

Electorate To Choose First Rep At Polls Today

Aroused Beavers Tie Poets, 6-6

Come From Behind;
Outpower Favorites

Bang-up playing mixed with sloppy ball handling featured the 6-6 deadlock with the Whittier Poets last Friday night on the muddy Rose Bowl gridiron.

Engineers Look Good

The fighting Engineers in no way looked inferior to the highly rated Whittier eleven, namely earlier as the most potent team in the conference. Coach Anderson's men played hard, but all the breaks seemed to fall to the Poets, who were put in scoring position three times when the Techmen couldn't hold on to the slippery pigskin, and the Poets recovered deep in Beaver territory. Twice, too, fumbles ended strong Engineer attacks, and four pass interceptions, with sparkling play by "Buck" Jarnagan, Poet fullback, ran up the total of good fortune for the Whittier squad.

Poets Score

The lone Poet tally was set up early in the second half when Jarnagan intercepted a pass from McLean, brilliant Tech back, on the Tech 26-yard line. (Continued on Page 5)

Student I.R.E. To Meet Wednesday

The Student Branch of the Institute of Radio Engineers will hold a business meeting for the purpose of electing officers and discussing plans for field trips and other activities during the coming year. The meeting will take place next Wednesday, Oct. 22, 1947, at 4:00 p.m. in Room 206, Dabney Hall.

All students, including freshmen, with interest in any branch of electronics are invited to attend; those not yet members may apply for student membership at the meeting. Advantages include free subscription to the Proceedings of the I.R.E. and the opportunity for contact with established members of the profession through the Los Angeles Section of the Institute of Radio Engineers.

Baby Clinic

Dr. Belle Dale Poole, Medical Officer of Maternal and Child Hygiene, State Public Health Department, and formerly pediatrician on the staff of Columbia University, College of Physicians and Surgeons, has kindly offered to conduct weekly clinics without charge for children under two years of age of married students of the Institute not having a personal physician.

The clinic will be held in Room 102 Kerckhoff on Tuesdays, beginning Oct. 14th at 4:30 p.m.

Campus Calendar

Thursday, October 16—
Upper Class Luncheon Club at the Training Table, 12:00.
Throop Club Meeting, 12:20.
Orchestra Practice in Culbertson Hall, 7:30 p.m.
Glee Club, 8:30 p.m. in Dabney Lounge.
Blacker-Dorsey (Scripps) Exchange Dinner, there.

Friday, October 17—
Blacker Stag.
Dabney-Browning (Scripps) Exchange, there.
Fleming-PJC Exchange.

Saturday, October 18—
Blacker Theater Party.
Dabney Club Barn Dance.

Monday, October 20—
Class Meetings at 11 a.m.
Varsity Club Meeting in 206 Dabney, 7:30 p.m.
Tau Beta Pi in 101 Dabney.

Tuesday, October 21—
Band Rehearsal in Culbertson Hall, 7:30 p.m.
Christian Science Organization, 7:30 p.m.

Wednesday, October 22—
Fresh Luncheon Club at the Training Table, 12:00.
Dancing Class in Culbertson Hall, 7:30 p.m.

Thursday, October 23—
Upper Class Luncheon Club at the Training Table, 12:00.
Throop Club Meeting, 12:20.
PAJAMARINO, 7:00 p.m., at Tournament Park.



The evils of drinking were extolled to patrons of the Pasadena bars and the Playhouse last Wednesday night, when Tech Varsity Club initiated new members. Shown are two gaily-decked recruits attempting to keep two patrons from going astray.

Frosh To Elect Section Leaders Tomorrow

Friday morning, Oct. 17, is the date set for the Frosh section elections. Each section will elect a section leader at its first meeting on that date.

"Each section leader will represent his section in all academic matters," Dean Strong told a Tech reporter in a recent interview. "The nine section leaders will form an informal Dean's Cabinet."

Section leaders should report to Dean Strong in his office as soon as possible after the election.

Tech Offers Help To Needy Students

Need help in getting through school? Many men do, although Uncle Sam is doing his bit for a large portion of the Institute's enrollees. Those who are not fortunate enough to be on their Uncle's payroll have to depend on their own money. Often some student is completely unable to get through school without some aid.

In past years the Institute has been helping out by direct half or full-tuition grants on the basis of grades. However, due to the inequability of this system, last year the committee gave honor standing to all undergraduates having a grade point average of above 2.5.

On Basis of Actual Need

Men with honor standing are eligible to apply for a tuition grant. The committee then divides the money available among the applicants on the basis of actual need.

Although an attempt is made to be completely impartial, many men are bound to be disappointed. For instance, last year there was only \$15,000 available and the amount requested by the eligible students was \$24,000. Under these conditions not everyone could be satisfied and it was up to the committee to decide whose needs were really urgent.

Book Store Contributes

The money available comes from three sources. A major portion comes from grants to the Institute. Some of the grants are invested and only the income may be used for student aid. The Institute's general fund supplies some of the rest; the remainder comes from the book store's profits.

BOXES . . .

Five boxes per day per Freshman, remember?

"You'll hate yourself later if you don't get 'em," quoth Dabney enforcer Muehlberger.

Frosh Reception At DuBridge Home

The Freshman class was entertained last week-end at the home of Dr. and Mrs. L. A. DuBridge. Half of the class was received on Saturday afternoon, and half on Sunday afternoon. Among others to welcome the freshmen were Dean and Mrs. Foster Strong, and a group of young ladies from Westbridge.

Refreshments were served and an air of cordial informality prevailed throughout the afternoon.

First Term Throop Social Program To Feature Hay Ride

Throop Club opens its Social Season on October 18 with a Barn Dance. This first event will include the traditional features plus a number of added attractions.

Bob Benton, club presy, and his assistant, John Kostelac, have the lowly freshmen slaves breaking their backs doing the fall haying and promise to have the Old Hay Mow fixed up in fine shape.

In case anyone has time to visit the stall at the west end of the barn he may be surprised by the bale of hay loaded with some very "interesting" refreshments.

Unfortunately, lighting will be so lousy that you may trip over something, but there will be so much hay around, no one will get hurt (maybe).

Additional Records Obtained
Special records have been "acquired" to augment the excellent and well-known record library of the club. There will be a fascinating variety of mood music available.

For those who would like to have dates arranged for them, a Date Bureau is operating in the Club Lounge.

Social Program
The social program for the remainder of the term is:

Oct. 21—Open House after game.

Nov. 1—Open House after game.

Nov. 6—Interhouse Dance.

Nov. 21—Radio Party.

Nov. 29—Hayride.

Pomona Exchange

The Exchange Dance at Pomona College on Saturday, Oct. 11, was held in Blaisdell Hall from 8:30 to 12:30.

Original plans called for 35 girls and 35 Throop men. When 55 girls signed up the houses were called in to provide the excess. Eventually 75 couples arrived.

