

# C. I. T. NEWS

## ADMINISTRATIVE REORGANIZATION

THE retirement of Dr. R. A. Millikan was announced, together with other administrative changes, in the August issue of *Engineering and Science*. The Board of Trustees has announced new appointments which will be of interest to the alumni.

Professor E. C. Watson has been appointed Dean of the Faculty, a position which has not heretofore existed at the Institute. Professor W. V. Houston has been appointed chairman of the Division of Physics, Mathematics and Electrical Engineering. This position was formerly held by Professor R. A. Millikan.

Professor F. C. Lindvall has been appointed chairman of the Division of Civil and Mechanical Engineering and Aeronautics. This position was formerly occupied by Dean Franklin Thomas, who remains as head of the Civil Engineering Department and Dean of Upper Classmen.

Professor J. E. Wallace Sterling, who is a member of the newly formed executive committee, has been appointed Edward S. Harkness Professor of History and Government. This professorship was formerly held by Professor William B. Mumro, who has retired, becoming a member of the Board of Trustees and Treasurer of the Institute.

Harry J. Bauer, member of the Board of Trustees, has been appointed a member of the Observatory Council.

The Board of Trustees has transferred the Department of Meteorology to the Division of the Geological Sciences.

These actions were made effective September 15, 1945.

On November 10 it was announced that two engineers whose scientific skill aided materially in winning the war on opposite sides of the world have returned to civil life by joining the faculty at California Institute of Technology.

Lieutenant-Colonel Arthur P. Banta, who won high praise as an army sanitary engineer in the Pacific, rejoined the staff as associate professor of sanitary engineering, after a four-year military leave of absence.

Dr. George W. Housner, advisor of generals on aerial gunnery and bombing tactics in Africa and Italy, joined the faculty for the first time as assistant professor of applied mechanics.

As chief of the Army's War Planning Section, with headquarters at Honolulu, Colonel Banta had charge of design, construction, and initial operation of water supply and sewerage systems in the Pacific theater.

Author of numerous articles on sewage disposal systems, Colonel Banta was graduated in 1926 from Stanford University with an A.B. degree, and from California Institute of Technology in 1928 with a Master of Science degree in civil engineering. He is married and lives at 159 Sierra View Road.

A structural engineer here before the war, Dr. Housner became chief analyst of the First Operations Analysis Section, 15th Air Force, in 1943. In that capacity he advised high-ranking officers on bombing weights necessary for certain operations, with reference to different terrain conditions, and on other problems.

Working under his direction was a consulting body of 20 physicists, mathematicians, and electronics engineers. Major-General N. F. Twining, commanding officer of the 15th Air Force, commended him highly for "employing innumerable innovations in operational procedure and technique."

Unmarried, he lives with his family in Flintridge. He is a graduate of University of Michigan, with a B.S. degree in 1931, and of California Institute of Technology, with a Ph.D. received in 1941. An expert in engineering seismology, he has written numerous articles on earthquakes and their effect on structures.

## ATHLETICS

By H. Z. MUSSELMAN,  
Director of Physical Education

Bouncing back after an early season slump, Caltech's football team won the last three games on the schedule to finish the season with a record of four wins and two losses.

Coach Pete Brown's lads turned in a neat game in trouncing U. C. L. A. Junior Varsity, 6-0. Outplaying the heavier and favored Bruins, Tech drove for its touchdown in the fourth quarter with fullback Dutch Schimenz leading the sustained march and bucking over for the touchdown.

The best game of the season was the 32-20 triumph over San Diego State. With halfbacks Jerry Wozniak and Lloyd Chamberlain skirting the ends, and fullbacks Dutch Schimenz and Mort Powell tearing the line to shreds, the Beaver offense rolled up a total of 383 yards from scrimmage. The Tech line, consisting of Hubert Clark and Don Hibbard ends, Bill Libbey and Dennis Long tackles, Milt Strauss and Norman Lee guards, and John Gerpheide center, consistently outplayed the heavy State line and opened up holes which sprung the backs loose for long gains. In the second quarter Schimenz broke loose for a 55-yard run, and later in the quarter scored after a 45-yard run. In the final period Mort Powell raced 65 yards to produce the final Tech marker.

In the final game, Tech experienced little difficulty in administering a 19-0 defeat to Occidental, subduing the Tigers for the second time of the season. With Schimenz, Powell, Wozniak, and Root again spearheading the attack, the Engineers registered 317 yards from scrimmage while holding the Bengals to 61 yards.

The season's results:

Caltech — 7	Redlands .....	13
— 20	Occidental .....	0
— 6	Cal Poly .....	7
— 6	U. C. L. A. JV's .....	0
— 32	San Diego State.....	20
— 19	Occidental .....	0
—	—	—
90		40

At the opening of the new semester, Coach Carl Shy was greeted with a record turnout of basketball men, but found only three lettermen—Jerry Schneider center, Stuart Bates forward, and Dennis Ahern guard—returning from last year's team. However, much material should be uncovered from the 240 V-5 trainees and the 75 civilian frosh who are just entering the Institute this semester.

With all the Southern Conference schools being represented by teams for the first time since 1943, "home

and home" games have been scheduled with Occidental, Pomona, Whittier, and Redlands. Additional contests will be scheduled with U. S. C., U. C. L. A., Pepperdine, and various service units. All home games will again be played at the Pasadena Armory.

