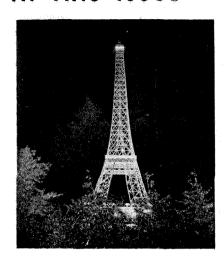
ENGINEERING AND SCIENCE

THIS ISSUE



ON OUR COVER this month is the Throop Club Eiffel Tower, built for this year's Interhouse Dance. The tower stayed up, a graceful addition to the campus, until it was finally sold this month to the Moulin Rouge nightclub in Hollywood.

The silver tower was 36 ft. high (and would have been even higher if the Pasadena Building Department didn't have a height limit for this area). It took about 600 man-hours of labor, cost \$350, and was built to scale—from an old Life photograph.

The Eiffel Tower was the most memorable thing about the Interhouse Dance this fall, and there is another view of it on page 39-where you will find pictures of some of the other memorable student events of the First Term. 1957-58.

"An American Geneticist in the USSR," on page 27 of this issue, has been adapted from a Friday Evening Demonstration Lecture given by Norman H. Horowitz, professor of biology, on November 1.

PIC	- i ńki	E CKE	2112			
Co	ver			ASCIT Photo		
p.	19	Elton	Sewell,	Independent Star-News		
pp	s. 20	0-26		Harvey		
p.	27			Norman H. Horowitz		
p.	38			ASCIT Photos		
p.	39			Bill Bortos		
				Elton Sewell		
				ASCIT Photos		

DECEMBER, 19	57	VOLUME XXI		NUMBER 3					
PUBLISHED AT	THE	CALIFORNIA	INSTITUTE	OF TECHNOLOGY					
CONTENTS									
In This Issue				3					
Books				6					
Satellites				17					
Let's face up to the obvious fact that the Russians are ahead of us. So what do we do about it? by W. H. Pickering									
A Portfolio of Faculty Portraits III by Harvey 20									
An American		eticist in the	e USSR	27					
The Month a	t Cal	tech		36					
Student Life First Ten	rm, 19	57-58—Some	pictorial hig	38 hlights.					
Alumni News	.			42					
Personals				44					
Lost Alumni				56					
	:								
STAFF									
				d C. Armstrong '28					
Editor and Bus	iness N	lanager	Ed	lward Hutchings, Jr.					
				Gerda Chambers					
Student News				Brad Efron '60					
Student Photog	raphei	rs	Wi	.Dennis L. Paul '59 lliam R. Schmus '60					
Published monthly	, Octob	per through June ornia St. Pasad	, at the Califo	ornia Institute of Tech- or the undergraduates,					

rology, 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 September 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. © 1957 Alumni Association, California Institute of Technology.