The girls decorated the hall and Throop provided Coke and (Continued on Page 2)

Pajamarino Next Week

Frosh to Guard Boxes In Tournament Park

Thursday is the day! The Pajamarino is the event. This is the big show put on by the Rally Committee for the game of the year, the Tech-Oxy game. Dinner will be eaten in Tournament Park. Off-campus men can buy meal tickets for 70c. They go on sale today.

Pajamas Required

After the evening meal there will be songs, yell, skits in which the audience will participate, and prizes for the best pajamas. Start now; get the most brilliant pajamas you can find. Wire them for multicolored lighting effects and show the citizens of Pasadena some Tech ingenuity. Sometime during the performance the bonfire will be lit. It is the duty of the Freshmen to "acquire" an outhouse. This will repose on top of the brazier as a tribute to Oxy.

Following the ritual bonfire there will be a parade downtown in which everybody will participate, pajama clad. At one of the local theatres there will be entertainment in the form of the P.C.C. Highlighters. Connie Boswell will sing, and there will be women, women, women!

Guard Duty

Starting Monday the Frosh will begin sentry duty in Tournament Park so that no Oxy man shall profane one sacred splinter of our bonfire-to-be. All Frosh who own, beg, borrow, or appropriate sleeping bags will find themselves sleeping in Tournament Park. An invitation has been extended to all Oxy men to attempt premature kindling of this traditional blaze, and there are a few optimists who think they can do it. To thwart these arsonists there will be an elaborate alarm system, floodlights, four houses full of guys eager for the Oxy scalp; and just in case, fire hoses.

All Classes To Meet Monday At 11

Individual class meetings have been scheduled for 11 Monday morning, Jack Ottestad, Rally Committee Chairman, announced today.

Pressing items of business will be taken up at each session, it was disclosed, including the allocation of large quantities of dues.

The Seniors will meet in Culbertson to discuss coming class activities for the year, including the prom.

Organize Mudeo

Juniors will meet in Dabney Hall Lounge. Most pressing business will be the organization of the Mudeo, traditionally "run" by the Juniors; the prom, and also the disposition of last year's considerable surplus finances.

Sophomores will meet in 206 Dabney and Frosh in 206 Dabney to organize themselves for their coming encounter in the annual Mudeo and loser-sponsored dance.

Glee Club Plans

A Musical Year

TECH'S GLEE CLUB has organized. Meetings are every Thursday night at 8:30 o'clock in Dabney Hall Lounge. Any man who likes to sing, or thinks he can sing, is strongly encouraged to join.

A tentative program, outlined by President George Drapes, anticipates assembly-entertainment, a Christmas program, and some inspiring exchange schedules.

Come and sing, you stout-hearted men!

Mittenthal, Smyth, Woods Vie For Important Position

Winner To Take Over Social Program For Coming Year

Today all undergraduates and all graduate members of the ASCIT go to the polls between 12:30 p.m. and 4:30 p.m. to fill the vacancy of First Representative-at-Large, necessitated when Bill Shippee, elected to the office in the general ASCIT election last spring, resigned at the beginning of this term. Three candidates are running for the office: Bud Mittenthal, senior class president; Bill Smyth, acting First Rep; and Bill Woods.

©candidates will be found elsewhere in this issue.

Duties of First Rep

The office is one of the most important offices of the student body and the qualifications of the candidates should be carefully noted before voting. The principle function of the office of First Rep involves organizing and carrying out the social program of the student body. In addition, the First Rep is a member of the Honor Point Committee and any such other committees as may be stipulated by the Board of Directors. Finally, the First Rep is an active member of the Board of Directors of the ASCIT.

Where to Vote

The polling places will be slightly different this year in that polling booths will be located west of Throop Hall. Between the hours of 12:30 and 1:15, the following polls will be open:

- The four student house courts.
- Throop Club.
- In front of Dabney Hall of the Humanities.
- In front of the main library in Bridge.
- Fleming-Ricketts Court.
- In front of Dabney Hall.

From 1:15 to 4:30 p.m. the following two polls will be open:

- Fleming-Ricketts Court.
- In front of Dabney Hall.

Remember, it is the privilege as well as the duty for ALL ASCIT members to vote for First Rep. today, Thursday, between 12:30 and 4:30 p.m.

Statements of candidates will be found on Page 2.

DuBridge To Get Scientific Award

A 1947 Award of the Research Corporation of New York for outstanding scientific achievement will go to Dr. Lee A. DuBridge, President of the California Institute of Technology, and will be presented at a dinner in his honor Nov. 3 at the California Club, James R. Page, Chairman of the Institute Board of Trustees, announced today.

Dr. DuBridge was chosen to receive this award, which carries with it a plaque and a \$2500 honorarium, "for his outstanding scientific achievements in directing the Radiation Laboratory of the Office of Scientific Research and Development in the field of microwave radar research, development and application to na-

(Continued on Page 3)

Geology Club Throws Coed Field Trip

The first coeducational field trip of the current season was held by the Caltech Geology Club last Sunday in a mountainous part of Altadena. Despite intermittent rains during the early part of the afternoon, more than sixty members of the department, including faculty, students, wives, families, and dates, spent the afternoon investigating the geologic properties of a barrel of beer and vast quantities of assorted food.

President Robert White of the Geology Club emphasized, in a statement for the press, that in the future more attention will be given to this type of field trip, and less to the more technical aspects of geology.

Got Your Big T?

A number of students have not picked up their 1947 Big T's. Any man who paid his ASCIT dues three terms last year is entitled to a Big T and may pick his up from Joe Green in room 11 Dabney House.

A few copies of this annual are still available in the bookstore at \$5.00 for those not lucky enough to rate a free one.

The California Tech

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EPHEMERAE

Candidates Statements . . .

The office of First Representative is one of the more important at Tech. As the social chairman of the school, he has the job of dragging you from your snake holes, as well as other duties in the Board of Directors.

As for qualifications, I feel I am well qualified for the job. I helped organize the Fleming House social program this year; also I have the necessary time this position requires and deserves. One final note:

While the success of any social program depends on the cooperation you fellows give it, I intend to give you a social program which you will want to support.

Bill Woods

The most important task of First Rep is that of arranging the ASCIT social events. These affairs can round out the social program admirably by the use of imagination and variety in their planning. Although they are less frequent than house affairs, being for everyone, there are more resources available to put them on in style. Some of these social events should be of a rather unconventional style to keep things from getting monotonous. This institution may not be a country club, but that does not bar us from taking advantage of its small size to effect a gay social season.

Bud Mittenthal.

Fellow Students:

Today is Election Day. It is the day you should exercise your privilege of electing a student who will represent you. Please, think clearly. Then, get out and vote for Bill Woods, Bud Mittenthal, or myself.

Last year I worked with Bob Barracough when he was in office and then with Bill Shippee while he was in office. This year I am acting as First Representative by appointment of the Board of Directors until the election is held. I like this work. I hope you will elect me to continue serving you in this capacity.

