

CALIFORNIA TECH

California Institute of Technology

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No. 1

Housing Project For Married Vets

Temporary housing will be provided for 56 families of veterans attending the Institute. Four buildings, each containing sixteen units, are now under process of construction on part of the C.I.T. experimental farm south of Arcadia.

Each unit will consist of a living room-food preparation room, a bedroom and a bathroom. Furniture in each unit will include two beds for the bedroom, a sofa-bed for the living room, gas stove and heating equipment, ice-box, dinette table and chairs, two occasional chairs, a chest of drawers and a few smaller items. Eighty per cent of the units will be furnished in this manner with the remainder to be furnished by the occupants. Each building will contain a laundry room. A paved parking area will be provided near each structure.

These buildings were originally constructed for war workers at Port Orchard, Washington, and have been shipped to the C.I.T. experimental farm as an emergency measure. The completion date is expected to be about the first of next year.

The Housing Office reports more than 200 applications on file. A faculty committee will select those students whose need for housing seems to be most urgent later this year. According to Mr. Hertenstein of the Buildings and Grounds Office, each unit is expected to rent for \$25 to \$35 monthly. Veterans with wives and children will probably have priority.

Mr. Stott, assistant comptroller, and Mr. Hertenstein, Superintendent of Building and Grounds have been working very

Institute May Buy Tournament Park In Expansion

Caltech may have additional research facilities, class rooms, a swimming pool, gymnasium and new student houses if plans now under discussion materialize. Two weeks ago Dr. DuBridge and members of his staff met with the Pasadena Board of Directors and members of the Planning Commission to discuss the purchase of Tournament Park from the City of Pasadena.

Dr. DuBridge noted the need for continued expansion of the Institute's facilities if it is to continue as one of the outstanding scientific schools in the world. In acquiring Tournament Park, urgently needed space for additional student houses and athletic facilities would also be made available.

The student body at Caltech has for many years desired a gymnasium. There are yet a few details to be ironed out before a new gym is available. First, a fair sale price is to be established by the City Manager and Board of Directors of Pasadena. Second, should the price be acceptable to the Institute, the people of Pasadena would have to vote on the proposition in the coming March election and pass it by a two-thirds majority.

There are several other items to be taken care of before the results of these efforts are visible but the student body may rest assured that definite plans and discussions are under way to provide for Caltech's growing needs and continued expansion.

closely with Dr. DuBridge in speeding completion of Caltech's Veteran Housing Project.

New President Addresses Student Body In Meeting

Dr. DuBridge Welcomed at First Meeting of Term

In his initial address of the school year, Dr. Lee A. DuBridge extended a warm welcome to the entire student body.

Dr. DuBridge stressed the prominence which Caltech has gained throughout the world of science and the responsibility of each student and faculty member in being associated with this school.

Frosh Attend Camp In Return To Prewar Policy

The school year got off to a big start with the renewal of Frosh Camp held at Camp Radford in the San Bernardino mountains.

After registration last Friday, 170 Freshmen were loaded into busses for the ninety-five mile trip to Radford. Following an excellent dinner under the supervision of Miss Bunton, the Frosh were welcomed by Dr. Robert A. Millikan, who spoke on the history of Caltech. Dean Foster Strong introduced faculty members and ASB Prexy Lang Hedrick offered a welcome on behalf of the Student Body.

The Saturday schedule included numerous sport activities, talks on student government, the Honor System, and extracurricular activities. A seminar on "How To Study" was delivered by Dean Strong. That evening songs were sung to the accompaniment of a brave little band whipped up by Johnny Brockman. Songs included "If I Had a Daughter," "Fight Men," "Hail C.I.T.," and the "Alma Mater" anthem. Next the Frosh were given the sports picture followed by a talk by President Lee A. DuBridge on the future of Cal Tech.

After "Y," Director Wes Hershney conducted Chapel Service on Sunday, Prof. Wallace Sterling enlightened the Frosh on the subject, "Can a Scientist or an Engineer Avoid Being a Citizen?" after which everyone departed for the baseball diamond where the Frosh held the Faculty to an exciting tie (5-5).

Through student leaders who organized and directed Frosh camp together with the Faculty Members present the Frosh enjoyed many rich bull sessions. In addition to those mentioned the faculty was represented by Chuck Auerbach, W. P. Bunnelle, D. S. Clark, Tom Davis, Harvey Eagleson, Paul Engelder, L. Winchester Jones, Peter Kyropoulos, Harry Lass, F. C. Lindvall, Neville Long, W. H. Pickering, R. W. Sorenson, Franklin Thomas, and Morgan Ward.

After dinner, the following Frosh Officers were appointed for the first term, after which an election will be held:

David Warren, President; William Cox, Vice-President; Don Royce, Treasurer; Bill Couch, Secretary; John Reber, Board of Control; Bruce Hedrick, Publicity; Charles A. Norman, Athletic Manager.



DR. LEE A. DuBRIDGE

"Education," he said, "is hardly a commodity that is purchased over the counter. The Institute only provides you with an opportunity to educate yourselves. The Faculty, the buildings, the laboratory equipment are at your service. But the educational process is up to you.