The schedule:

Sat. Dec. 1	Whittier	.....at	Caltech
Fri. Dec. 7	Occidental	.....at	Caltech
Fri. Dec. 14	Caltech	.....at	Redlands
Fri. Dec. 21	Caltech	.....at	U. C. L. A.
Sat. Jan. 5	Caltech	.....at	Whittier
Fri. Jan. 11	Redlands	.....at	Caltech
Sat. Jan. 12	Caltech	.....at	Pepperdine
Sat. Jan. 18	Caltech	.....at	Pomona
Fri. Jan. 25	Caltech	.....at	Occidental
Sat. Jan. 26	Pepperdine	.....at	Caltech
Sat. Feb. 2	Pomona	.....at	Caltech

The Institute has just announced the appointment of Mason Anderson to the physical education staff. Anderson was stationed at the Institute as a chief specialist in the Navy V-12 unit from May, 1944, to June, 1945, and coached the 1944 football team which produced such an enviable record. Prior to entering the service, Anderson coached the high school teams at Trinidad, Colorado, Raton, New Mexico, and Colorado Springs, Colorado, to several championships. Having recently received his discharge from the Navy, Anderson took up his duties at the Institute at the opening of the semester on October 29 and at present will supervise the physical education and intramural program and assist Coach Shy in coaching basketball.

## OCTOBER ALUMNI MEETING

By W. H. SIMPSON

THE October meeting of the Alumni Association was a dinner meeting held at the University Club in Los Angeles with Al Knight, class of 1922, as host. In the absence of Charley Varney, the meeting was ably presided over by Allen Laws '26, vice-president of the Association. There were 68 people for dinner, including three members of the faculty and about six guests, which made a fairly good turnout.

The speaker was H. W. Hitchcock, chief engineer of the Southern California Telephone Co. Mr. Hitchcock

had recently returned to the United States after spending a year in the battle areas of Europe in the capacity of a director of communications. His job was to supply communication facilities for all the armed forces and hospitals. These facilities included telephone, telegraph (for coded messages), and manually operated radio networks.

Of the many problems encountered in the tremendous job of maintaining communications, two seemed to stand out as the toughest. For one thing, the field wires were necessarily strung along the side of roads because the fields had not been cleared of land mines. Mr. Hitchcock said the Germans had placed literally millions of mines in very effective locations, doing the damage they were intended to do in a very efficient manner. If it had been possible to string wires across country the work would have been made much easier.

The second problem was an outcome of the first. Because of the fact that wires were strung along roads, communications were continually interrupted by war vehicles of various sorts, breaking the wires when they accidentally left the road. In most cases where the distance between repeater stations was not too great, when a break occurred, a complete new line would be strung between stations rather than take the time to hunt for the interference. As a result of this, the trees, hedgerows, poles, etc., were festooned with miles of wires of various sizes and purposes, making it almost impossible to identify any one line.

Mr. Hitchcock paid high tribute to the men in the armed forces who through their ingenuity were able to erect and maintain communication facilities under very trying conditions.

## DECEMBER ALUMNI MEETING

On December 13, members of the Alumni Association will enjoy a dinner meeting at the University Club in Los Angeles. Mr. R. G. Kenyon, vice president of the Southern California Edison Company, will talk on Labor-Management Relations. Announcements will be in the mail a week or so prior to the date of this meeting.

The January meeting will be held on the 17th of the month with dinner at the University Club. Mr. Verne Orr, Vice President, Chrysler Pacific Corp., will be the speaker of the evening.

The annual dance will be held in February.

## MAJOR EDWIN R. KENNEDY RECEIVES CITATION

Major Edwin R. Kennedy, Air Force, was awarded the Legion of Merit in July by the Commanding General, United States Forces, China Theater, at the Edgewood Arsenal, where he is presently stationed. The citation reads as follows:

"Major Edwin R. Kennedy, O 339 409, Air Corps, is awarded the Legion of Merit for exceptionally meritorious conduct in the performance of outstanding service from 21 May 1944 to 26 January 1945 as technician in charge of producing a gasoline substitute for motor vehicle use in China. Adequate quantities of motor vehicle gasoline could not be brought over the 'Hump' owing to limited air tonnage allotments, and Major Kennedy was brought to China to develop a local product for use as a substitute. After conducting a large number of tests of various fuels, he selected alcohol as the best substitute available in sufficient quantities in China. Although blends of more than ten per cent alcohol and ninety per cent gasoline never before had been used successfully with standard gasoline engines, he succeeded in obtaining efficient operation with blends of seventy-five per cent alcohol and twenty-five per cent gasoline with only minor modifications of government vehicles. The use of this blend resulted in a monthly saving of more than 1,800 tons of air freight, which permitted greater quantities of other vital material to be brought to China and directly increased the scope of combat operations in that theater, which reflects great credit upon Major Kennedy and upon the American military service."

## PERSONALS

Ex. 1923

LIEUTENANT-COLONEL VERNON JAEGER, 91st "Powder River" Division chaplain, arrived in the States on September 11 with elements of his division, veterans of the Italian campaign. Going overseas in April, 1944, Chaplain Jaeger served with the Fir Tree Division throughout the Italian campaign. He won the Bronze Star Medal for meritorious service in support of combat operations in May, 1945. In civilian life, Chaplain Jaeger was pastor of the First Baptist Church, Port Townsend, Wash. His family now lives in Pasadena, Calif.

1927

THOMAS L. GOTTIER holds the position of chief television engineer for the Raytheon Manufacturing Co. of New York, N. Y.

RICHARD DODGE has moved to southern California with his family.

1929

LIEUTENANT-COMMANDER FRANK W. THOMPSON has returned to the