

# C. I. T. NEWS

## SERVICE LEAGUE TO HELP STUDENTS

THE health and welfare of CalTech students and their families will receive greater attention this year than has ever been possible in the past through the cooperative effort of a newly formed California Institute of Technology Service League and the Institute.

Organization of the new Service League, comprising parents of students, members of the faculty and their wives, graduates' wives, associates, and other interested persons, both men and women, was begun last spring. Assisted by Dean Franklin Thomas, representing the Institute, a small interested group met with Institute officials to lay the ground work for the organization and determine the type of program needed. Out of this meeting came a policy-forming committee composed of Mrs. William S. McCay, Mrs. Harold C. Whittlesey (deceased)\*, Mrs. Samuel B. Morris, Mrs. H. S. Simons, Mrs. C. W. Six, Mrs. Morgan Ward, Mrs. Ray Gerhart, Mrs. William S. Long, Mrs. P. K. Walp, and Mrs. R. W. Sorensen.

A four-objective program was outlined. First objective was determined to be that of providing for convalescent care of students. This was given top priority. Second is need for a welfare program among married students with assistance in housing and similar problems. The third objective is that of assisting wives and children of married students and the fourth objective that of giving financial aid to worthy students.

Realization of the first objective, that of providing for convalescent care of students, is already well underway and sometime in December a new CalTech Health Center will be in operation on the campus. This is being established in one of four temporary buildings obtained from the government and now being erected on the campus. The Health Center building will have six beds, 24-hour nursing service, a full time physician, Dr. E. D. Kremers, student health director. Meals will be prepared in student house kitchens.

Membership in the Service League has now increased to more than 60 mothers and fathers of students, members of the faculty and their wives, and friends of the Institute. Letters to parents of students and many others are being sent out by the Service League explaining its objectives and seeking new charter members. Charter membership dues are \$2.00. Checks should be payable to the CalTech Service League and mailed to Box 51, 1201 E. California Street, Pasadena 4, California.

As word of the organization has spread, so too has interest in it. A result has been the offer of Dr. Belle D. Poole, formerly pediatrician on the staff of the Children's Hospital in Los Angeles and now supervisor for Southern California District of the State Maternal and Child Hygiene Department, to personally conduct a Well Baby clinic one afternoon each week at the Health Center for children of married students. The Health Department of the City of Pasadena is also cooperating in this program.

Committees have been appointed to begin work on other objectives of the Service League and to study

\* Mrs. Whittlesey, one of the original and most active organizers of the Service League, passed away May 1 following a heart attack. Mr. Whittlesey, who has also been most interested in the organization, was subsequently extended an honorary membership and recently made a gift of \$100 to the League to help carry on the work his wife had started.

additional services which it may render.

Members to date include the following: Mrs. J. G. Bailey, Mrs. A. Perry Banta, Mrs. E. C. Barrett, Mrs. Henry Borsook, Mrs. R. C. Burt, Mrs. L. A. DuBridge, Mr. and Mrs. Ray Gerhart, Col. and Mrs. E. C. Goldsworthy, Mrs. F. Grose, Mrs. Beno Gutenberg, Mrs. W. L. Hershey, Mrs. F. W. Hinrichs, Mrs. J. S. Johnson, Mrs. L. W. Jones, Mrs. R. R. Martel, Mrs. W. S. McCay, Mrs. J. O. Rasmussen, Mr. and Mrs. C. W. Six, Mrs. M. W. Smith, Mrs. R. W. Sorensen, Mrs. J. E. W. Sterling, Mrs. A. H. Sturtevant, Dean and Mrs. Franklin Thomas, Mrs. Morgan Ward, Mrs. Archibald Young, Mrs. G. I. Billheimer, Mrs. Thomas Fleming, Mrs. H. Holt, Mrs. W. C. Jackson, Mrs. Seeley Mudd, Mrs. W. B. Munro, Mrs. Harold Washburn, all of Pasadena; Mrs. G. W. Beadle, San Gabriel; Mrs. L. M. Powell, Glendale; Mrs. Albert Eschner, Santa Monica; Mrs. O. R. Bulkley, Alhambra; Mrs. Thurlow Heggland, Mrs. S. Y. Johnson, Mrs. E. D. Kremers, Mrs. E. Kruse, Mrs. Foster Strong, Mrs. W. W. Webster, all of Altadena; Mrs. N. Hibbard, Mrs. A. B. McCay, Mrs. W. K. Patterson, all of South Pasadena; Mrs. H. Hitchcock, Mr. and Mrs. H. R. Simons, Mrs. Thad Vreeland, Miss Ann Patton, all of San Marino; Mr. and Mrs. William S. Long, Mrs. S. B. Morris, Mr. and Mrs. P. K. Walp, Mrs. William Godshall, Mrs. J. R. Page, all of Los Angeles; and Mrs. Frank Jewett, Brentwood, Short Hills, New Jersey. Honorary membership, Mr. Harold C. Whittlesey.