"There is more to a college than just its Faculty, its buildings and its equipment. There is an intangible atmosphere and spirit to a good college that stimulates and enhances the educational process. That spirit, to a great extent, is determined by the attitude of the Faculty and Administration. But even more, it is determined by the students.

"What contributes to a good spirit? First of all, I believe it is friendliness—friendliness among students, friendliness among Faculty—friendliness between Administration, Faculty and students. We are all here together working for a common goal. We will reach our goal more surely and have a better time in the process if friendliness and understanding are watchwords.

"A second feature of good spirit is a well-rounded student life. We are here, of course, primarily for an education in the intellectual sphere. But life is more than that. Man is a physical, a spiritual, a social as well as an intellectual, creature. A giant intellect in the body of a weakling is one whose power may never be fully felt. A great intellect without spiritual balance may be a menace to society. And one without at least an increment of social grace and consciousness will be lonely, un-

happy and ineffective."

Dr. DuBridge continued to say that the school was just recovering from the disruption caused by the war and that it would be up to the present student body to bring back old traditions or start new ones. He stated that the school now had a total of 1358 students which was 40 per cent greater than the previous record and that 80 per cent of those registered were veterans.

After touching upon the shortage of experienced teachers, the lack of laboratory and classroom space and the housing situation he proceeded to formulate the major objectives of the students.

"You are here, of course, to prepare yourselves for life. The Institute is here to assist you in that process.

"In many ways the problem is simplified by the fact that you have already chosen the career which you wish to follow—you want to be scientists—in one of the pure or applied branches. On this choice of career I wish to congratulate you. To a scientist the most interesting thing in the world is science. And he gets paid for doing it—not much, perhaps; but most get enough to struggle along on—and some really do pretty well. But the important point is that you can earn a living having fun! That is a privilege that not many people can enjoy.

"The scientist has yet another satisfaction. He knows that the work he is doing is of vast importance to mankind. It is true that the little corner of pure or

Continued on Page 4

High Jinks And Fun For Techmen Rodeo, Brawl, Talent Featured

It is with pleasure that the Student Body officers glance over the proposed schedule of extra-curricular activities for the coming term. It has been a long while since all of these funfests were staged. Most of the students on the campus have not seen a Rodeo—The Frosh-Soph Mud Brawl. They will, however, on November 7. How long has it been since the last big Pajamarino? Well, you will only have to wait until October 23 when you will be served dinner in Tournament Park, parade uptown in your loudest pajama and laugh at the best play in town.

More than this, though, there will be weekly assemblies; the kind which will bring out local talent, distract you from your books for a while, or acquaint you with what is going on in colleges such as Oxy or Pomona.

As an example, consider the assembly a week hence, October 18. Andre Previn, 17-year old piano virtuoso who at present has a year's contract with the Frank Sinatra show, will appear together with a few girls from the MGM studio. That does not sound as though it should be shunned. Come out to this little show and give the officers a chance to prove that these assemblies are not totally worthless.

Here, in a nutshell, you have some of the highlights of the year's activities. Your student body officers will work hard to make these a success; do your best by showing up at these activities.

Registrar's Office Enlarged

Dean Jones In New Location

The Registrar's office has recently been enlarged and divided into two sections to handle the great volume of work caused by increased enrollment. Those concerned with admissions and having business with Dean Jones personally should go to Room 113 Throop, the new front office. For other information, records, registration, and so forth, visit Room 119 the old office, where Miss Drake assistant to the Registrar, and her staff will gladly help out. Dean Jones, in his new locale, is continuing his policy of always welcoming visits from students who wish to see him.

Latest figures from the Registrar's office show 788 undergraduate and 570 graduate students registered, a total of 1358, the largest enrollment in the history of the Institute.

The California Tech

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Assistants

Journalism Class To Be Organized

A number of students have requested that a class in journalism be formed. In keeping with this request, an organization meeting will be held for En 15a, in Room 211, Dabney Hall, at 7:30 P.M., October 15. All students interested in THE CALIFORNIA TECH are cordially invited to attend. No previous experience or training is necessary. The course carries three (3) units and will be open to members of the journalism class.

G. R. MacMinn
212 Dabney Hall.

SCRIPPS TO HOLD OPEN HOUSE

A week from today, Friday the 18th, all four houses will be the guests of the four halls at Scripps. During rotation house functions are out and it was thought that this would be a good way for our new men to meet the beautiful maidens of Scripps. During rotation, house will be a sport dance with emphasis on meeting as many people as possible.

Supersonic Wind Tunnel Planned

Work on a new addition to the aeronautics laboratory of the Guggenheim Graduate School is now in progress, with preparations being made for removal of the old structure at the east end of the lab. To be erected at a cost of \$150,000, the new building will house a hypersonic wind tunnel which will be used for studies of projectiles at higher-than-sound speeds. In addition, its five stories will contain classrooms for Army and Navy officers training in the special laboratory. Equipment valued at \$90,000 will be installed in the building.

The Cooperative Wind Tunnel, financed and owned by four southern California aircraft companies, but operated by the Institute, has operating conditions to cover speeds up to the velocity of sound. This new addition, therefore, will extend the field of research, and serve to maintain Caltech's position of supremacy in the world of aeronautical science.

