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ANNUAL REPORT OF THE PRESIDENT  
OF STANFORD UNIVERSITY

FOR THE THIRTY-EIGHTH ACADEMIC YEAR  
ENDING AUGUST 31, 1929

THIS BEING THE TWENTY-SIXTH REPORT SUBMITTED, TO  
WHICH ARE APPENDED THE ANNUAL REPORTS OF THE  
TREASURER, COMPTROLLER, DEPARTMENTS,  
COMMITTEES, AND THE PUBLICATIONS  
OF THE FACULTY

STANFORD UNIVERSITY, CALIFORNIA  
PUBLISHED BY THE UNIVERSITY

1929

## DEGREES GRANTED

1920-1929

## STANFORD A.B. DEGREES, 1920-29

	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
School of Biology.....	..	..	..	..	5	12	8	9	9	18
Bacteriology and Experimental										
Pathology .....	8	7	3	..	3	2	8	5	4	10
Botany .....	4	6	4	4	2	3	..	3	3	..
Physiology .....	6	8	7	7	2	3	2	3	3	8
Pre-Nursing .....	..	..	..	..	2	..	1	..	1	3
Zoölogy .....	6	4	11	9	4	10	13	13	10	12
Zoölogy: Entomology .....	2	2	3	2	1	3	3	2	..	..
School of Education.....	..	..	1	..	..	..	..	..	..	..
Education .....	13	13	15	11	15	4	12	21	16	16
Education: Graphic Art.....	7	6	6	5	7	7	9	5	6	10
School of Engineering.....	..	..	..	..	..	..	..	23	41	47
Civil Engineering .....	17	14	21	22	20	20	20	22	17	12
Electrical Engineering .....	2	..	..	..	..	2	13	8	1	..
Mechanical Engineering .....	28	37	36	55	52	58	31	23	12	11
Military Science and Tactics.....	..	..	..	..	1	1	2	2	6	7
Mining and Metallurgy.....	..	..	..	1	..	..	..	..	..	..
Pre-Mining Curriculum .....	..	..	..	..	9	13	23	9	9	3
School of Law.....	..	..	..	..	..	..	..	..	..	..
Pre-Legal Curriculum .....	42	42	35	40	48	76	75	73	61	18
School of Letters.....	..	..	..	..	..	..	..	..	..	1
Classical Literature .....	3	2	4	4	5	1	1	6	4	9
English .....	26	25	29	27	33	30	28	24	46	37
English: Journalism .....	6	..	6	5	6	6	2	1	..	..
English: Public Speaking.....	..	..	..	..	1	2	3	3	7	14
Germanic Languages .....	2	2	..	1	2	2	2	2	4	1
Romanic Languages .....	18	17	24	31	14	19	12	33	23	19
School of Medicine.....	..	..	..	..	..	..	..	..	..	..
Pre-Clinical Sciences .....	8	17	34	17	23	33	21	24	23	27
School of Physical Sciences.....	..	..	..	..	..	..	..	..	..	3
Applied Mathematics .....	..	..	..	1	..	..	..	..	..	..
Chemistry .....	38	39	53	39	32	31	25	40	32	27
Geology .....	22	29	59	34	33	12	14	14	8	14
Mathematics .....	8	9	7	6	10	11	5	12	10	7
Physics .....	1	1	..	1	4	2	6	3	3	4
School of Social Sciences.....	..	..	..	..	..	3	6	7	11	31
Economics .....	75	94	134	105	136	132	140	139	176	196
Economics: Accountancy .....	..	..	..	..	..	..	..	5	7	12
Economics: Journalism .....	1	..	..	4	3	1	3	2	..	..
History .....	19	28	27	17	36	53	48	44	44	55
History: Journalism.....	..	..	1	2	1	1	..	..	..	..
Journalism .....	..	..	..	..	..	..	2	8	12	19
Philosophy .....	3	3	2	3	8	10	9	5	14	15

Political Science .....	2	5	6	11	8	14	18	13	37	60
Political Science: Journalism...	..	..	..	1	..	2	3	..	..	..
Psychology .....	3	3	6	6	6	10	7	9	13	11
At large .....	1	2	..	..	..	..	4	..	..	..
Totals .....	371	415	534	471	532	589	579	615	673	737

• STANFORD MASTERS DEGREES, 1920-29 •  
A.M. AND M.B.A.

