

Monday Assembly Features Talk On European Conditions

Miss Letitia Innes to Speak; Prizes to Be Offered to Leading House, Best Canvasser

Monday's assembly, in conjunction with the World Student Service Fund Drive, will feature Miss Letitia Innes. Miss Innes has been in Europe during the past summer and will speak on the conditions there. Her talk should serve to show the need of foreign students for American aid.

To further stimulate interest in the WSSF drive, the four houses and Throop Club are competing for a prize for the largest per capita contribution. A prize will also be awarded to the leading canvasser. The drive will last all next week.

The WSSF is designed to help needy students throughout the world, especially those whose means and studies have suffered from the war. One of the best ways to help in rebuilding the world today is to help young people in war-devastated areas gain the education needed to fit them for intelligent leadership. This is the aim of the WSSF.

The drive is backed by the YMCA, YWCA, Protestant, Catholic, and Jewish groups, and such outstanding sponsors as Dr. Clarence Dykstra and Dr. Lee DuBridge. The distribution of funds is carefully accounted for and contributors can be sure that their money is being well spent.

Tech Service League Serves Students, Wives, And Offspring

Caltech students, their wives and their babies are getting unprecedented attention these days because of a newly formed Caltech Service League which completed its formal organization recently at a meeting at the Athenaeum. Mrs. Ray Gerhart, member of the League policy committee, announced.

Patterned somewhat after the Stanford University Mother's Club, organization of the League was begun last spring with parents of students, friends of the Institute, and faculty members meeting with school officials to present the proposed student welfare program. With enthusiastic approval of Dr. Lee A. DuBridge, Caltech president, and other school officials, a specific program was decided upon and organization work begun.

New Health Center

Three major projects of the league are already well along to realization. First is the establishment of a new Caltech Health Center on the campus. A war surplus temporary building

(Continued on Page 6)

Campus Calendar

Thursday, November 13—
Upperclass Luncheon Club at the Training Table, 12:00.
Throop Club Meeting, 12:20.
Presbyterian Reception in "Y" Lounge, 4:30 p.m.
Orchestra Practice in Culbertson Hall, 7:30 p.m.
Glee Club Practice in Throop Club Lounge, 8:30 p.m.

Friday, November 14—
Student Rally, 11 a.m.
Water Polo game. Oxy at Caltech, 4:30 p.m.
Ricketts-Fleming-Hershey Hall (UCLA) Exchange.
Frosh football game. Caltech at Whittier, 8 p.m.

Saturday, November 15—
Cross Country Meet. Oxy, Whittier at Caltech, 10 a.m.
Caltech vs. Redlands, there, 2:15 p.m.
Dabney-Ricketts Barn Dance at Mountain Oaks, 8 p.m.

Monday, November 17—
WSSF Assembly at 11 a.m.

Tuesday, November 18—
Water Polo Game. UCLA, here, 4:30 p.m.
Band Rehearsal in Culbertson Hall, 7:30 p.m.

Wednesday, November 19—
Frosh Luncheon Club at the Training Table, 12:00.
Dancing Class in Culbertson Hall, 7:30 p.m.
Fencing Class, 15 Dabney, 7:30 p.m. (Beginners), 8:30 p.m. (Advanced).

Thursday, November 20—
Upperclass Luncheon Club at the Training Table, 12:00.
Throop Club Meeting, 12:20.
Orchestra Rehearsal in Culbertson Hall, 7:30 p.m.
Glee Club practice in Throop Club Lounge, 8:30 p.m.

Friday, November 21—
Water Polo Game. Caltech at Compton, 4:30 p.m.
Blacker Semi-formal Dinner Dance. Dabney Semi-formal Dinner Dance. Fleming Bowling Party.

Saturday, November 22—
Frosh Football game. Pepperdine there, 6:00 p.m.
Caltech vs. Pepperdine there, 8:00 p.m.

To Get To Game

Go east on California Street to Rosemead Blvd.; turn south to Garvey Blvd. (about 2 miles); turn east onto Garvey; continue east to road fork, about 2 miles this side of Redlands, where main highway curves off to southeast. Go straight ahead here instead of following U.S. highway, the University is about four miles farther.