THE SQUARES' CIRCLE

For all of those who feel that a letter from the editor is a bit strange and should more properly be to him, there is something quite definite they can do. In lower Throop a collection box will be found in which letters to the editor may be deposited. As a matter of fact, editors also appreciate a little mail now and then. A few weekly notes and complaints, suggestions and criticisms will be gladly received.

Every week this column, "The Squares' Circle," will be devoted to the editor. Let's hear from everybody—your editor will make this your column according to your ideas and suggestions. Have any questions, amusing stories about happenings around the campus, criticisms to pass on, or need information?—Just drop a note in the "Letters to the Editor" box. Letters will be picked up every Tuesday for the current week's paper. We'll do our best to print all your letters.

Items Of Interest For Caltech Vets

There are now over 1000 veterans, including undergraduates and graduates, enrolled at Caltech. This paper realizes that veterans have many special interests such as insurance, loans, other benefits of the G. I. bill, and veterans' activities, and intends to publicize such items. If any of you have helpful hints or information, put them in the "letters to the editor" box in lower Throop. Questions are also welcome, and we'll do our best to find the answers. We do not have a card punching service, but if your unpleasant past experiences can benefit others, send them in too.

Because of a revision of the G. I. insurance law, vets can now provide for the payment of their National Service Life Insurance to the beneficiary in a lump sum. Forms are not yet available, but the change-over can be made by merely writing to the Director of Insurance at the VA insurance office in New York City.

If no action is taken by the veteran in this respect, the law now makes it possible for the beneficiary to have the policy paid in monthly installments over a period of not less than 36 months.

Tech Tau Beta Pi Resuming Normalcy

Tau Beta Pi, national honorary engineering fraternity, marked its return to peacetime status by once again holding its annual convention. On October 3, 4, and 5, at Columbus, Ohio, the Ohio Gamma chapter of Ohio State University played host to the delegates. Tech's California Beta chapter was ably represented by its Vice-President, C. Burton Crumly, who reported on convention proceedings at a meeting last night. Among the many questions discussed in Columbus, one of particular interest to Techmen was consideration of the University of Southern California's petition for a chapter.

Tech's chapter expects to return to pre-war size and operation by the end of the fall term, with elections of new members to be held soon. Officers for the coming year are Dave Douglas, President; Burt Crumly, Vice-President; Harold Hipsch, Recording Secretary; Carter Sinclair, Corresponding Secretary; and Jonas Brachfeld, Treasurer.

Five Engineering Societies Combine

The Consolidated Engineering Society of C.I.T., consisting of the American Society of Mechanical Engineers, the Society of Automotive Engineers, the American Institute of Electrical Engineers, the Institute of Radio Engineers, and the American Society of Civil Engineers, invites all students, from freshmen to graduates, to attend its initial meeting to be held on Friday, October 25, at 11:00 a. m. in 201 Bridge.

The speaker will be Mr. Wallace Lineville, formerly chief automotive engineer of the General Petroleum Co., who will deliver an informal talk with demonstrations on fuels and lubricants. Some of the topics to be discussed will be "New Oils" and "Reducing gasoline consumption of the automobile." If time allows, questions from the floor will be welcomed.

The S.A.E. will hold a special meeting on Monday, October 14, at 4:00 p. m. in Room 206 ME. Mr. Peter Kyropoulos, of the mechanical engineering department, will deliver a post mortem on the 1946 Bendix Trophy Race. Since Mr. Kyropoulos was a consultant for Jackie Cochran, he will be able to give us first hand information on the problems involved in such a flight. All students interested are invited to attend.

Student Federalists Renew Activities

After a brief lapse, due to the summer vacation, Student Federalists are back on campus and rarin' to go. The Tech chapter, initiated largely through the efforts of Howard "Bits" Morgan, a Navy trainee last spring, will again become active with a meeting scheduled for next Wednesday, October 16, at 8:00 P.M., in Dabney 206.

Although Bits has left us, we have several charter members left and would like to see everyone at the meeting. For those readers who have not heard of the Student Federalist organization, a short review of its origin is in order.

At the start of the war, a Scarsdale, N.Y., high school student by the name of Harris Wofford was listening to Clarence K. Streit, founder of the World Union, over the radio, and became interested in his proposals for a federal world government. Harris joined this adult organization, but soon found that they had not provided for a student division. He, therefore, proposed a student branch to this parent organization, which was started. After some time there was a conflict in regards to the policy of the two groups, and the SF was launched as an individual organization.

Its purpose is four-fold: First, to stimulate thinking on the urgent need for federal world government; second, to educate our generation in the principles of federalism; third, to find, train and organize the necessary leaders; and, fourth, to support all proposals which embody the minimum essentials of federal world government.

The organization has no political representation whatsoever, nor does it desire any. Its activities are largely educational, through literature, meetings and debate. The Tech members welcome everyone to the organization who has any interest at all in his future as a world citizen.

The Honor System Will Continue To Function at Tech

A great deal has been written on the Honor System at Caltech, and much has been said about it. However, most of this information can be boiled down to a simple statement: The members of the faculty trust the students, and the students trust each other.