	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
School of Biology.....	..	..	..	..	..	3	1	1	2	9
Anatomy .....	..	..	..	1	..	1	..	1	1	1
Bacteriology and Experimental										
Pathology .....	..	..	2	2	..	1	..	2	1	2
Botany .....	..	2	..	2	1	6	6	2	2	4
Physiology .....	2	..	2	2	..	1	1	..	1	..
Zoölogy .....	..	..	..	3	1	..	2	8	6	7
Zoölogy: Entomology .....	..	..	1	1	3	..	..	..	1	..
School of Business (M.B.A.).....	..	..	..	..	..	..	..	..	8	9
School of Education.....	..	..	1	6	..	..	2	..	..	..
Education .....	9	17	26	27	25	23	22	31	44	61
Education: Graphic Art.....	1	..	..	1	1	1	..	6	2	..
Engineering: Electrical .....	..	..	..	..	..	..	..	1	..	..
School of Letters.....	..	..	..	..	..	..	..	..	..	..
Classical Literature .....	4	1	5	4	6	6	2	1	5	..
English .....	8	13	9	10	10	9	10	17	22	6
Germanic Languages .....	2	2	1	3	..	1	2	..	..	1
Romanic Languages .....	3	4	8	8	7	7	11	7	13	10
School of Medicine .....	..	..	..	2	..	..	..	..	..	..
Pharmacology .....	..	..	..	..	1	..	..	..	..	..
Public Health and Preventive										
Medicine .....	..	..	..	..	..	1	..	1	..	..
Surgery .....	..	..	1	..	..	..	..	..	..	..
School of Physical Sciences.....	..	..	..	..	..	..	..	..	..	..
Chemistry .....	1	6	5	5	14	10	9	6	13	7
Geology .....	2	1	3	5	9	5	3	2	5	4
Mathematics .....	..	1	1	5	..	5	4	1	3	5
Physics .....	1	..	..	1	1	3	1	2	1	1
School of Social Sciences.....	..	..	..	..	..	..	3	..	1	..
Economics .....	1	8	3	5	7	6	2	1	4	8
Economics: Sociology .....	..	..	..	..	..	..	..	1	..	1
History .....	7	7	8	7	7	7	17	9	7	19
Journalism .....	..	..	..	..	..	..	..	..	..	2
Philosophy .....	1	2	..	..	1	..	1	2	..	..
Political Science .....	..	1	..	2	1	3	1	5	9	8
Psychology .....	..	..	..	2	5	4	..	6	8	5
Totals .....	42	65	76	104	100	103	100	113	159	170

## STANFORD PH.D. DEGREES, 1920-29

	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
School of Biology .....								1	1	3
Anatomy .....							1	1		
Bacteriology .....										1
Botany .....		1	1			1	2	1	1	3
Physiology .....					2					
Zoölogy .....				1	1		1	2	3	2
Zoölogy: Entomology .....		1	1	2		1				
School of Education .....										
Education .....	4		2	2	1	5	1	10	6	1
Education: Graphic Art .....										
School of Engineering .....										
Civil Engineering .....							1			
Electrical Engineering .....									1	
Food Research .....					1					
School of Letters .....										
Classical Literature .....				1	1		2	1	1	
English .....					4	1	2	6	3	2
Romanic Languages .....	1		1	1			1	1	3	
School of Medicine .....			1				1			
Pharmacology .....					1		1			
School of Physical Sciences .....										
Chemistry .....	1	2	1	3	4	2	5	3	8	9
Geology .....			1	1	3	3	1	3		4
Mathematics .....								1	1	
Paleontology .....						1				
Physics .....		1	1				1	1	1	
School of Social Sciences .....										
Economics .....					1		4	2	3	4
History .....					3	2	1	3	4	2
Political Science .....				1		1	1	4	1	2
Psychology .....				1	2	5	3	4		4
Totals .....	6	5	9	13	24	22	29	44	37	37