Game time is 2:15 (Saturday), so be sure to start in plenty of time. It is about 60 miles to Redlands, through fairly heavy traffic. There will be no pre-game Frosh contest; our Frosh play the Whittier Frosh at Whittier tomorrow night in a league tilt.

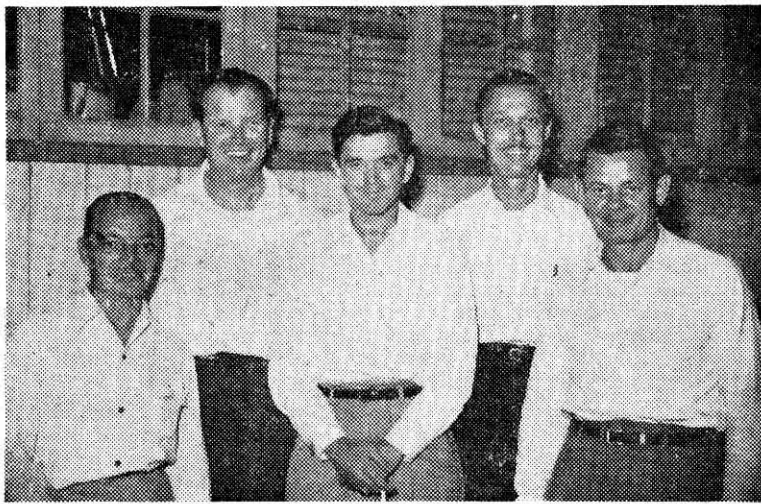
A Muddy Business!



HEIGH-HO, SILVER!—The above picture illustrates how far the average Techman will go to save money.

Believe it or not, the two teams, Freshman and Sophomore, shown above in the annual Mudeo are trying to decide in this dirty manner which class will pay for their joint dance (last Friday). Sophs won, 4-3; Frosh paid.

Pete Daily Combo



Caught in a moment of relaxation, the personnel of the Pete Daily Jazz Combo give out for the photographer. Left to right: Skippy Anderson, piano; "Rosy" McHargue, clarinet; Pete Daily, cornet; George Pefebaugh, drums; "Wild Bill" Davidson, trombone. The Combo will perform at tomorrow's assembly.

Adkins Music Featured At Frosh-Soph Dance

The music of Herb Adkins' band attracted about 100 freshman and sophomore couples to the annual Frosh-Soph Dance, held Friday, November 7, from 9 o'clock to 1, at the Pasadena Athletic Club.

Adkins' seven-piece band featured, besides smooth danceable tunes, two rumbas and one swing number for the embryonic Arthur Murrays of '50 and '51 to work on.

The dance committee, composed of equal numbers of sophomores and freshmen, was headed by G. Myron Arcano. Since the freshmen lost the Mudeo, they, according to tradition, paid the full expenses of the affair. However, the combative spirit of the Mudeo was fairly well subdued, and freshmen seemed to be having as good a time as their sophomore guests.

Feature Hot Music At Friday Assembly

Pete Daily's Combo will be featured at the assembly tomorrow at Culbertson Hall. This five-piece "Combo," though newcomers to the Coast, are well known to the hot music lovers of Chicago.

The members of the "Combo" are: Pete Daily, cornetist, formerly with Bud Freeman and "Wild Bill" Davidson; "Rosy" McHargue, clarinetist, formerly with Ted Weems; Skippy Anderson, Phil Harris' ex-pianist, previously first trombonist with the Crosby Bobcats; and George Defebaugh, the drummer.

The program will consist of classic jazz which no true jazz connoisseur should miss. There will also be an assembly on Monday, the purpose of which will be to get the WSSF drive off to a rousing start.

Details of this assembly will be found elsewhere on this page.

Sophs Defeat Frosh In Mudeo

A bright, clear day highlighted the Frosh-Soph Mudeo last Wednesday, a closely contested struggle won by the Sophomores. Beginning with the tug-of-war, the Frosh notably held their own for a while but finally gave way to the persistent Sophomores who thus gained a point. Then by a wide margin the Sophs carried the sack race, making the score 2-0 in their favor.