An instructor once remarked that the only thing wrong with the Honor System is that the faculty has the honor and the students have the system. Thankfully, there is less wisdom than wit in his words; it works and it works well. In fact, no other tradition of the Institute is observed with more pride and respect than is the Honor System.

There is a time and a place for everything, and, in many of the service training programs, "cooperate and graduate" was the motto of a necessary and accepted practice. This is neither necessary nor accepted at Tech, and no attempt should be made to carry it over. When in Rome.

Too often, a valuable tradition dies out because its benefits are taken for granted and no effort is made to preserve it. This can happen to the Honor System. Unfortunately, every man has his price, and a few men set theirs so low that they will cheat for grades at the expense of others. Only force or the threat of force will control these individuals, and the command of that force lies with each and every student. No one will play poker with the man who cheats. Should anyone compete or make his friends compete with the man who cheats in school?

West Point Officers Take Graduate Course

For the first time, Caltech has been chosen by the army as one of ten schools in the country to which regular army officers will be assigned for graduate work. The first group of fourteen engineer corps officers, after taking refresher work this summer, are now entering regular graduate sections for a one-year course in civil engineering leading to the degree of M.S. These men, all West Point graduates who have seen active service, include two colonels, 10 lieutenant-colonels and two majors.

New Housing Office Busy Since Opening

The housing office, Room 112 Throop, although only open for a month, has become one of the busiest places on campus. A visit there revealed that 447 applications for rooms were received, of which 110 were placed in the student houses after the great doubling up. A total of 171 applicants were placed off-campus with the help of a door-to-door and telephone search for rooms. Most of these were singles, with married couples still having difficulty finding space. Those lucky enough to do so are paying from \$50 to \$55 a month for rooms. (no inflation, huh?)

The housing office appreciates the cooperation of students in finding spaces for rent, especially for married couples with children, in whose interest little luck has yet been had. Anyone knowing of an opening is requested to relay the information to Room 112.

Debate Team Now Being Organized To Participate In Intercollegiate Meets

The National Intercollegiate Debate Question Committee has chosen the following question for the school year 1946-1947: Resolved—The Federal Government should revise its labor legislation in order to control strikes and industrial disputes.

The Caltech chapter of Pi Kappa Delta forensic fraternity has brought out many winners in the past under Coach Ray Untereiner. This year the debaters will be under the excellent supervision of Mr. Schutz, who has great plans for the school team.

The first intercollegiate meet will be held at Compton College on Nov. 15-16. All men interested in debating should see Mr. Schutz in Dabney Hall and sign up for English 12a. The time of classes will be arranged later.

Introducing New Resident Associates

Fleming this year welcomes as resident associate, Neville S. Long, former member of that house. Long entered Caltech in 1941 and graduated under the Navy V-12 program in the fall of 1944. Following completion of Midshipman's School at Camp Endicott, Rhode Island, he was transferred to Guam, where he served as construction officer in the See Bee's. After being separated from the Navy last spring he instructed Surveying and Descriptive Geometry at UCLA during the summer months, and has now returned to Tech to work for his Master's in Civil Engineering.

Being an ardent athlete himself, Neville has a great interest in seeing Fleming carry on its long-standing tradition of excellence in athletics. As an undergraduate at Tech he played varsity football and has recently returned from fishing in the High Sierra and Puget Sound.

Resident associate of Dabney for the coming year will be "Chuck" Auerbach, a U. of California man. After graduating from Berkeley in '42, Chuck entered the Coast Artillery Corps. Going to England in February of '44, he entered Normandy on D+8 as a battery commander. He is now headed for his Master's in Chemical Engineering.