Bill Smyth.

THROOP CLUB

(Continued from Page 1)

cookies.

The party was supposed to break up at 11:30 but the chaperones generously consented to give the girls an extra hour because everyone was having so much fun.

vides if nothing else.

Still Open

By the way, positions on the TECH are still open . . . if a few more were filled, we wouldn't be quite so worried about now (1:45 Tues. A.M.) about the 90-odd inches of blank space still confronting us.

Once the sports season gets rolling, however, a lot of that space will take care of itself, we hope. As for this issue—since it's the largest (excepting Rivets) on record in some years, don't be surprised if there are a few imperfections . . . we certainly won't be . . .

But once the machinery gets oiled up, look for improvement: More cuts; more meat; less filler, and higher quality.

—LEN.

Campus Brewin's

It has been increasingly difficult to write this miserable column lately due to the sad lack of social activities on this campus. Some students have been driven to actually hitting the books while others with a little more imagination have conducted their social life off campus and hence, more undercover. My back aches from peeking through keyholes and looking under tables. It has been suggested that the pulchritude level of Techmen's dates has fallen so low that they are ashamed to bring them around, but the IHC's ruling against social events during rotation on the grounds of proselytizing, is a possible cause.

After the Whittier game there was an open house in each of the houses. The football players, mostly dateless, were around munching cookies. Part of our girl cheer leaders were present. Most of the couples enshrouded in darkness, were rolling around on couches in front of the fireplaces.

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Thursday, October 16, 1947

A Report To The Members Of The ASCIT: Where Your Money Goes

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| Here's the picture of where it went from July 1, '46, to June 30, '47. |
| Dues—Summer '46 \$2030.00 |
| First term—797 students at \$5.20 \$450.00 |
| \$1.00—Athletic admissions \$797.00 \$159.40 |
| .20—Tax \$797.00 |
| 1.00—Athletic contribution \$1594.00 |
| 2.00—ASCIT \$797.00 |
| 1.00—Incl. Calif. Tech \$1594.00 |
| 1.00—Big T \$797.00 |
| Second term—787 students at \$5.10 78.20 |
| \$1.50—Athletic admissions 391.00 |
| .10—Tax 1173.00 |
| 1.50—Athletic contribution 1564.00 |
| 2.00—ASCIT 782.00 |
| 1.00—Big T 1137.00 |
| Third term—758 students at \$5.00 1137.00 |
| \$1.50—Athletic contribution 42.00 |
| 1.50—ASCIT 1516.00 |
| 2.00—Big T 4.00 |
| Graduate student dues |
| ON THE RECEIVING END WE FIND: |
| The Athletic Dept. \$1188.00 |
| The Collector of Internal Revenue \$237.60 |
| The Athletic Dept. (Team uniforms and equipment) \$3107.00 |
| The ASCIT \$6367.00 |
| The 1947 Big T \$3099.00 |
| The 1946 Big T \$450.00 |

THIS IS HOW WE DID BUSINESS FOR THE ASCIT FROM JULY 1, 1946, to JUNE 30, 1947—All bills which ordinarily would have been received after June 30, 1947, have been billed to the proper accounts and set up in accounts payable.

| | Expense | Income |
|--|-------------|--------|
| General ASCIT Dues | \$ 6,367.00 | |
| Other income | 12.25 | |
| Surplus from past administrations | 620.57 | |
| Fund (built 60% this year) to replace caps and gowns | 1,763.98 | |
| Fund to be used for a swimming pool | 301.13 | |
| Gift to CIT for a swimming pool | 19.95 | |
| To write off bad debts from the past | | |
| Awards | | |
| Athletic awards—sweaters, certificates, etc. | 1,269.03 | |
| Athletic banquet | 151.13 | |
| Other awards—Debate, Honor Keys, etc. | 157.82 | |
| Social Program | | |
| Officer's Banquet | 94.27 | |
| The dancing class | 45.80 | |
| Fresh Tea Dance | 12.30 | |
| Fall Semi-Formal (free to you)—Officers were janitors | 381.53 | |
| Riviera Sport Dance (free to you) | 462.50 | |
| Spring Formal (free to you) | 418.63 | |
| Shipwreck Dance (you didn't support it) | 203.76 | |
| Tri-School Dance (bids)—Oxy sagged on this \$3,072.78 affair | 136.17 | |
| Social Chairman's expense | 15.00 | |
| The California Tech | | |
| Income outside ASCIT—Advertising, allotments, gifts | 3,446.71 | |
| Cost of 30 issues | 4,626.44 | |
| The Big T | | |
| Income from 1946 Big T | 395.31 | |
| 47 Big T Income outside ASCIT—Ads, etc. | 2,058.83 | |
| Dues allotted to '47 Big T | 3,099.00 | |
| Cost of 1947 Big T | 5,567.57 | |
| Publicity | | |
| "The camera deal"—The money from the gift of the Class of '24 was uncovered and split into \$5128.80 & \$150. The \$150 went directly to the California Tech for the purchase of new office equipment, on the basis that it would be matched by a portion of the bookstore profits: \$150 from CIT. With the balance of the gift | | |
| Plus the profits from the 1947 Little T | | |
| We bought a complete camera & insurance for it | | |
| ASCIT photo service (using the camera) | | |
| Publicity Committee—Athletics, Dances, Honor System | | |
| Activities | | |
| Debate—trips to schools, etc. | | |
| Glee Club | 196.00 | |
| Band | 25.63 | |
| Greek Play | 24.29 | |
| Busses to take students to football games | 79.35 | |
| Pajamarino | 168.46 | |
| Mudeo | 20.00 | |
| Rally Committee—Assemblies, rallies, etc. | 298.99 | |
| Election expense | 10.02 | |
| President's expense | 11.02 | |
| Office expense—Phone, stationery, stamps, etc. | 342.72 | |
| To make the balance | | |
| Money in checking account | \$ 2,064.11 | |
| Money in savings account | 2,008.78 | |
| Bonds | 222.00 | |
| Petty Cash | 76.70 | |
| Accounts receivable | 1,937.92 | |
| Accounts payable | \$ 3,333.94 | |
| SURPLUS (6-30-47) | | |
| Checking Account | \$ 2,064.11 | |
| Savings Account | 2,008.78 | |
| Bonds | 222.00 | |
| Petty Cash | 56.70 | |
| Accounts Receivable | 1,937.92 | |
| Total assets | \$ 6,289.51 | |
| Last year's surplus | \$ 620.57 | |
| Fund to replace Caps and Gowns | 1,763.93 | |
| Accounts Payable | 3,333.94 | |
| Total liabilities | \$ 5,718.49 | |
| The difference is our surplus for '46-'47 | | |
| The total surplus becomes \$1,191.59. | | |

While it looks like a successful year to have a \$500 surplus, it must be remembered that we took in \$2,000 in dues during the summer of '46 when there were only minor expenses, plus \$400 from the 1946 Big T. This means that for a standard three term year we would go into the hole \$1,900. Next year we will have a share of the bookstore profits to fill in this spot and by the time the bookstore starts losing money prices should be low enough that we don't need an extra stipend.