The Frosh then took a point by winning the wheelbarrow race by default. Determination in the horse-and-rider contest sent the Freshmen ahead 3-2. But the organization of the Sophomores then brought them victory in the tire spree and gave them Mudeo, 4-3.

The judging committee under Chuck Forester was thanked for their services in the usual manner: A dunking in the mud.

World Peace Topic Of Western College Meeting

Forty Western colleges including Caltech have been invited to send delegates to a National Student Association Regional Congress to deal with the problems of world peace. The conclave, sponsored by the Stanford Institute of International Relations, will meet at Stanford University on November 24, 25, and 26.

The purpose of the Congress is to focus the attention of college students on problems of international relations. The delegates will be divided into working sections to discuss the different phases of the problem of world peace, and to draw up specific resolutions.

Following the Congress, delegates will secure a referendum from their student bodies and results will be compiled into an over-all report for distribution to the press, radio, members of Congress, and members of the State Department.

Engineers To Meet Bulldogs In Saturday Afternoon Game

Hard Fought Tilt Promised As Tech Battles Champs; Dance To Follow Game

The Caltech Engineers will meet the Redlands Bulldogs in their sixth varsity clash Saturday at 2 p.m. This game shows all the possibility of turning into an upset for the Engineers. The Bulldogs have beaten both Oxy and Pomona by one point, and anything can happen. A lot depends on the support given by the Caltech rooting section. The band and song leaders will be there to add their support.

Paulings' Invite Upperclassmen As Firesides Continue

The "Y" Sunday Fireside Series continues this week with open house at the homes of Drs. Pickering, Pauling and Neher. Dr. Pickering is Professor of Electrical Engineering; Dr. Neher teaches Physics, and Dr. Pauling, Chemistry.

This week Dr. Pauling's guests will include upperclassmen. All men interested are urged to sign up with John Lewis in Fleming, Tom Tracy in Ricketts, Bud Mitenthal in Blacker, or Dave Warren in Dabney. Off-campus men should go to the "Y" office in Dabney.

CES Inaugurates Senior Discussions

In order to give seniors in all options more information on job prospects, interviews, and the advisability of graduate study, the Consolidated Engineering Societies is sponsoring a series of informal talks between the seniors and those members of the faculty usually concerned with job placement.

The program will be initiated by having Mr. Peter Kyropoulos attend dinner at each of the student houses and follow up with a bull session in the lounge with the house seniors. Subsequent visits and visitors will be scheduled on the basis of the volume and type of questions which are brought up at these first sessions.

The first meeting was scheduled for last night in Dabney. Ricketts takes the bid tonight, and Blacker and Fleming will be the hosts next Monday and Thursday respectively. Arrangements are being made to give off-campus seniors the same service. They will be notified in the California Tech.

GI Bill Students: Check Eligibility

Veteran students attending school on temporary certificates of eligibility under the G.I. Bill are reminded that these certificates are good for only one year.

A large number of men submitted such temporary authorizations at the beginning of the last academic year; these certificates have about expired, and the Veterans' Affairs Office has no further authority to enroll the students so affected under the G.I. Bill.

Many of the men falling into this category have received permanent certificates and neglected to turn them in. They should bring them immediately to Mrs. Collings, Room 118 Throop.

Training Officer

The personnel of the VA Educational Counseling Staff has been cut 60 per cent, consequently there is no full-time training officer here this year. Mr. R. F. Miles, Training Officer, will be here just once a week: Wednesday afternoon, and will handle the problems of PL 16s only.

(Continued on Page 6)

Those of you interested in extracurricular activities might be interested to know that Redlands is having a sport dance after the game from 8:30 to 12:00. There will be lots of STAG women on hand, and also food.

To get to the stadium, take Foothill out to San Bernardino, turn south on Vernon and go to Colton. Turn east on Colton and take it to Redlands. You'll practically run into the U. of R. If enough rooters are organized, there may be busses chartered.

This game promises to be one of the best yet, and we hope to see all of the Tech supporters in the stands. There will probably be a car caravan. The details will be announced later. So be sure to gas up the old bus and rattle out to Redlands Saturday for some fine football.

Redlands Hosts At Post-Game Dance

After the Saturday game Redlands will play host to Caltech in a postgame dance. The Bulldogs have extended a cordial invitation to all Tech men and promise plenty of stag women.