## STANFORD DEGREES IN THE PAST TEN YEARS, GROUPED\*

	Six- and Seven- Year Degrees	Five-Year Degrees	Four-Year Degree	Total
1928-29 .....	135	197	737	1,069
1927-28 .....	134	190	673	997
1926-27 .....	111	140	615	866
1925-26 .....	101	128	579	808
1924-25 .....	81	133	589	803

\* The group labeled Six- and Seven-Year Degrees includes J.D., M.D., Ph.D.; the Five-Year Degrees include LL.B., A.M.; M.B.A., Eng.; the Four-Year Degree is A.B.

## ORGANIZATION OF THE FACULTY

The following changes were made in the Articles of Organization of the Faculty:

*Chapter VI, Section 1—*

"d) All standing committees shall consist of five members unless otherwise provided by the Academic Council.<sup>2, 3</sup>"

"<sup>2</sup> By action of the Academic Council June 14, 1929, the membership of the Committee on Admission and Advanced Standing was increased from five to seven members."

"<sup>3</sup> By action of the Academic Council June 14, 1929, the membership of the Committee on Independent Study Plan was increased from five to nine members."

## STUDENTS

## ATTENDANCE

The total enrolment for the year, including the summer quarter, was 4,677, which was 128 more students than in 1927-28. The registration was distributed as follows:

School of Biology.....	51	School of Letters ( <i>Continued</i> )	
Anatomy .....	6	Germanic Languages .....	18
Bacteriology .....	21	Romanic Languages	
Botany .....	23	French .....	46
Physiology .....	19	Spanish .....	53
Pre-Medical .....	84	Lower Division .....	1,385
Public Health Nursing.....	3	School of Medicine.....	147
Zoölogy .....	45	Pre-Clinical .....	28
Graduate School of Business...	63	Physical Education and Hy-	
School of Education		giene .....	1
Education .....	509	School of Physical Sciences...	6
Graphic Art .....	39	Chemistry .....	122
School of Engineering.....	173	Geology .....	62
Civil .....	29	Mathematics .....	32
Electrical .....	23	Physics .....	24
Mechanical .....	27	School of Social Sciences.....	86
Military Science .....	8	Economics .....	558
Mining and Metallurgy.....	18	Accountancy .....	29
School of Law.....	229	History .....	179
School of Letters.....	6	Journalism .....	47
Classical Literature .....	29	Philosophy .....	34
English .....	165	Political Science .....	158
Public Speaking .....	34	Psychology .....	58
Total .....		Total .....	4,677