CIT is also saving us \$80 by auditing our books for us. All the members of the Board of Directors have consistently pinched your pennies, and at the same time with higher prices we have had more activities than we can find record of. We took the opportunity to buy a complete 4x5 Speed Graphic Camera so that our publications could get good pictures. We sidetracked extra funds into the California Tech for sorely needed typewriters, etc. We organized the biggest and socially most successful dance in our Conference, learned a lot with a small loss on a big risk, and hope to push an all-Conference dance next year. We have gained a lot of know-how that has educated during the war, and we are trying to write it down as well as teach it to the new student leaders. And when the every Director's G.P.A. has suffered especially in having to untangle things from years back, I know I speak for all the officers of last year ('46-'47) when I say that we were proud to serve the A.S.C.I.T.

Respectfully submitted,

R. C. (Dick) Alexander
Treasurer, ASCIT.

Note: Most of the accounts payable were paid during the summer.

DU BRIDGE AWARD

(Continued from Page 1)
tional defense," Dr. Joseph W. Barker, Research Corporation president, stated.

Twenty-eight Volumes

Chosen in 1940 to head the Radiation Laboratory at the Massachusetts Institute of Technology, Dr. DuBridge served as its director until January, 1946. Twenty-eight volumes reporting work done at the Radiation Laboratory under Dr. DuBridge's direction are now being published and are being heralded as the "bible" for all those working in that field.

The dinner honoring Dr. DuBridge is being held jointly by the Research Corporation and the California Institute of Technology Board of Trustees and will be attended by members of the California Institute Associates and other friends of the Institute and the Research Corporation. Dr. Barker will come to Los Angeles to make the presentation.

In his acceptance address on "The Story of Radar" Dr. DuBridge will give an account of his experiences at the Radiation Laboratory during the war.

Assigned Patent Income

The Research Corporation dis-

tributes its earnings through grants for the advancement of science. It was organized in 1912 through the foresight of Dr. Frederick Gardner Cottrell, who assigned to the Corporation valuable patent rights in the field of electrical precipitation. Other public spirited inventors have assigned valuable patent rights to the Corporation which increase its net earnings. In one of these, Vitamin B1 synthesis, Dr. Edwin R. Buchman, now of the staff of California Institute of Technology, was a co-discoverer and donor with Dr. R. R. Williams and R. E. Waterman. A large part of the net earnings of this patent supports research in the combat of dietary deficiency diseases.

Three professors of the California Institute, Dr. D. M. Yost and Dr. E. R. Buchman, chemistry, and Dr. G. D. McCann, electrical engineering, are currently doing work under grants from Research Corporation.

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THE CALIFORNIA TECH

Caltech Musicale Resumes Activities

The first meeting of the Caltech Musicale was held last Friday in Dabney Lounge for the purpose of outlining activities for the coming school year and electing new officers.

Sunday Concerts

The Caltech Musicale membership consists of a group of students interested in good music, both classical and modern. A superb collection of recordings is available for the use and enjoyment of members in the lounge of Dabney Hall. Concerts are given every Sunday night between 7:30 and 9:30 and both students and the outside public are cordially invited to spend two pleasant hours listening to their favorite selections.

Noon Concerts

This year concerts are also to be given every noon hour from Monday to Friday. Musical selections during these concerts will include the more popular classical compositions, and Tuesdays will be devoted to the presentation of American jazz and folk music. Sunday evening programs will be posted on all campus bulletin boards, while noon programs will be found posted in Dabney Hall.

Membership Encouraged

Freshmen or upper classmen interested in joining the Musicale should obtain membership cards from the Dabney Hall librarian and have them signed by Dean Thomas and one of the officers of the Musicale. Dean Thomas' office is in Throop Hall, while Musicale officers may be contacted in Dabney Lounge any noon hour.

The newly elected officers for this year are Zablow, president; Susskind, vice-president; Feferman, program chairman; Valle-Riestra, record chairman, and Forrester, business manager.

The Front Burner

—Lewis L. Grimm

(The first in a series of articles attempting to give Techmen a closer insight into the varied laboratory and experimental activities going on at the Institute—Ed.)

The personnel of the Institute, exclusive of students, today numbers 1750. This figure grew from 300 or 400 during the thirties, to a war maximum of 4000. The annual expenditures of the Institute amount to 6½ million dollars, which, although smaller than the wartime peak of 36 million a year, is still large compared to the prewar two million.

Much of the Institute's work is still off campus. Of the seventeen buildings we had in Pasadena during the war, we now use but one, however we still operate completely the 100 buildings at the Arroyo Seco Project (J.P.L.). The desert or Inyokern program has been entirely turned back to the government. This is because, unlike the Jet Propulsion Lab which we are now turning increasingly toward pure fundamental research, the desert work dealt only with practical military applications.

The over-all Tech program covers a wide diversity of projects.

These are approximately 200 special research funds ranging in size from \$1000 to \$300,000 and in addition about 40 research contracts.

Jet Propulsion Lab is financed to \$3 million annually by the Army Air Forces, Army Ordnance, O.N.R. and the U.S. Engineers, and operated by a Tech staff of 500. Although the land and buildings are government owned, there are no Federal employees on the project.

Wind Tunnels. The Co-operative Wind Tunnel located at 35 S. Raymond receives for the major aircraft manufacturers, but is run entirely by Caltech employees. Two other tunnels are under construction: The big supersonic one at J.P.L. and the new GALCIT hypersonic tunnel on campus. (Army Ordnance funds.)

Azusa-Guam. Under Navy contract, a complete scale model of Guam harbor, housed in a half acre building, is being studied hydrodynamically. The site is 19 miles from campus.

National Infantile Paralysis Fund. This is an example of a project carried on in more than one of the seven divisions at Tech; it is divided between the Chem. and Biology Divisions.

Nuclear Physics and Cosmic Rays. (\$200,000 and \$77,000 programs respectively) as well as other important programs are supported by O.N.R., an office created by the Navy just after the war's end to sponsor fundamental research.

The Rockefeller Immunology Fund supports one of the oldest projects on campus. Related research, in Chemistry, is also being carried forward under governmental grants.

The Analog Computer built by the Institute at a cost of \$65,000, has just begun use.