Redlands is very eager for a good showing from us and is doing its best to make the trip with our team more than worthwhile. It is hoped that Tech will come through with a good turnout. Further details will be found in the open letter from the Redlands Student Association, on Page Two.

Y Lunch Clubs Add New Grad Student Group

With an excellent year to their credit, the Y Luncheon Clubs, groups open to all interested in listening to qualified speakers on topics of immediate interest, have completed organization and arranged the year's schedule. To gain the most benefit these clubs are run on an open-forum basis in which the speaker and audience engage in discussion. Speakers conversant with student government, labor-management problems, foreign policy, racial relations, and campus activities are on the agenda.

Graduate Club Newly Formed

Under the initial sponsorship of Wes Hershey, the Y Secretary, a new group, the Graduate Club, was formed, which soon reached capacity seating. Similarly, the Frosh Club, which meets Wednesday noon, was under Burt Housman until yesterday, when officers were elected. The Upper-Class Club, which meets Thursday noon, is managed by Pat Glover, Fleming, with representatives in the other houses—Ralph Lovberg, Blacker; Bill Muelberger, Dabney; and Bob Crichton, Ricketts. As often all men cannot be seated at the training table, the place of meeting, those interested should contact Wes Hershey, or the house representatives.

Men-Women Relations

The Upper-Class Club will hear Coach Mason Anderson, and the Vice-President of the U.C. L.A. Student Body on the National Student Association. Then a series of discussions on men-women relations by prominent

(Continued on Page 6)

The California Tech

Published every Thursday during the college year except during examinations and holiday periods.

CALIFORNIA INSTITUTE OF TECHNOLOGY

1201 East California Street, Pasadena, Cal.

Subscription rates: \$1.50 per year

Entered as second-class matter Nov. 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.

Offices: Lower Fleming

Telephone: SYcamore 6-7121 Ext. 180

Distributor of Collegiate Digest

Len Herzog, Editor

EDITORIAL STAFF

Managing Editor Dick King
 Sports Editor Jack Scantlin
 Frosh Sports Editor Jim Gillett
 Music Editor Frank Valle-Riestra
 News Staff Bruce Robinson, John Lewis, William Wright, Bob Crichton, Bob Kurland, Bob Heppe, Tony Malanoski, Harry Johansson, Bill Boutelle
 Rewrite Staff Jim Hummel, chief
 Dick Marsh, Walt Davison, Lee Ross
 Special Writers Mitch Colton, J. C. Bear, Leigh Sheriffs, Carl Price, Bud Mittenthal, John Whittlesey
 Sports Staff Earl Hefner, Neal Pings, Don Peterson, Paul Saltman, Don Barrie, Brad Houser, Burt Housman, Thorne Butler
 Photographers Harold Baugh, Ralph Lovberg, Tom Tracy

BUSINESS STAFF

Manager Bill Bradley
 Circulation Manager Abner Kaplan
 Business Staff Charlie Stuse

Support The WSSF

Last year the WSSC drive, in which this school co-operated, contributed a vast amount of assistance in the form of food, books, medical care and housing to thousands of students all over the world. Our job is far from done, however; in fact we have hardly scratched the surface of the task that lies ahead in the rehabilitation of students in the war-ravaged countries of Europe and Asia.

The statement of President Lee A. DuBridge should clarify our aim in the coming WSSC drive:

"Nothing is of more critical importance in the world today than the re-establishment of educational and cultural activities in war-devastated countries. Nothing could be more appropriate or helpful than the efforts by the students and the faculty, themselves, in assisting in the rehabilitation of university life in these countries."

Our job is clearly outlined for us and the method of attack is obvious. Give willingly and with full consciousness of the vital part that you are playing in the solution of this grave international problem. The WSSF drive needs all the support you can give it.

Shall we dance?

Expectant Redlands Gals Awaiting Techmen...

November 4, 1947

Dear Students:

Here's your big chance! Don't miss out on this great opportunity! Redlands University is playing host to you on November 15 at a dance after our football game. The theme will be "Stardust Serenade" and will be from 8:30 to 12:00 and is free to all you fellows if you can show your student body card at the door. There will be lots of beautiful STAG women waiting for your arrival with eager hearts so don't disappoint us please. We like to play hostess, you know.