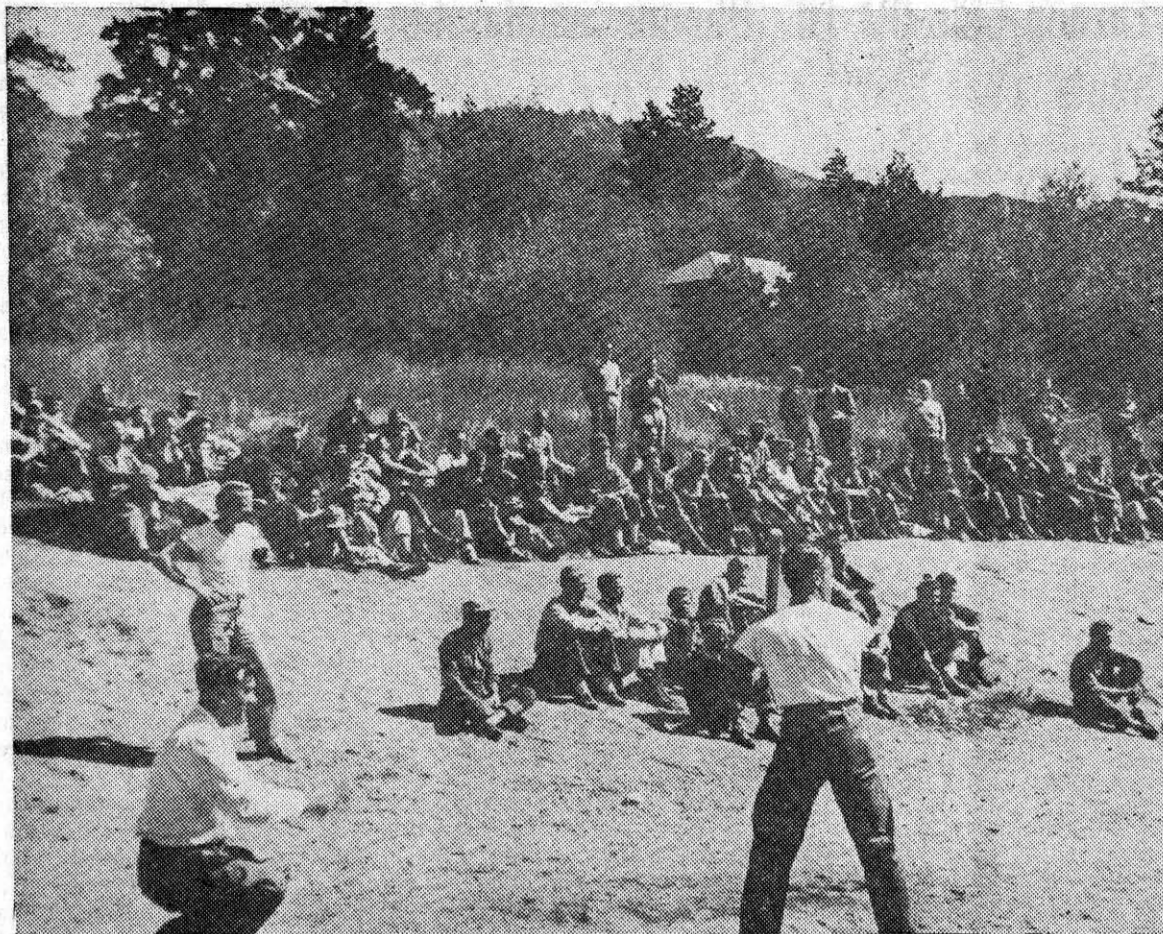
Chuck expressed confidence in the merits of the student house system, and is greatly interested in seeing the Houses restored to their one-time status as close-knit social groups. He feels this can be done in spite of the present overcrowded condition.

A good baseball player, Chuck also has a flair for song writing. Hollywood is after one ballad which he has copyrighted and it is rumored that he has several more in the "diamond-in-the-rough" stage.

The new resident associate of Blacker House is Thomas V. Davis, a former Techman. Mr. Davis graduated from Tech way back in the early days (in 1938). While here he was editor of the Big T.

Mr. Paul Engeldar is at present the resident associate of Ricketts House. He is also a former Tech student and during the war was a major in the Marine Corps. He is now carrying on with further work here and has been at Ricketts since March of this year.

At the time the paper went to press Tuesday night, Mr. Engeldar could not be found for more information.



DR. STERLING CATCHING FOR THE FACULTY IN THE FACULTY-FROSH BASEBALL GAME HELD AT CALTECH'S FROSH CAMP

Football Team Preps For Opening Game With Oxy

55 Men Work Out Under Coach Anderson

Paced by five returning lettermen, the 1946 Tech football machine moved into action during vacation week with intensive morning and afternoon drills. Head Coach Mason Anderson, and his new line coach and assistant, Pete Mehringer, have been working overtime to get the men in shape for our opening game with Oxy on Oct. 25. About 55 men

Discobolus In Possession Of Blacker House

The Discobolus begins the term in Blacker House. For those interested but ignorant, the Discobolus is a statue of a Greek athlete about to throw a heavy disk. It is our local interhouse trophy.

Last term the Blacker football machine led by Captains MacLean and Funk won the Discobolus from Ricketts by a score of 18 to 6. In this term the talent may be more evenly distributed because Funk has moved to Fleming.

Blacker, by the rules of the trophy, will accept any challenge in any five-man sport from any other house (including Throop, of course). The winner of this contest would naturally possess the Discobolus and in turn accept challenges.

Athletic Dept. Plans Big Sport Season

Director Musselman's PE department has prepared for a busy season. A new man, James Merrie, has been added to the staff to take charge of intramural sports and gym classes. Besides the regular gym classes there will be special tennis classes under the direction of Mr. Lamb, who was here last spring. Also new, Pete Mehringer, former Kansas State tackle, has come to help Anderson train a fierce football team. The intercollegiate sports of the term will be football, coached by Anderson and Mehringer; cross country under Dr. Haines, and water polo instructed by Bob Merrick.

have turned out, and this year's squad should be one of the best in Tech's football history.

Lettermen Return

Among the returning lettermen from the 1945 squad are Don Hibbard, end; Dennis Long, tackle; George Lyon, Guard; and Ed Winters, quarterback. Returning from the undefeated, unscored-upon team of 1944 is Norm Lee, a stellar guard.

New Men Look Good

Men that are playing at Tech for the first time include Doug MacLean, a powerful fullback, and Glenn Chaffee, Bob Funk, and Chuck Shaller, competing for the halfback positions. In the line there is formidable Bob Walquist, who weighed in at 235; Bass, an experienced tackle; and speedy Ken Parten at end.