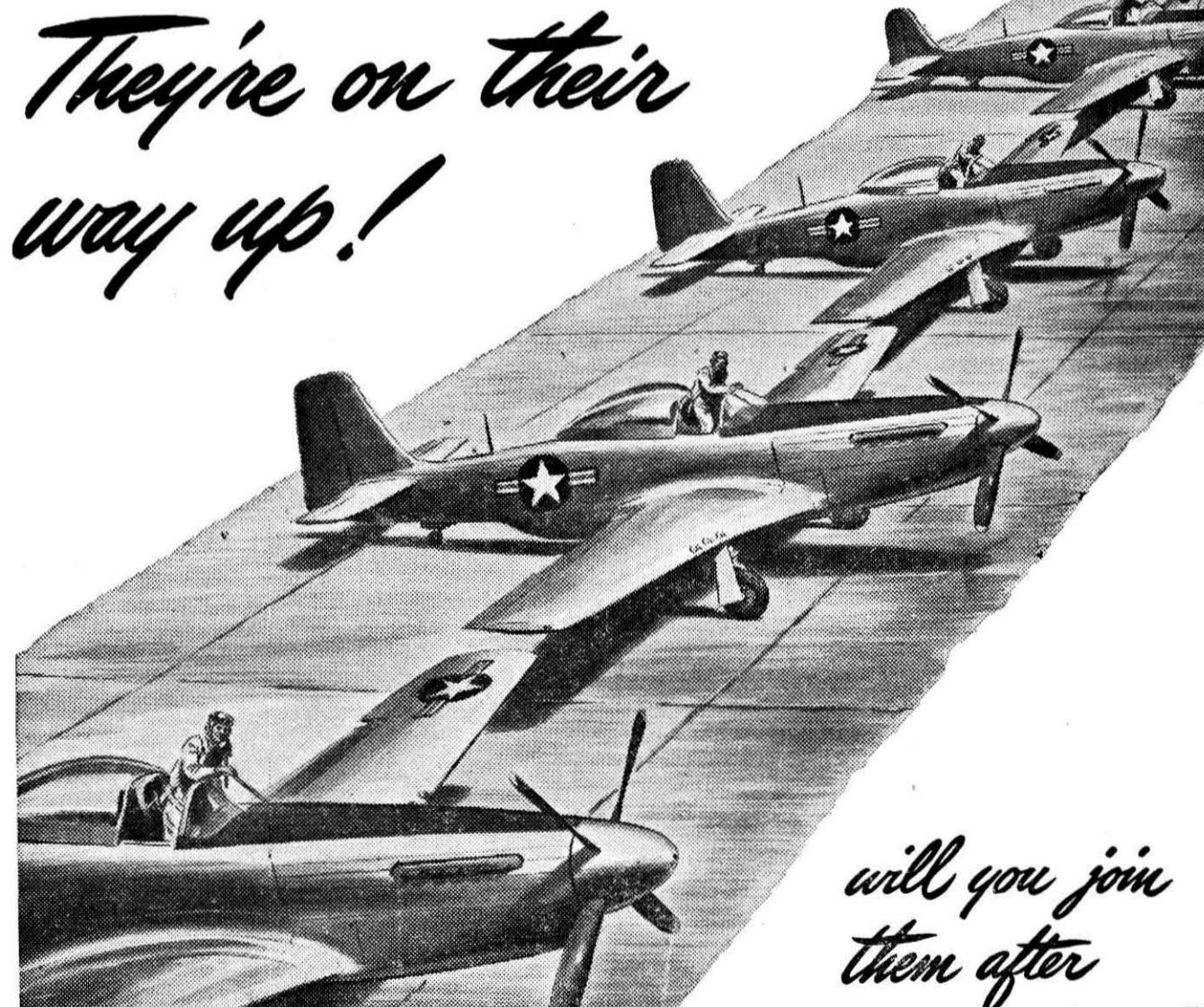
The Hydrodynamics Lab financed by Navy Ordnance, is at present completing construction of a high-speed water tunnel.

Last but not least, **the 200-inch Telescope.** Details of its completion now, 11 years after it was begun, are well known, and an excellent description of its mounting is available in the book store. When finally in use it will considerably increase Tech's astrophysics activities.

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You probably know a number of men in your class who were pilots in the wartime Air Force. They are the best advertisements for the Aviation Cadet program. Talk with them about it.

Chances are, they'll tell you their service as pilots was one of the most interesting and exciting phases of their lives. Fast action, comradeship, and the chance to serve their country paid them dividends they don't forget . . . added something to their stature and poise that they couldn't have gotten anywhere else.

Cadet life today is no different. As a potential pilot in the new U. S. Air Force, you serve at a time of equal importance to the nation. Freedom, responsibility, the chance to use your own initiative are all yours.

The training you get is the finest your government can provide — \$35,000 worth for every Cadet.

You're taught by skilled instructors, fly the best airplanes. Your living facilities are excellent.

Learning to fly today opens profitable fields to you in aviation — which is expanding more rapidly than at any other time in history.

Pilot training is open, now, to single men, 20 to 26½ years old, who have completed at least one-half the credits for a degree from an accredited college or university — or pass an equivalent examination. Cadets completing the course will be commissioned Second Lieutenants, ORC, and assigned to active duty as pilots with the Air Force. During their tours

Pep Rally Primes Pre-Game Rooters

A pre-game pep-rally at last Friday's assembly put the polish on Caltech's cheering section. A rousing program, led by the Roehm Roustabouts, got everyone in the right spirits. Of course, five beautiful songleaders and our supreme band helped, too.

Between practice yells several speakers enlightened Techmen on how the cheering section was to contribute the most to the game. Jack Scantlin gave the details on the card stunts and tried vainly to explain them to the freshmen. Bud Mittenthal then outlined the half-time activities and stunts, mainly concerning a Model-T that spewed beer bottles all over the field.

In a more serious vein, Coach Anderson expressed his wish that the spirit of both the team and its rooters would be at a peak that night. It is well to notice that we did hold Whittier to a tie.

Faculty Women's Club Announces New Officers

The Faculty Women's Club of the California Institute of Technology held its first fall meeting on Oct. 1 at the Athenaeum. Dr. L. A. DuBridge spoke to the group on "Caltech Today."

Announced as officers of the club for the coming year are Mrs. A. Perry Banta, president; Mrs. C. G. Niemann, vice-president; Mrs. Chester Stock, recording secretary; Mrs. Bruce Sage, corresponding secretary, and Mrs. Richard H. Jahns, treasurer. Mrs. F. C. Lindvall has been named hospitality chairman, Mrs. G. W. Beadle, program chairman; Mrs. Ernest E. Sechler, membership chairman, and Mrs. V. A. Vanoni, organization chairman.

En Garde

Caltech fencers will hold their second meeting of the season Wednesday night.

Those interested are welcome to come down to Room 15 Dabney Hall at 7:30 to see some fighting. The club can take on a few new members and would like to do so immediately in order that a team may be formed to participate in outside competition this winter.

Mel Hickey, Room 4, Dabney, has full particulars if you want to hear more.

Touché!

CAMPUS PARKING

(Continued from Page 1) rules and avoid further notice and subsequent fines."

If this notice fails to get response, further notices may appear. These subsequent notifications include fines.

If you are assigned to one of the on-campus spaces and find an alien car in it, notify Capt. Chas. M. Sayers at the Guard House. He will dispatch an officer to your space to issue a warning or fine or remove the car at once, if possible.