Sport clothes will be the proper attire and you may bring a date if you feel it is necessary. We will be featuring mellow music with separate rooms for jive fiends and lovers of South American music. There will be a type for everyone so you won't be able to say you aren't satisfied (we hope). Our boys' dorms will be open to you between the game and the dance for you to change your toupes. There will be food for a price (even moron specials) but everything else is free.

We will enjoy having as many as possible here on our campus. Be seeing you!

Redlands' Student Christian Association

whether Pigs Have Wings

By the Walrus and the Carpenter

SOME OF YOU MAY HAVE HEARD of the recent barn dance held by a couple of our local groups. We happened to find ourselves there, and while prancing about to the Virginia Reel in exuberant fashion, our eyes chanced upon one of those faces that registers an instant impression of having been seen before under far different circumstances. Dressed appropriately for such an affair (and with an added touch of flamboyance), this fellow wore a bright plaid shirt, leather chaps, cowboy boots and a magnificent sombrero. This bizarre attire almost concealed the distinct scholarly aspect of his countenance. At the moment however, he appeared anything but scholarly—one look at his date was sufficient to show why. She appeared to be one of those women who have long since become accustomed to the awe-struck gazes of worshipping males. Her striking blond hair perfectly crowned a contour that surpassed even that of "stupefyin' Jones." Although serenely composed, she yet radiated a spontaneous effervescence that was a joy to behold. Our appreciation was marred only by our inability to place her escort. We mused . . . some class, perhaps? No, not our regular section . . . PL-100? . . . of course, that's where it was!

WE REMEMBERED NOW . . . walking through Dabney Hall one afternoon last week. Pausing outside a classroom door we inadvertently overheard a class

Throop exhibit Early Electrical Equipment Seen

An interesting permanent exhibit is on view in lower Throop Hall. It is a museum containing early electrical equipment, including a 60-year-old electric fan and a safety plug of approximately the same era. Sketches and prints of early plants and appliances are also shown.

The Department of Electrical Engineering stoutly denies that an 1880 incandescent lamp, an Edison original, had been only recently removed from use in the Department's offices. No such claim is made on behalf of an 1894 voltmeter, also in the exhibit; this beloved meter, dubbed affectionately "Old Faithful" by generations of Junior EE's, was known to be in laboratory service until last year, when it was burnt out by an irate physicist.

-C. S.

discussion which smacked of an erudite aroma. Intrigued, we stepped inside to learn more. The course was PL-100, graduate humanities elective in Philosophy. The sight of a group of supposedly pragmatic engineers and scientists so earnestly inquiring into the speculative questions of the ages held forth promise of great interest. The creed of solipsism was being inspected at the moment. "A solopist is one who maintains that the self is the only existent thing, and that all things exist only as a product of the mind . . ." We fished in our minds (with a pragmatic hook) for a practical example. It went something like this: "I am holding in my hand a Scotch-and-soda. Suddenly a belligerent individual renders me unconscious by means of a sharp blow upon the head. At this moment the Scotch-and-soda ceases to have any reality whatsoever." What a pity! What gross injustice! We concluded that we were attending the shotgun marriage of logic and absurdity. The discussion proceeded: rationalism, intuitionism, epistemology, dichotomy, imminence, transcendence, dialectic, teleology . . . till we became quite muddled. One individual in the class was quite evidently not muddled, however. Yes, this was the gentleman whom we were later to observe in such a different setting.

Of all the comments interposed by the various students his seemed to be singularly concise and lucid. His criticisms and arguments were evidently based on sound academic information. Nevertheless, as we listened we could not help but feel that this individual typified the "Dilemma of the Techman." Here was a person, obviously well equipped from an intellectual standpoint, sharply penetrating in his analyses, and yet (we thought), so remote, so out-of-touch with the world. We speculated that though he might tangle with the most abstruse of philosophies, he was probably incapable of captivating even a PJC freshman on a date.