New Men Welcomed

Coach Anderson, in a statement early this week, urged all men with a real desire to play ball to turn out for the team. This applies particularly in the case of freshmen, who will comprise our teams in the years to come. New men should report to the daily drills, which start at 4 p.m.

Season Outlook Is Bright

Although we are starting later than most of the other schools this year, we can look ahead with confidence toward the coming season. If the enthusiasm and will to win of the football team can be matched by that of the student body, this should be a record year in Cal Tech sports.

Football Schedule—1946

Oct. 25—Oxy, here, 8 p.m.
Nov. 2—Whittier, there, 8 p.m.
Nov. 8—Redlands, there, 8 p.m.
Nov. 16—Pomona, there, 2:15 p.m.
Nov. 23—Pepperdine, there, 8 p.m.

Sports In Brief

Sign Up Now

The following sports are on the way, and all men with ability are urged to sign up at the earliest possible time.

Varsity Football—

Nightly drills at 4 p.m. Sign up with Coach Anderson on the field or in Room 14T.

Varsity Basketball—

Practice starts in early November. Carl Shy will again handle the squad. Sign up with Mr. Musselman in Room 14T.

Water Polo—

There will be intercollegiate water polo if enough men sign up. Practice will be at the PJC pool. See Mr. Musselman.

Cross Country—

This year Tech will field another good cross-country team. Join such returning veterans as Bill Lundy, Gene Fisher, and Bud Carroll by seeing "Doc" Haines on the field any evening after 4 p.m.

Eligibility Rules

Mr. Musselman has announced that this year all freshmen and transfer students will be eligible for varsity sports, following the conference procedure. Next year, he announced, Tech will field the traditional freshman teams.

Inter-house Sports

The schedule of inter-house sports for this term was announced as follows:

Softball—Round-Robin schedule, starting October 21.

No 1946 "Big T" Available Monday

The 1946 "BIG T" has not yet been distributed to all the qualified students. You must have paid your last year's A.S.B. dues to be eligible. The annual will be distributed from Oct. 14 to 18, inclusive, in the "Big T" office in Lower Fleming during the hours 1230-1300 and 1930-2000. Please be there during that time; unclaimed annuals will be offered for resale after Oct. 18.

Cross-country Run—Three meets, October 29, Nov. 1, and Nov. 8.

Basketball—Round Robin schedule starting Nov. 12.

Last Week
Teams of our conference fared rather poorly last week, with Redlands being the only winner. The Red and White trounced La Verne College severely in something approaching a track meet. Pomona did not fare as well, losing to San Antonio J.C., 32-0, while Whittier was beaten by our neighbor, Muir J.C., 13-10.

Bruin-Indian Game
Besides the local "Battle of the Bookstore," the big sport event of the week should be the UCLA-Stanford game in Los Angeles. It is estimated that over 80,000 spectators will be on hand when the favored Bruins meet the new Indian team. Meanwhile, Oxy plans to expend some of her questionable power on Cal Poly.

Ski Club Plans Active Season

The Tech Ski Club will be very active this winter, with prospects of an early snow, after last week's flurry above 6000 feet.

Larry Brundred, president, announced earlier this week that a meeting will be held some evening within the next week or two. Some excellent skiing movies will be shown, and a business meeting will be held afterwards. Everyone, regardless of their skiing status, is invited. Notice of the date will be posted on the Ski Club's bulletin board in lower Throop.

The Ski Club's hut, located at Snow Valley, 90 miles from the campus, on the highway between Lake Arrowhead and Big Bear, has been improved since last season, with the installation of a fireplace and a light plant. Further improvements are being planned, and will be finished shortly.

As well as the fine accommodations offered at the hut, the Ski Club provides a transportation pool and free instruction for members by experienced skiers.

Several races will be held this season, including the annual Lilly interhouse event, interclub races, and intercollegiate contests.

A special week-end playday is planned for members and dates. Although the hut will be the center of many week-end jaunts this winter, short trips to Mt. Waterman, just 35 miles from Pasadena, are easily arranged through the club.

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TEAM EQUIPMENT

CAMP EQUIPMENT

SWIM TOGS

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DuBridge States Responsibilities Of Scientists To Society

Continued From Page 1

applied science which any one man can occupy may often seem of relatively minor import. But we still know that we are a part of a great company of men and women whose collective work down through the ages has laid the physical basis for lifting mankind from slavery to freedom, from superstition to knowledge, from want to plenty.

"With every privilege goes responsibility — the greater the privilege the greater the responsibility. And if the scientist is privileged above most other men, his responsibilities are correspondingly heavy. They are of two sorts—his responsibility to science and his responsibility to society.

"The responsibilities to science are perfectly clear to the scientist—they will become abundantly clear to you in the course of your study. Briefly they are to uphold the great traditions of science — intellectual honesty, rigid objectivity, scientific freedom and the mutual collaboration and companionships with other scientists throughout the world.

"The scientist's responsibilities to society are less tangible, less easily defined, and more frequently overlooked. But they are no less important—and require

your careful thought and study.