Space Applicants

The demand for campus parking spaces has been many times the supply. Consequently, the only members of the student body whose applications have been accepted at this time are seniors living in the student houses.

If you are a student and applied for a place and do not qualify under this regulation, you will not be able to obtain a place at this time. As spaces become available, notice will be given.

New Appointments Increase Faculty

The California Institute of Technology will have the largest peacetime faculty in its history this year, Dr. Lee A. DuBridge, president, said recently, when he announced 75 new appointments for 1947-48.

"Among our new professors will be such outstanding men in their fields as Dr. H. P. Robertson, Theoretical Physics, who comes 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 many others who will greatly strengthen our teaching and research staffs," he said.

New appointments are as follows:

Professors: Max Delbrück, Biology; John G. Kirkwood, Arthur Amos Noyes, Professor of Chemistry; Hunter Mead, Philosophy and Psychology; H. P. Robertson, Mathematical Physics; Robert P. Sharp, Geomorphology.

Visiting Professors: A. Erdelyi, Mathematics; Lloyd A. Jeffress, Psycho-biology; M. G. Mes, Biology.

Research Associates: Walter S. Adams, Astronomy and Astrophysics; Charles E. Bradley, Biology; Donnel Foster Hewett, Geology; Albert E. Longley, Biology; Simon Ramo, Electrical Engineering.

Lecturers: Henry Dreyfuss, Industrial Design; James Alexander Noble, Metalliferous Geology; Hampton Smith, Petrology; Simon Ramo, Geology.

Associate Professors: Pol Duwez, Mechanical Engineering; Paul Conant Eaton, English; Norman H. Horowitz, Biology; Ray D. Owen, Biology; Rodman W. Paul, History.

Assistant Professors: William J. Bobisch, Civil Engineering; Paco Lagerstrom, Aeronautical Engineering; Beach Langston, English; Henry F. McCreey, History; W. Duncan Rannie, Mechanical Engineering; Charles H. Wilts, Applied Mechanics.

Senior Research Fellows: Arthur W. Galston, Biology; Theodore Thomas Puch, Biology;

Blacker Schedules Three Parties

Blacker's social season will open officially this weekend with plans calling for an exchange, a stag, and a theater party.

Following close on the heels of the entertainment green light at the end of the freshman rotation, will be an exchange dinner with Dorsey Hall at Scripps on Thursday evening. These affairs have proved very popular in the past, and furnish an admirable opportunity for furtherance of the good-neighbor policy with our sister college.

The annual "get-acquainted" stag will occur Friday evening under the sponsorship of the sophomore members of the house. The usual refreshments and entertainment are promised and an evening of hilarious good cheer appears in order.

In a more dignified vein is the theatre party scheduled for Saturday evening. Featured attraction at the Pasadena Playhouse is "Joan of Lorraine." Dancing in the lounge will follow.

Bernard B. Watson, Physics; J. A. Whieldon, Physiology.

Research Fellows: Biology — Barbarin Arrequin, David R. Brown, Charles R. Burnham, E. E. Dale, Ellsworth C. Dougherty, Moises Kramer, Joseph Lein, Werner Karl Maas, George Laties, Benjamin Elazani Volcani, Carroll Wagner, Herschel L. Roman, Mildred Swann, Marko Zalokar. **Physics** — Raymond V. Adams, Robert B. Leighton, Joseph E. Perry. **Chemistry** — John R. Cann, Gene B. Carpenter, Clara Louise Deasy, Jerry Donhue, Paul A. Giguere, David R. Howton, Hartman Koehlin, Eduard C. Kooyman, Abram Stavitsky, Kenneth N. Trueblood, Seymour Singer, Borge Wille. **Geology** — S. K. Chakrabarty, Antonio Due Rojo. **Astrophysics** — Guy C. Omer, Jr., Albert G. Wilson. **Mathematics** — Samuel Karlin.

Instructors: Nicholas Begeovich, Electrical Engineering; Melvin Brockie, Economics; John Scott Campbell, Engineering Drafting; J. Kent Clark, English; James H. Drake, Electrical Engineering; E. T. Preisler, Physical Education; Theodore B. Smith, Meteorology; Alfred Stern, Languages; George Tanham, History.

Talkin' It Over with The Goon

Well, men, here it is Tuesday night; the last Frosh has been told what a great guy he is, and now whips and Dyanshine bottles appear from every hiding place.

If the lads who have been snowing Dean Strong's boys can do as well with their wahinees there must be a lot of lipstick being wiped off numerous shirts. Old Stan and I were doing our bit for the Big Red Team the other evening and being just as hypocritical as the next used car dealer. This is a brief recap of the happy trip:

* * *

The first fish we were after lived in the famous alley mentioned above. As we walked up the stairs, we accidentally set off a burglar alarm which roused Dumbo and Bowen who form the "I'll hit hi mhigh, you hit him low" team. Picking ourselves up from the floor we explained to these zealots that we were only visiting a frosh to find out how to work a problem. "Why, we're more than happy to have you talk to our frosh,"

Charles Murphy, Prexy of Tau Beta Phi, attended the National Convention at New York City at which he spoke. He left Tech Tuesday, Oct. 7, and returned Sunday, Oct. 12, staying at the Hotel New Yorker during the interim.

Future plans discussed at the convention include building a \$300,000 national headquarters at Nashville, Tennessee.

CLASSIFIED
FOR SALE — Corona portable typewriter, mechanically O.K. but needs cleaning. \$15. See Miss McGee in Athletic Office. Also 1 unused rebuilt 1935-37 Ford generator. \$7. See Bolt Pindexter, 51 Dabney House or SY. 2-9769.

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smiled Ted, as he led us to the room where the lad stayed. "Don't worry about the chains on his legs," Dumbo assured us. "He can go wherever he pleases."

* * *

Our next call was in Blacker. Marshall and McLean had studied child psychology this summer and had prepared a campaign that couldn't be beat. The doorman to the freshmen's room was a sophomore. The man doing their homework was a Tau Beta junior. And at the small bar that was set up in this tremendous corner double was none other than "Beer Bottle" Mitt.

We were quickly told that the children we had our eyes on were quite contended with their immediate surroundings, and since they were to keep them, they thought that they would remain. Stan and I got off our knees and moved to Dabney.

* * *

Outside of the door of a certain prominent wheel in the frosh class we were greeted by

a pretty blond secretary. "Would you men please put your names on this list? There are only fourteen people ahead of you and it will be about an hour before he will be able to see you." It was closer to three hours later when Auernbach, Hickey and Fullerton came back from the rounds of the local night spots, dragging the frosh behind. He was in no condition to talk terms.

There was only one place left — Fleming. As we walked into the court, we saw Stix selling road maps and room numbers to the various boys living under his Iron Curtain. He gave us the nod and we moved in on the kiddies. With Bass, Walquist and Long at our side we methodically made the rounds of the rooms. We outlined the compulsory athletic training program of the house and if they were not happy about it, Bass and the Torpedoes went to work.