EMERGING FROM OUR RECOLLECTIONS we glanced across the dance floor again. How wrong snap judgments can be! Watching our character toast his date with a 16-oz. beer mug we realized that here indeed was a talented man. He seemed to have combined philosophy and life with eminent success. He had evidently applied the scientific method to problems more vexing than

(Continued on Page 6)

THE BOUDOIR BEAVER

T'was a cold winter's evening The guests were all leaving, Malanoski was closing the bar; When he ups and he says to the lady in red, "Get out, you can't stay where you are!" And she replied, "Drop dead!"

FLEMING-BLACKER BARN DANCE

Our Cosmic Six cut short their singing; with a delicate gesture Bill wiped the foam from his lips, and Carl announced, "S' blood! Sounds like Vector!"

Tom reached over the counter and gallantly helped the hyperwoman to her feet. "Vector, what are you doing behind the bar? We have plenty of beer."

"Shh! Not so loud! He might wake up . . . oooh! What a date!" Dean queried, "Don't tell me you let a Blacker man drink you under the table?"

"Deano! A blacker man couldn't . . . but the truth is, I'm hiding." Pat glanced at the open door 10 feet away, and noticing a shapely bit of nylon curved over the door handle whispered, "Vector, part of you is still over here. Pull it in, people might talk."

"Darn! I've already tucked away 11 legs." The stocking suddenly went limp and whisked by our faces, indicating an amazing elastic index. "Lose track of myself with a little brew."

"Who are you hiding from?" "Some bone brain Big Bob insisted I go with—blind date. I didn't want to, but you boys have been getting desperate lately . . . The absurdity, though, the idea of ONE boy dancing, drinking, or anything with me!"

"Aw, Vector, bet you didn't give him a chance!" "I gave him a chance to drink himself stone-cold drunk in the corn shocks!"

"These boors, never even ask if a girl drinks, or if we mind if they drink! We should carry you home! We should live so long!"

"Sober, he was a perfectly enjoyable date, considerate and kept a good line of patter. Then this oaf gets a few beers under his belt, and the animal emerges!"

"Forgets completely that he's out with a girl—tells dirty, unfunny jokes, slaps me on the back, and says, 'Havnuther-drink! Then like all these other ethanol-Don Juans, thinks the time has come to be frank, and talk 'free love!'"

Vector's date was showing signs of life: so we made our way to the Dusenbergs. Of course, it was out of gas, but Dean breathed into it, and we were off. Vector dozed off in our arms, mumbling bitterly about frustrated Techmen.

Next Week: Vector Multiplication.

THE SQUARES' CIRCLE

(Editor's Note: The Squares' Circle will print signed letters of 250 words or less; the name of the contributor will be withheld upon request, but must be submitted with the letter.

Contributions to the Squares' Circle should be dropped in the Tech "To The Editor" Box in Lower Throop. The Editorial Board of the Tech reserves the right of final determination as

to which articles will be printed.)

To the Editor:

People tell me that other schools besides Tech have alma maters. I didn't realize that Saturday when I ran out of the Rose Bowl right after singing our alma mater. But I understand Pomona tried to sing its hymn as we streamed out the gates.

Moreover, it's been pointed out to me that the time-honored procedure is for the losing school to sing first and then wait for the winners to sing.

Sounds like a pretty good idea to me.

R. B.
F. M.
B. H.

CALTECH SPECIAL LAUNDRY AND DRY CLEANING
 Left at the **CAMPUS BARBER SHOP**
 IN THE COFFEE SHOP BLDG ON MONDAY WILL BE RETURNED ON FRIDAY
 REMEMBER **Campus Barber Shop**

CALIFORNIA PHARMACY
 PRESCRIPTIONS PHARMACISTS
 575 S. Lake Street Pasadena, Cal. SYcamore 2-6222

Invitation
The CALTECH MUSICALE
 Sunday—7:30 P.M.
 November 16, 1947
 MILHAUD—L'Orestie d' Eschyle
 BARTOK—Quartette in A minor
 — Intermission —
 DVORAK—Concerto in B minor for Violincello and Orchestra

GENTLEMEN'S READY-TO-WEAR CLOTHES * * * HABERDASHERY
Tailors LTD.
 233 East Colorado St.