"Broadly speaking we may say that the scientist's responsibilities to society are two-fold: first, to see that science serves the needs of the society in which it is embedded — and which supports it; second, to assist society to use the fruits of science more effectively to promote its own welfare.

"It is unnecessary to expound the fact that the knowledge and techniques of science can be used not only to improve civilization—but also to destroy it. Society must choose how it wishes the products of science to be used. But the scientist, serving in his capacity of citizen, can make important contributions in assisting society in making this choice."

Dr. DuBridge drew his talk to a close by repeating a saying of his college physics professor: "A true scientist or the true specialist in any field is simply a broad man sharpened to a point."

The address was concluded by emphasizing the progress made by the Institute under the leadership of Dr. Millikan since 1921 and hoping that the future would be one of continued progress in assisting able men to train themselves for leadership in science, in engineering and in society.

Fran Kelly Swingposium featuring symphonic jazz. Also, the revolutionary band of Boyd Raeburn got its deserved break with a prolonged engagement at the Club Morocco.

If you haven't heard Woody Herman's orchestra yet, it's a "must" for this week-end. (Avadon Ballroom, 9th and Spring). His dance music is excellent, and his jump numbers feature the country's greatest jazz artists—Flip Phillips, Bill Harris, Pete Candolis, and others. The biggest attraction, of course, is Red Norvo on vibes; surprisingly, people who have come to dance crowd around the bandstand demanding more encores from the great jazz figure. The Herman Herd displays unbelievable pep and vitality, and the popularity of its jump music has changed the band policy of the Avadon management, which is even toying with the idea of engaging Count Basie's band in winter.

The musical outlook for this fall is somewhat dim. The Wilshire Ebell Theater has some fine concerts lined up featuring the Janssen Symphony Orchestra and famous soloists. The San Francisco Opera Company season begins in a few days at the L.A. Philharmonic Auditorium. Dance music will be on the mickey side with bands like Jerry Wald's and Eddie Howard's (now at the Casino Gardens), while jazz is in for a serious setback.

On the 15th (Tuesday night) the Pasadena Civic Auditorium will rock to the solid rhumba rhythm of the Lecuona Cuban Boys. This hot little band displays pep that is completely unmatched by any combo anywhere around town.

Throop Gets Off To Super Fast Start

Big Stag At 8:00 P. M. Throop Lounge Tonight

The Throop stag tonight promises to be a greater-than-ever success in offering an opportunity for off-campus men to get acquainted and to have a good time.

Throop Club is zooming up to and beyond pre-war levels of membership and social activity, and, in contrast to the past two terms, it can no longer be called a "married men's club". Incoming single students, unable to find rooms in the student houses, have joined up in unexpected numbers, thereby accepting Throop Club as the center of their social and athletic activities at Caltech.

All off-campus men, single or married, where members of Throop or not, are cordially invited. Attending the stag does not place you under any obligation to join the club. The function of this event is to promote good-feeling and fellowship, not to snag new members.

Entertainment and refreshment will be amply provided in the form of roulette, a game called craps, movies, hard cider, doughnuts, and big seegars for everybody.

Throop continues its social program next week by an exchange dance with one of the local schools. All Throop members interested in attending are urged to sign up early for dates. It'll be a great chance for you single men to meet some nice local girls.

Caltech Plans For Open House Again In Social Program

Hope To Renew Policy Of Being Host To Public

The California Institute of Technology hopes to renew its open-house policy during the present school year. In pre-war days, open house at Caltech saw the campus overflowing with many curious sightseers. Some came to be able to say they had visited Caltech. Many were interested, from a layman's point of view, in the spectacular demonstrations given.

The hi-voltage laboratory drew

Rhodes Scholarship

How about trying for Oxford —after winding up this year at Caltech?

Elections to Rhodes Scholarships were temporarily knocked out by the war. This year they are to be resumed. If you are interested, talk with Professor Judy about the good things offered. Do it soon. Applications must be in before the end of October.

For war service candidates, certain conditions of eligibility have been altered. These applicants may be between the ages of 19 and 32 on October 1, 1947. The usual bar against marriage is removed for veterans, and the customary requirement of two complete years of college training has been dropped to one year. Veterans attending Oxford will receive not only the usual stipend but also benefits under the GI Bill of Rights equivalent to those which they would receive in an American college.

There is no restriction on a Rhodes Scholar's course of study. Oxford offers about the same variety of instruction as any American university.

You can find full details in the announcement on the bulletin board in Dabney Hall; better still, see Professor Judy.

many gasps of amazement. The liquid air demonstrations were enough to cause many a head to be quizzically scratched. On display was the 200-inch telescope. This is still being ground and may once again be open to the public. Many other demonstrations, too numerous to mention here, were conducted throughout the laboratories and lecture rooms on the campus.

A special day was set aside for high school students during which they were able to visualize themselves as future scientists and engineers at Caltech. Now that the war is over and the shield of secrecy has been lifted, Caltech may once again throw open its doors so that all may gaze upon its wonders.

Vacation Notes

The recent respite from classroom drudgery found Techmen seeking relaxation in a variety of ways.

