

Princeton has undisputed first place on a list of the institutions at which the fellowship-holders elected to study. These are the figures for certain of the leading institutions in the three sciences:

PLACE SELECTED FOR ADVANCED RESEARCH

Past and Active Fellows

Princeton	104	Hopkins	17
Harvard	85	Yale	15
C. I. T.	79	Wisconsin	12
Chicago	52	Cornell	9
California	40	Columbia	8
M. I. T.	33	Michigan	8

The two tables above can be combined to give an approximate statement of the universities' standing. There are rarely duplications between the two lists:

COMBINED TABLE

Past and Active Fellows

Princeton	147	M. I. T.	47
Harvard	120	Yale	37
C. I. T.	110	Wisconsin	35
Chicago	97	Cornell	25
California	77	Columbia	24
Hopkins	48	Michigan	22

Counting only the fellows active at the present time, Princeton also enjoys first position, indicating that the record of the past is being maintained.

COMBINED TABLE

Active Fellows

Princeton	18	Wisconsin	5
Harvard	12	Chicago	4
California	11	N. Y. U.	4
C. I. T.	11	Columbia	3
M. I. T.	11	Cornell	3
Hopkins	8	Brown	2
Illinois	6	Iowa	2
		Yale	2

California has the best record in physics among this year's fellows, three of its doctors holding fellowships at other universities, and four men from elsewhere having elected to study at Berkeley. Second place in physics this year goes to California Institute of Technology, and third to Massachusetts Institute of Technology. Princeton, New York University and Wisconsin are tied for fourth.

The Massachusetts Institute of Technology is first in chemistry and is followed by California Institute of Technology, Harvard, California, Princeton and Wisconsin.

In mathematics Princeton is followed by Brown, Harvard, Hopkins and Chicago.

ENGINEERING IN THE SUMMER SESSION OF COLUMBIA UNIVERSITY

DURING the thirty-sixth Summer Session of Columbia University, which begins on July 8 and continues until August 16, instruction will be given in chemical, civil, drafting, electrical and household engineering.

Professor Arthur W. Hixson will be in charge of work in chemical engineering. With Professor Lincoln T. Work he will supervise a chemical engineering laboratory in which a thorough experimental study will be made of the basic operations employed in chemical manufacturing plants. Professor William D. Turner will conduct a course in the Chandler Laboratories on the application of chemistry in industry. Industries producing chemicals, using chemical methods or involving chemical control of process will be studied. The course is also designed for teachers of general chemistry in high schools and colleges who wish an up-to-date knowledge of practical chemistry as a means of bringing greater human interest into their teaching. Research work will be carried on in the laboratories by advanced students under the direction of Professors Hixson, Work and Turner.

Camp Columbia, at Lakeside, Conn., will be the headquarters for students of civil engineering, who will be under the direction of Professor James K. Finch. A lake adjoins the camp cabins, which are situated in the hills on a ten-acre tract.

Work in electrical engineering will be carried on by Professor F. W. Hehre, while the engineering drafting work will be under the supervision of Professor C. H. Schumann, Jr., who will have charge of engineering drafting. Descriptive geometry, statistical drafting and mechanical drafting will also be studied in this division.

Household engineering, dealing with the fundamental principles of mechanics, heat and electricity and their applications to the home, as well as a course on simple tests of household appliances, will be directed by Professor Carleton J. Lynde, of the department of physics.

A special series of lectures by Dean Joseph W. Barker, of the Columbia School of Engineering, and others will deal with "Science and Mathematics in Engineering." The lectures will be designed to assist teachers in their work of counseling with high-school students concerning vocational careers. Specialists will represent each of the major fields of engineering.

SCIENTIFIC NOTES AND NEWS

THE degree of doctor of science was conferred on June 4 at the commencement exercises of Columbia University on William Slocum Barstow, electrical

engineer, and on Harvey Fletcher, electrical engineer and director of acoustical research in the Bell Telephone Laboratories.