NOTICE!
JONKER'S FLORISTS
 A new flower shop under the same management as the Raymond Florists
 You can walk to this new shop which is only three doors South of Lake & California St. to order
Corsages OR TO TELEGRAPH Flowers
 OPEN EVENINGS AND SUNDAYS
 TELEPHONE YOUR ORDERS SY. 3-7167

Jonker & Co.
 BEVERLY HILLS 9320 WILSHIRE BLVD. CR 6-1106
 LOS ANGELES 515 W. SEVENTH ST. VA 4141
 GOLD CIP #1 \$80.40
 GOLD INITIAL LINKS (10 ORDER) \$45.00 (THE PAIR)
 GOLD BRACELET \$174.00
 combining style, taste and quality
 ST CHRISTOPHER MONEY CLIP GOLD WITH SAPPHIRES, \$88.40

COCA-COLA COOLERS MAKE IT SO EASY TO PAUSE AND REFRESH

5¢
 PLEASE return empty bottles promptly

BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY COCA-COLA BOTTLING CO. OF LOS ANGELES
 © 1947, The Coca-Cola Company

Ricketts Lounge Becomes Speakeasy For PCC, Bullocks

The men from Ricketts again showed their fellow students that the place to have a good time over the week-end was in the Ricketts lounge. Last Saturday night it was a dance given with the hearty co-operation of the L'Amitie Club of P.C.C. (all that the name implies), and some of the prettier personnel of Bullocks.

Bob Haufe was again in charge of decorations, and in place of the usual bleak leather-chair-and-burlap-rug-setting so familiar to on-campus men, the Ricketts men found themselves blinking in the darkness of what appeared to be a low-ceilinged speakeasy, complete with the now-famous wax-covered beer bottle candle holders. For those of you who might be wondering, the house prexy, Bob Dalton, was just able to squeeze his pompadour under the low overhead.

The dance was well attended and everyone had a good time, including Bill Haefliger and a few others in spite of the language difficulty with a certain Brazilian wench. Bill Drew was declared the winner in opposition to Dalton and Mettler over Millie.

Voget & Cathey
MEN'S CLOTHING
FURNISHINGS
Fridays till 9:30 p.m.
459 East Colorado Street
Sy. 2-3871 - Pasadena 1

Fleming Cavorts At Barn Dance

The Blacker-Fleming barn dance was held at Mountain Oaks last Saturday night. The affair was an immense success and both houses deserve a lot of credit for their fine efforts.

Bud Mittenenthal did a swell job as M.C. His date, Margaret, got the square dancing under way and this provided kicks for everybody. Beer and cider in large quantities was served and it didn't take long for everybody to get into the spirit of the occasion.

M.C. Mittenenthal announced that the contests were under way about 10:45. The first event took place with 10 couples from each house competing. It was a relay in which each couple polished off a cup of beer before the next couple began. This was accomplished in various and sundry manners usually the boy beat the girl and then finished hers, although I am happy to relate that some of the femmes beat their erudite escorts. The judges for this contest and the Crew Race were Tom Davis and Neville Long, Blacker and Fleming RA's. The outcome of this fine event was decided a tie.

Following this was a contest in the relative velocity of downing flaming vodka, known as Flamers. This was attempted only by the hale and hearty. Three men each from each house competed and Fleming won by one point. During this time Pat Glover of Fleming challenged any Blacker man to a chug-a-lug contest with a British pint filled with beer. Glover won over J. C. Bear in 3.9 sec.

The Crew Race, which is a relay of 10 men on each side, was held next. This was the real contest of the evening in which a trophy and house honor was at stake. Both houses had excellent

Food, Frolicing, Fun Enjoyed By Dabney At Oak Grove Park

Notable among last week-end's social activities was the Dabney Picnic and Grass Frolic, held Saturday at Oak Grove Park, at which the Dabneyites and their feminine guests spent an afternoon and evening which left little to be desired in the way of entertainment.

A highlight of the day's activities was the baseball game. The attempts of team captains Paul Fullerton and Bill Muehlberger to obtain the park ball diamond were unsuccessful, as they were unable to rout a group of firmly-entrenched Boy Scouts. Consequently, the game was finally held near the picnic area itself. However, the proximity of this location to the refreshments more than compensated for any deficiencies the area might have as a ball diamond.

