will send his son to college; and business management of a farm will never be learned under the artificial conditions of a College Farm. I am unable to see why, of all professional schools, the Agricultural College should be saddled with the task of converting young men to farming, by keeping them surrounded with what some are pleased to term an "agricultural atmosphere." It is the unintelligent drudgery of ordinary farm life that our boys run away from; and it is only by rendering them intelligent laborers, and not by rubbing in the drudgery, that their aversion to farm life (for which certainly the colleges are not responsible) can be overcome. Whenever farming comes to be a learned profession amongst us, and to be considered as such, young men will not need to be surrounded by a dense "agricultural atmosphere" in order to keep them to their profession. And then, the many farmers who now send their sons to all but the agricultural course at the University, will cease to tell their sons that they "can teach them all the farming they need at home." I am hopeful that this day is coming sooner in California than elsewhere, for natural reasons; but its coming will not be hastened by removing our future farmers from

contact with the rest of the rising and cultured youth of the State; and if Mr. Morrill's own statement is to be believed, that was assuredly not the object of the "Morrill grant."

In conclusion, allow me to suggest, that the first thing needful for rendering the aid of science accessible to the rural population is, that the rudiments at least of natural science should be effectually, and not only nominally, taught in the common schools. The reason why this is not now done is simply that there are too few teachers competent to give such instruction, and if the University does no more than supply these teachers it will have done the greatest possible service to the cause of agriculture. Then, indeed, "farm schools" scattered over the country could do real service, because they would have suitable material to work upon. But so long as there are no teachers, no law or constitutional provision can create efficient schools.

If there is any farther information that I can furnish you, please let me know, and I will do so as rapidly as possible.

Very respectfully yours,

EUG. W. HILGARD.

REPORT OF COMMISSION

TO

EXAMINE INTO AND REPORT

ON THE

CONDITION OF CERTAIN FUNDS, ETC.,

IN

RELATION TO THE STATE UNIVERSITY.



SACRAMENTO:

STATE OFFICE : : F. P. THOMPSON, SUPT. STATE PRINTING.

1879.



**NON-CIRCULATING BOOK**

533437

**UNIVERSITY OF CALIFORNIA LIBRARY**