Well, here it is Wednesday night. The lists have been made out. Now we're thru kissing them; we're ready to beat 'em!

a little

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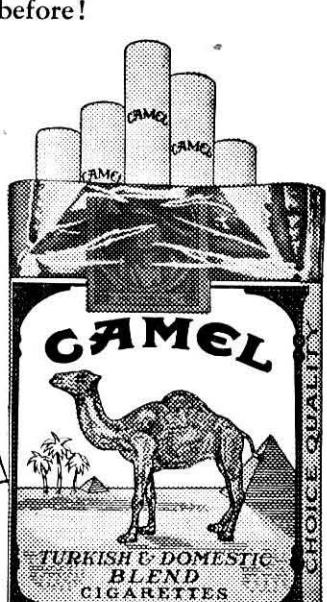
TWO STORES
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921 E. COLORADO ST.

The platter that's causing plenty of chatter in juke circles is "Skitch" Henderson's latest instrumental—"Dancing With a Deb." Boy —what a record!

It's obvious "Skitch" has had plenty of experience in tickling those ivories, and he follows that experience rule in smoking too. "I smoked many different brands and compared," says "Skitch."

"My choice from experience is Camel."

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Beaver • Sports •

Cross Country Team Prepares For Interhouse Meets

The press of ailing gridders around his little cell became too great for Coach Doc Hanes, and last Monday as a result he gathered his cross-country runners together and introduced them to their new coach, Bud Carroll. Bud is a CIT senior, former distance runner of renown, and his goal is to put Tech on top.

Nucleus of Experienced Men

Returning from previous years on the long, hard gravel path are Jim Densmore, Jack Marshall, Mike Sellen, Larry Nobles, Don Peterson and Carl Anderson. Along with a fine showing of new men, Coach Carroll hopes for a conference threat.

His brightest hopes at present are Densmore and Marshall.

Frosh Team Promising

The advent of a freshman team this year adds to the interest of the program, and an enthusiastic turnout has been made by the newcomers.

From the pre-season standpoint, it appears that Bob Cobb and Walt Edwards will be the

men to beat. A number of other men look mighty promising.

Interhouse Begins Next Week

The teams will have the first chance to show what they can do in the three interhouse meets. The 1½-mile will be held Oct. 21; the 2-mile on the 24th, and the 2½-mile on Oct. 31. In line with the recruiting of interested parties, the races were shortened from the 2, 3, and 4-mile grinds of former years. It is hoped by this means that each house will enter at least three men in the races and thus be eligible for points.

Scratch Sheet

This dopester has been snoop ing around attempting to pick a favorite, but he came up with a blank. No torrid entries are on the list since lettermen are ineligible for house competition.

Dabney has a strong entry with Wayne Herzig, Herbie Simons and Dick Spellman, while Blacker has a promising nucleus of Larry Nobles and Dick Felbeck. An inexperienced Ricketts team is led by Peterson, while Fleming mutters mysteriously about dark horses. No groanings could be heard from the Throop camp and they remain unknown.

The intercollegiate season opens Nov. 7 with Compton J.C.



McLEAN ROLLS—Fullback Doug McLean carries the ball on an end around for a seven-yard gain against Whittier in the first quarter. The game ended in a 6-6 tie.

Houses Open Ten Game Intramural Baseball Season

Stiff Competition Expected In Fight To Displace Fleming

Interhouse baseball competition was resumed Monday in the first of a round-robin schedule among the four on-campus houses and Throop Club. Jim Nerrie, instructor in Physical Education, will supervise the two-and-a-half-week program.

All games will be played on the varsity diamond in Tournament Park, and will begin at 4:30 p.m., lasting until darkness.

Fleming Favored

Fleming has a strong chance of retaining the title, although Chuck Norman, mainstay pitcher of last year's team, will be missing from the group. Replacing him will be Don Furth, who Fleming men feel is as good as Norman. Probable starting nine is Dick Bennett, c; Clay Engler, 1b; Bill Cox, 2b; George Bowen, ss; Elroy Chinn, 3b; Bernie Shore, lf; Jay Montgomery, cf, and Felix Bochanski, rf.

Hitting power in the form of fielders Bob Dalton, Rube Kachadoorian and Pim Thorpe, will be the key to the success of Ricketts' pennant drive. The "Rowdies" take pride in their second

(Continued on Page 6)

ATOMIC BOOKLETS

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Fumbles And Interceptions Mark Sloppy Going vs. Poets

(Continued from Page 1)

After the Poets had made another first down on the 17, Jarnagan carried the ball around end to the Beaver 4-yard line and plunged over for the score three plays later. The stout Tech line held like a rock for two downs, but could not stop the third Poet try. The try for conversion was blocked by Warren Marshall.

Tech line play, which three times stopped threatened scores by the rival team, was tops. In the play almost every time were Schuster, Hibbard and Bass, who played heads-up ball all the way. More than once Hibbard, right end, crashed an interference of two or three men to make the tackle, and Right Guard Schuster made center plays rough for the opposition.

Tech Shows Power

The fourth period showed a definite Caltech superiority, after the first three stanzas had been played on a toss-up basis. As the quarter got underway, Wozniak returned a Whittier punt to the Tech 32-yard line from the 14. Runs by Funk and Wozniak advanced the leather to the Tech 43 and another first. Two more plays took it one yard into Poet ground, but the Whittier line held and pushed the Techmen back.

Forced to punt, Chaffee made a direct hit into coffin corner four yards from the goal. Tech took the return punt on the Poet 37, gaining 14 yards on the exchange.

Wozniak Tallys

McLean, fullback, took a reverse to the 26 for a first down, and Wozniak rolled up one more on the 16. On fourth down, Wozniak passed 12 yards to Milt Strauss for the first down on the four; McLean crashed over center to the one, and Wozniak went around right end from the 1-yard line to tally two plays later, with only four and a half minutes of playing time remaining. This time Norman's try for conversion was blocked.

Last-Minute Threat

Whittier threw a last-minute scare into the Tech cheering section when they recovered a Beaver miscue on the Tech 16 with only a minute and a half to play. A strong Tech line had forced Whittier to punt when this break put them in threatening position once more. Alert Bevo backs broke up three pass plays, however, and a field-goal try was kicked wide as the Tech line rushed in. Taking over on the 20, the Engineers ran out the remaining time on the ground, unwilling to gamble with a last-minute pass interception.

