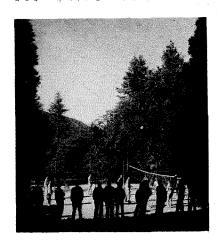
ENGINEERING AND SCIENCE

IN THIS ISSUE



On our cover this month—a picture of an early morning volleyball game at Freshman Camp, with a frieze of freshman spectators. Some of the other activities and personalities at this year's Camp are pictured on pages 30-32.

"Science—the Endless Adventure," on page 17, is a transcript of a talk given by President DuBridge at the 94th annual convention of the National Educations Association in Portland, Oregon, this summer. Even though this is the first time the full text of the talk has been printed, it has already gained considerable fame, and the President's office has been busily filling requests for transcripts all summer long. When you read it you'll see why.

It's been a long time since the last Caltech man went to the Olympics, but this fall Phil Conley '56 takes off for Australia to compete in the javelin throw. On page 44 Marty Tangora '57 explains how it all came about. . . On page 40—more sports news. Doug Carmichael '59, who worked as a lifeguard at the Alumni Pool this summer, describes the colorful life around the pool after the school year ends.

On page 6, a letter inspired by Dr. Richard Feynman's June article, "The Relation of Science and Religion." On page 52, Dr. Feynman's reply to it.

PICTURE CREDITS Cover p. 17, 23, 24, 25 p. 26, 30, 31, 32

p. 38

p. 40, 41

Tom Harvey Notan Patterson Tom Harvey Wesley Hershey Wolter Girdner Notan Patterson Charles Mosher '57 Notan Patterson

OCTOBER, 1956	VOLUME XX	NUMBER 1
PUBLISHED AT THE	CALIFORNIA INSTITUTE O	F TECHNOLOGY
CONTENTS		
In This Issue		3
Letters		6
Science—the Endle		17
	Synchrotron d, the Caltech synchrotron i machine of its type in existe	
conference in M	icist attends an international loscow and brings back an in ag—report on Soviet scientist work.	
Freshman Camp A pictorial reco	ord.	30
The Summer at Ca	ltech	34
The Phabulous Phil	•	44
Alumni News		48
Personals		54
Alumni Fund		70
Editor and Business M Editorial Assistant	Richard Manager Edw Mart Douglas	ard Hutchings, Jr. Gerda Chambers

Published monthly, October through June, at the California Institute of Technology, 1201 East California St., Pasadena, Calif., for the undergraduates, graduate students and alumni of the Institute. Annual subscription \$3.50 domestic, \$4.50 foreign, single copies 50 cents. Entered as second class matter at the Post Office at Pasadena, California, on Septmber 6, 1939, under act of March 3, 1879. All Publisher's Rights Reserved. Reproduction of material contained herein forbidden without written authorization. Manuscripts and all other editorial correspondence should be addressed to: The Editor, Engineering and Science, California Institute of Technology.