John Seagrave and Dick Ferrell, scorning luxury, armed themselves with sleeping bags, and made off jeep-wise on a tour through Sequoia and Yosemite National Parks. They were somewhat chagrined when an aggressive bear at Yosemite made off with five pounds of precious meat.

Bob Kenney, after flying home to Portland, Oregon, kept posted on Caltech by beaming his kilowatt ham transmitter in this direction. Roger Chambers stayed here and kept Kenney informed (of course).

Eric "One Gun" Peterson has returned after having surveyed various parts of Oklahoma for the Soil Conservation. Just another Chem major working out of his option.

G. H. Grey, using the theory that it would be a rather longish business to travel 14,000 miles round trip in order to go home, occupied himself in and around the Huntington Library.

Bob Stappler, with excellent timing, lounged in the crisp, rare air of the mountains for a week, and then spent the other week recuperating.

Bob Ferguson made special week-end trips from Santa Barbara, ostensibly to check his mail (or was it his female).

Sol Feferman wasn't talking, but after a great amount of adroit probing, we established that he spent the summer.

Vince Honnald was seen in Cananea, South-of-the-Border, sipping "sonora swamp water". Sudden mysterious business called him back to Manhattan Beach. "No comemnt."

Music Baedeker

With the beginning of the old grind we are again confronted with the important problem of seeking proper entertainment to relieve our minds of the weariness instilled by intellectual efforts. Unfortunately, worldly pleasures are becoming more costly from day to day, so that expenses for the average Tech roue are becoming prohibitive. However, the recent slump in night club and ballroom business promises a letdown on the prices in the world of entertainment.

The summer musical season in Los Angeles was one of the most successful in recent years. "Symphony Under the Stars" blowouts marking another anniversary for the Hollywood Bowl attracted unprecedented masses; the Greek Theater in Griffith Park busted B.O. records with favorite operettas. The country's top dance bands crowded the floors in spite of the summer heat. Southern California had them all—Duke Ellington, Woody Herman, Benny Goodman, Tommy and Jimmy Dorsey, Les Brown, Lionel Hampton, Stan Kenton, Tex Beneke. Smaller combos and single artists flooded Hollywood and vicinity with fine jazz. Barney Bigard, Eddie Heywood, Eddie Beal, Benny Carter, Lucky Thompson, Art Tatum, and the trios of Slim Gaillard, Vivian Garry, Les Paul, Allan Reuss, and Red Callender attracted L.A. jazz fans in droves. Two fine concerts marked the trend toward more serious appreciation of jazz—Duke Ellington's bash at the Shrine and the

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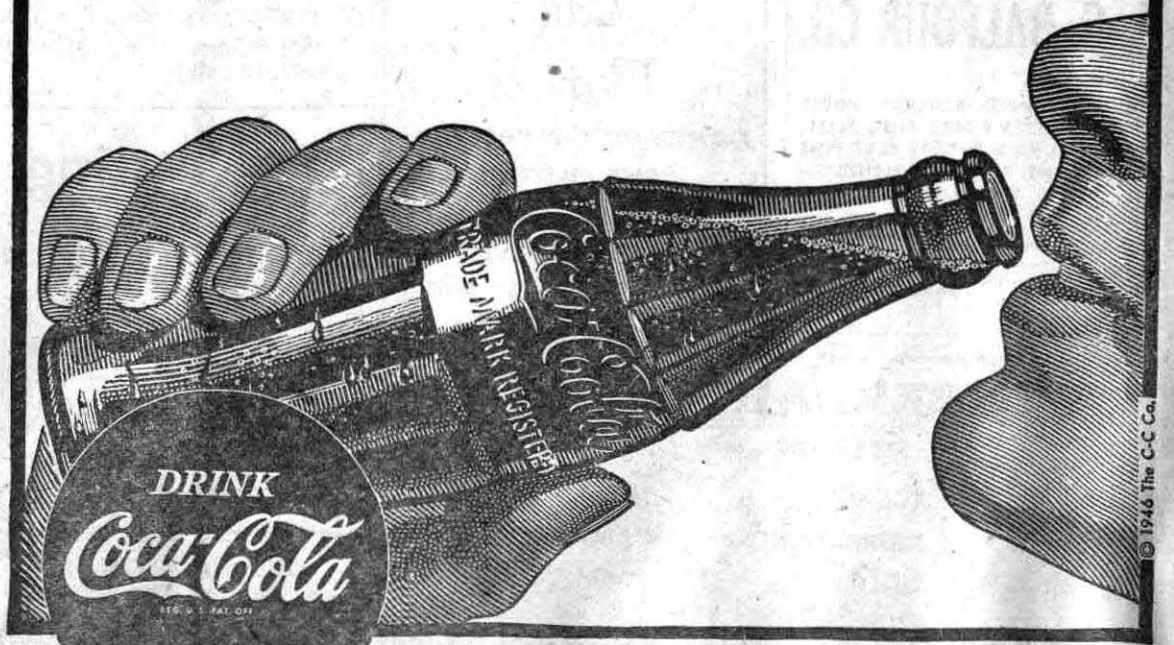
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