## PALOMAR MIRROR NEARS COMPLETION

EARLY IN OCTOBER, work on the 200-inch telescope mirror for the Palomar Mountain Observatory was completed. Dr. Max Mason, chairman of the Observatory Council, stated that: "Our last tests show that we have reached the goal toward which we have worked from the beginning—a parabolic (concave) surface accurate to within two millionths of an inch."

Never before has so large a piece of glass been polished to such accuracy. It has been not only painstaking but nerve-racking work. The closer CalTech astronomers approached their goal the slower the work became, for it progressively called for more and more testing and less and less polishing. A mistake could have set back completion of the mirror for months.

As the goal was approached, Dr. John A. Anderson, who has been in charge of this challenging optical work from the beginning, Dr. Ira S. Bowen, director of the Mt. Wilson Observatory, who will also be director at Palomar Mountain, and other members of the Observatory Council met more and more frequently to watch and discuss progress of the final polishing. New testing methods confirmed the accuracy of previous ones. They assured Anderson and his colleagues that the readings they were getting were as accurate as man can obtain with today's instruments. The final test will come when the telescope is completed and in operation.

November will probably see the mirror's transfer to the observatory atop San Diego County's Palomar Mountain, 130 miles southeast of Pasadena. The mirror, mounted in the cell in which it will ultimately be placed in the telescope, will be packed in a huge insulated wooden box. It will be moved to the observatory by truck and trailer over a route specially designated by state and county highway departments. On portions of the route it will be necessary to set up road blocks and there will be a highway patrol escort for the entire route. The mirror, cell and box will weigh approximately 37 tons.

### WM. HOWARD CLAPP SERIOUSLY ILL

ON A TRIP to the East, via San Francisco, Professor Emeritus Wm. Howard Clapp suffered a slight stroke. Returning in late September to his son's home in Vista, near San Diego, Professor Clapp suffered a relapse, and was taken to the Oceanside Hospital. At press time Clapp is resting comfortably at his son's home.

### REGISTRATION REMAINS LARGE

REGISTRATION FOR the fall term closed late in September with 1320 students, 52 less than last year, enrolled. The freshman class totals 176 students from 23 states and 11 foreign countries. Following a Tuesday registration, freshmen embarked for Camp Radford in the San Bernardino Mountains, returning Friday after 1144 upperclassmen and graduate students completed registration.

Named to the freshman honor section were 20 students, representing three foreign countries, four states and the territory of Puerto Rico. Students from outside the United States are: Kwok-Ying Chong, Perak, Malaya; Uri Retter, Jerusalem, Palestine; Edwin E. Matzner, Cairo, Egypt; and S. E. Rodriguez-Gelpi, San Juan, Puerto Rico.

### FOOTBALL 1947

STARTING EARLY, with a September game scheduled against California Polytechnic at San Luis Obispo, the Beavers are expecting results from the foundation laid last year. Included in the 1947 squad are 16 lettermen, eight of whom were in the 1946 starting lineup and three others who were regulars on the 1945 team but were not in school last year.