STATISTICS

| | Caltech | Whittier |
|---------------------------|---------|----------|
| First Downs | 16 | 10 |
| By rushing | 14 | 7 |
| By passing | 2 | 2 |
| By penalties | 0 | 1 |
| Net yds. rushing | 179 | 156 |
| Yards lost | 28 | 11 |
| Net yds. forwards | 68 | 27 |
| Forwards attempted | 14 | 13 |
| Forwards completed | 5 | 4 |
| Forwards completed | 247 | 183 |
| Net yds. completed | 2 | 4 |
| Interceptions by | 13 | 28 |
| Yds. interceptions return | 6 | 8 |
| Punts, number | 4 | 3 |
| Returned by | 4 | 3 |
| Punts, average | 35.67 | 39 |
| Kickoffs, average | 45 | 45 |
| Yds. kicks returned | 45 | 50 |
| Punts | 11 | 26 |
| Kickoffs | 34 | 24 |
| Fumbles | 7 | 4 |
| Yds. lost on penalties | 5 | 6 |
| FINAL SCORE | 30 | 30 |

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Frosh Settling In Their Future Homes This Week

Houses Preparing to Initiate Frosh; New Men to Spend Rough Two Weeks

After two weeks of rotation through the four student houses, Freshmen listed Tuesday night, in order of preference, the houses they hope to live in.

After trekking counterclockwise from house to house for three days of food, propaganda and entertainment (?) at each house, the freshmen were supposed to have learned from the upperclassmen the general characteristics of each house.

Pauling Awarded Oxford's Eastman Professorship

Professor Linus Pauling, California Institute of Technology Chemistry and Chemical Engineering Division chairman, who has just returned from England where he received honorary doctor of science degrees from Cambridge University and the University of London, will go back to England next December as Eastman Professor at Oxford University, Dr. Lee A. DuBridge, Caltech president, announces.

The Eastman professorship is awarded periodically to outstanding American scholars and scientists and has previously been held by such men as Supreme Court Justice Felix Frankfurter and the late Simon Flexner, then director of the Rockefeller Institute for Medical Research.

Dr. Pauling will lecture in the field of chemistry at Oxford from January to June, covering the second and third terms at that school, and will return to Caltech upon completion of his work in England, Dr. DuBridge said.

In addition to receiving the two honorary degrees on his recent visit to England, he was inducted as an honorary member of the Chemical Society of London and gave an address at the International Congress of Pure and Applied Chemistry, of which he was president of the section on physical chemistry. He was also made an honorary member of the Royal Institution of Great Britain and of the London Atheneum.

Dr. Pauling also visited Stockholm, Sweden, where he attended the International Congress of Experimental Cytology, and visited Swedish universities and research laboratories.

Dreyfuss To Give Lectures To I.D.

Industrial Design students will reap the benefits of the experience of a nationally known leader in that field this year when Henry Dreyfuss, who heads the New York industrial design firm bearing his name, enters the field of higher education as a visiting lecturer at the Institute.

Fly Swatters, Trains

Known for his original as well as revised design of a vast assortment of industrial products, ranging from fly swatters to the interior of huge aircraft transports and magazine covers to sleek, streamlined trains, his work at Caltech will be his first in the field of higher education.

The graduate Caltech School of Industrial Design is recognized as one of the most outstanding of its kind. Students are carefully selected and only those who have obtained a bachelor's degree in science, mechanical or architectural engineering are accepted.

Professional Degree

After successfully completing two years of work designed to provide sound, down-to-earth training in the study of function and appearance of products consistent with current engineering practice, students are awarded a professional degree in Industrial Design. New as well as existing materials and manufacturing methods are utilized in study.

Dreyfuss is author of two books on Industrial Design. He received the Lord and Taylor Design Award for 1939 and 1943 received the American Designers' Institute Award for outstanding contributions to American design. During World War II he designed the elaborate strategy rooms used by the joint Chiefs of Staff in Washington, D.C.

Standard Oil Lists Opportunities

Geologists, Engineers Sought for Overseas Positions

The Placement Office has received information concerning opportunities of employment in Venezuela, Arabia, Colombia, Peru and the Far East, from the Overseas Personnel Office of the Standard Oil Company, New Jersey.

The houses also drew up a list of the freshmen whom they would like to have as members. The four resident-associates then met Tuesday night, and, after a stormy session that might have taught the U.N. a few things about veto, got each frosh settled in a house.

Any seniors or graduate students in Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering and Geology, who may be interested, should contact the Placement Office immediately. It is probable that some time in the future a representative of the Overseas Personnel Office will visit the Institute for the purpose of interviewing any students who are interested in these opportunities.

WHITTIER WAS

(Continued from Page 5)

greatest Tech team in many years . . . (tied) the underdog Poets . . .

Later on we are surprised to learn that "Hard . . . Whittier tackling . . . caused five Tech fumbles." That's a better excuse than we could figure out just from watching the game.

The article in question, containing other similar gems, is on display in lower Throop.



ALL SET FOR THE

PAJAMARINO

Don't tell us those old P.J.'s you've been wearing in the dorm can stand the bright lights of Colorado Boulevard! Better dash down to Nash's and get Textron's striped broadcloth. Neat enough to make you look like a man of distinction, they're Sanforized to keep their ample fullness as long as they last.

Men's Shop Street Floor

Nash's
of Pasadena

HOUSES OPEN

(Continued from Page 5)

and third-base combination of Bruce Worcester and Bob Winchester. Other first-string men are Howard Lewis, ss; Carl Fox, cf; Tom Fay, 1b, and Harvey Robinson, rf.

Throop Club boasts a smooth infield combination plus Louis Stallkamp, whose pitching arm will determine whether the off-campus men grab the championship from Fleming. Team mem-

bers likely to play regularly are Duane Neverman, 2b; Jack White, 1b; Hayden Sanders, ss; Roland Johnson, rf; Bob Benton, cf; Tom Moore, lf; Ray Maurus, 3b, and Bill Gothard, team captain and catcher.

Blacker and Dabney team captains John McGrane and Bruce Hedrick bemoan their respective team's lack of experience, and cannot judge their team's strength on the basis of the short practice. Blacker's nine will probably be: Ralph Lovberg, c; Warren Krum, 1b; Dick Pollack, ss; Art Brueggen, 2b; H. Kamei, 3b, and Larry Nobles or McGrane, pitcher. The outfield consists of Frank Evans, Byron Youtz and Bill Karzas.

Dabney's hopefuls are Malcolm Hickey, c; Phil Lamson, 6; Bob Bradford, 1b; Bill Jarmie,

2b; Dick King, ss; Sage Burrows, 3b; Joe Burkholder, lf; Dave MacKenzie, cf, and Bill Pyle, rf.

Schedule:
Oct. 13, Monday—Dabney vs. Throop.

Oct. 14, Tuesday—Blacker vs. Fleming.

Oct. 15, Wednesday—Ricketts vs. Dabney.

Oct. 16, Thursday—Throop vs. Fleming.

Oct. 20, Monday—Blacker vs. Ricketts.

Oct. 21, Tuesday—Fleming vs. Dabney.

Oct. 22, Wednesday—Throop vs. Blacker.

Oct. 23, Thursday—Fleming vs. Ricketts.

Oct. 27, Monday—Dabney vs. Blacker.

Oct. 28, Tuesday—Ricketts vs. Throop.

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