SCHEDULE I—Continued

ANALYSIS OF EXPENDITURES, YEAR ENDED AUGUST 31, 1929

INSTRUCTION AND RESEARCH, SCHOOLS AND DEPARTMENTS (Continued)	Total	Expense	Equipment to Capital
School of Law.....	\$ 78,001.15	\$ 78,001.15	
School of Business Administration.....	\$ 75,473.88	\$ 75,473.88	
School of Education.....	\$ 69,365.34	\$ 69,365.34	
Journalism .....	\$ 11,274.82	\$ 11,274.82	
<b>Engineering Group</b>			
Dean's Office .....	\$ 2,886.82	\$ 2,658.57	\$ 228.25
Civil Engineering .....	49,595.27	47,612.17	1,983.10
Electrical Engineering .....	28,919.01	27,199.16	1,719.85
Mechanical Engineering .....	59,714.66	56,696.30	3,018.36
Mechanical Engineering, Guggenheim Labora- tory .....	503.30		503.30
Military Tactics and Science.....	4,762.40	4,762.40	
Mining and Metallurgy.....	37,988.23	37,669.13	319.15
Geology .....	44,644.23	44,644.23	
<b>Total</b> .....	<b>\$ 229,013.97</b>	<b>\$ 221,241.96</b>	<b>\$ 7,772.01</b>
<b>Biological Group</b>			
Bacteriology .....	\$ 31,608.02	\$ 31,278.02	\$ 325.00
Bacteriophage Research .....	2,481.11	1,966.03	515.08
Botany .....	24,062.30	24,062.30	
Biology .....	23,209.55	22,888.25	321.30
Hopkins Marine Station, Pacific Grove.....	52,439.62	42,259.61	10,180.01
Zoology .....	26,784.76	26,784.76	
Natural Sciences Museum .....	8,613.92	8,613.92	
Anatomy .....	39,067.83	38,011.83	1,046.00
Physiology .....	33,631.38	33,631.38	
<b>Total</b> .....	<b>\$ 241,873.49</b>	<b>\$ 229,486.10</b>	<b>\$ 12,387.39</b>
<b>Languages, Ancient and Modern</b>			
English .....	\$ 61,353.27	\$ 61,353.27	
German .....	21,658.07	21,658.07	
Classical Literature .....	25,715.10	25,715.10	
Public Speaking .....	20,790.70	20,790.70	
Romanic .....	42,570.35	42,570.35	
Slavic .....	3,181.87	3,181.87	
<b>Total</b> .....	<b>\$ 175,269.36</b>	<b>\$ 175,269.36</b>	

## DIVISION OF JOURNALISM

The staff of the Division of Journalism for the year consisted of Everett W. Smith, professor; Buford O. Brown, associate professor; Thomas George Irwin, instructor; and Waldo J. Marra, lecturer.

During the autumn and winter quarters Professor Brown was acting executive of the division while Professor Smith was on leave. Professor Smith represented the University at the meetings of the American Association of Teachers of Journalism and of the American Association of Schools and Departments of Journalism, held at the University of Michigan during the Christmas vacation. Stanford joined the latter association this year. For several years the Division of Journalism has for various reasons refrained from applying for membership on behalf of the University, although it met all eligibility rules for such membership; but because the association, comprising about twenty universities and colleges, is the chief body concerned with the establishment and maintenance of standards in journalistic instruction, it seemed best for Stanford to join forces with it. Professor Smith devoted the winter quarter largely to visiting newspapers and schools of journalism in various parts of the country.

Professor Brown, on leave in the spring quarter, was engaged in special work for the *Dallas (Texas) News*, making a survey of the state in connection especially about tenant farming, crop diversification, and city planning, the results being published in a series of articles. This work brought him into close contact with newspapers and editors throughout the state. He spoke before the Southwestern Journalism Conference, which met at the Texas State College for Women in Denton. In February Professor Brown's book on *Problems of Newspaper Publishing* was issued by Harper and Brothers, and he published technical articles during the year in the *Inland Printer* and the *National Printer Journalist*.

Professor Brown attended the meeting of the California Newspaper Publishers' Association in Sacramento during the winter and co-operated with representatives of that organization in forming the northern California division. Both he and Professor Smith have been deeply interested in the extension of this association, which began as a southern California body, into the northern part of the state as a unifying and stabilizing influence for the newspapers of all sections, and participated in numerous preliminary conferences and meetings.

The increase of the teaching staff of the division by the addition of an instructor made it possible to offer courses during the summer quarter without appointment of acting members, as has heretofore been necessary, and to have at least two members on duty every quarter and at the same time permit regular quarterly leaves for each faculty man, as has not heretofore been possible. Mr. Thomas G. Irwin, who was appointed to the instructorship, has had intensive small-city newspaper experience since leaving Stanford. During the summer he again took up practical work in this field. Summer quarter instruction was again centered about the publication of the *Stanford Daily*, which was turned over to the division by the

Associated Students for the quarter, and issued twice a week by members of journalism classes.

The division once more sponsored the annual meeting of the California Scholastic Press Association, which in accordance with its constitution was held on the Campus in the autumn quarter.

EVERETT WALLACE SMITH  
*Professor of Journalism*