Coach Mason Anderson, in his second year at the Institute, will be assisted by Pete Mehringer, who will coach the line, also for the second time.

All schools in the Southern California Conference report a large turnout this year, with more returning lettermen than usual. To discount universal high hopes for a successful season, Redlands, the 1946 champion, and Whittier, the runner-up, appear to be every bit as strong as last year. Pomona and Occidental also expect big things from their 1947 teams.

October 24	Occidental	at Rose Bowl
November 1	Pomona	at Rose Bowl
November 15	*Redlands	at Redlands
November 22	Pepperdine	at Inglewood
* This game will start at 2 p.m. All other games will start at 8 p.m.		

### SAN DIEGO MAN ADDED TO COACHING STAFF

TO PROVIDE additional coaching personnel, the Institute has appointed Edward T. Preisler as freshman coach in football and basketball and varsity coach in baseball. Preisler, who graduated from San Diego State in 1941, was an outstanding athlete at the Aztec school, having made letters three years each in football, basketball and baseball.

Preisler comes to CalTech from Colton, where he coached junior varsity sports. After his graduation in 1941 he coached and taught at Carlsbad Union High School, leaving there to enter the Navy in 1943. While in the Navy as a gunnery officer in the armed

guard he helped organize various leagues and tournaments while ashore in Nova Scotia, France and Italy. He also played on and helped manage the Navy Separation Center baseball and basketball teams at Terminal Island.

In his first assignment, Preisler started freshman football practice on September 29, the first day of school. With an enrollment of 175 in the freshman class, the football material follows the normal CalTech pattern. Only 25 men have had any high school football experience, and perhaps only one-third of these have played on a major high school team. However, frosh material in basketball appears more experienced.

Only four games are included on the 1947 freshman schedule. The opening game with Whittier frosh was played at Tournament Park October 18. Remaining games: Occidental, on October 24; Pomona, November 1; and Pepperdine, November 22; will be played as preliminaries to the varsity games with those schools.

Coach Preisler will be assisted by Neville Long, graduate student, who played on the 1945 and 1946 teams.

### TECH MEN FIGURE IN YALE'S SHEFFIELD CENTENNIAL

CHAIRMEN OF Biology and Chemistry Divisions, George Beadle and Linus Pauling, gave two of four Silliman Lectures at the October Centennial Celebration of Yale University's Sheffield Scientific School. Dr. Beadle spoke on "Genes and Biological Enigmas," and Dr. Pauling discussed "Chemical Achievement and Hope for the Future."

Following the Silliman Lectures, Yale University conferred honorary Sc.D. degrees upon Drs. Beadle and Pauling.

Before returning to the Tech campus, Dr. Beadle met with the Atomic Energy Advisory Committee, of which he is a member, in Washington, D. C.

### LARGEST PEACETIME FACULTY

THE CALIFORNIA Institute has the largest peacetime faculty in its history this year, following the announcement of 75 new appointments for 1947-48. Appointments range from full professors to research fellows, and have been made in every department of the Institute. Among new professors are such outstanding men in their fields as Dr. H. P. Robertson, theoretical physics, who came here from Princeton; Dr. J. G. Kirkwood, theoretical chemistry, from Cornell University; Dr. Max Delbrück, biology, from Vanderbilt University; Dr. Hunter Mead, philosophy, from San Diego State College; and Dr. R. P. Sharp, geology, from the University of Minnesota; as well as many others who will greatly strengthen Tech's teaching and research staffs.

### FELLOWSHIP WINNER PICKS CALTECH

DR. JOSEPH LEIN, Hill zoology instructor at Syracuse University, New York, has been appointed to one of the fellowships established this year for the first time, by Merck and Co., Rahway, N. J., manufacturing chemists. It was awarded by the National Research Council in Washington. Dr. Lein, who received his doctor's degree at Princeton, has elected to work on a research project on the relation of enzyme systems to the biochemical aspects of evolution, at the California Institute.