The rest of the afternoon was spent in relaxing, participating in games, and consuming the other keg of refreshments, which were available throughout the day. Dinner was served at 6:30, and those present all agreed that Dan Markoff and Jack Ottestad had missed their calling, judging from the quality of the hamburgers they turned out.

The day's activities were concluded by a dance held later in the evening in Dabney lounge.

and gallant teams, but Blacker took the lead at the three-quarter mark and held it.

Everybody had a lot of fun and beer, and the next barn dance is heartily looked forward to.

Blacker To Feature 'Twenties' Party

Next Saturday night Blacker House will move Delicate Jerry's Speakeasy into their lounge for the evening. The feature is a party-dance which will be held in the best Roaring Twenties style. After all, with the New Look, why not?

This promises to be a most unusual social event and there will be some surprises during the course of the evening. Among these is an interesting floor show. The music will be sweet, the lights low, and some mellow refreshments. Admission will be by card and subtle arrangement only. But alas, all good things must come to an end, and in the wee hours of the morn Delicate Jerry will pack up his itinerant speakeasy and disappear into the sands of time.

Gutenberg Elected To Italian Academy

Dr. Beno Gutenberg, professor of geophysics and director of the California Institute of Technology Seismological Laboratory, has been elected a member of the Accademia Nazionale dei Lincei, Rome, Italy, it was announced today at Caltech. Dr. Gutenberg is also a member of the Royal Society of New Zealand, the Finnish Geographical Society and the National Academy of Sciences.

An authority on earthquakes, he was sent to Japan last spring by the government for the purpose of setting up a system of seismological recording stations throughout the Pacific by which hurricanes and typhoons can be located by recording ground vibrations which they create.

CAMPUS BREWINS

Apparently everyone wanted to drown their mid-term sorrows last week-end. As a result your reporter had a very enjoyable time roving from one function to the next.

Blacker-Fleming Barn Dance

Blacker won the male crew race, by dubious means according to the boys in Fleming, but after all, the athletes are in training. However, a few stalwarts in Fleming upheld the tradition by winning the flamer contest. The novel coed beer race ended in a tie. Mittenenthal and Margaret Weerts led the square dancing, which so exhausted everyone that, judging from the vast quantities of beer left after the dance, everybody, including Glover, stayed sober.

Roger Chambers showed up with a blind date. This one was different in that he claims that it is the first GOOD one he has ever had. (What a tough life you lead, Rog!) Frank Evans was considerably dejected at life, beer, and women, judging from the way he sat in a corner all evening, mumbling incoherent phrases, and glaring at all he saw.

Marshall Plan

Warren "Scablip" Marshall was seen with that same Russian that has aroused so much interest (especially with him)—Vera. When she asked him point-blank if he had had any "experience," he just blushed in his most casual and red manner. Warren double dated with Doug "Limpy" MacLean. The two of them had an agreement whereby Warren would do all the dancing and Doug the rest.

Carl Price thought of everything except the jigger glass for the flamer contest. Judging from the tremendous response he received, he had scores of offers. Stokely and his were dancing cheek to cheek all the way down. Nuzzling in the back seat on the way home, Stoke just couldn't get up nerve enough to kiss her good-night. Pat Glover challenged anybody in Blacker to drink an English pint of beer: J. C. Bear valiantly took up the challenge but lost badly. Clay Englar finally talked Mary Stinsberry into going out with him. The story has it that she has been giving him one of the most violent brush-offs on record. Bill Woods and date drove all the way to San Berdo. What for? Speaking of Woods and Price, Carl finally got a date with Bill's old flame. She claims Bill is a Communist. Pat "the Lover" Glover is in love with an English lass from Hollywood.

Scripps Dance

Scripps has thawed out considerably after giving Mudd the inside track for some time this fall. Rumor has it that last Saturday night many a girl's purity was challenged. Not by Bob Barracough, however. About the only saving thing for him that evening was the chance meeting of two of his old buddies.

Many Techmen are beginning to have considerable doubts about Dick Alexander's blind date bureau at Scripps. Ed Matzner had a date that was about two feet taller than he was. But, then, some of Alex' customers are happy! (Ask Auerbach.)

Bruce Worcester said that B. J. was not feeling well. As a result both were seen to have disappeared quite early in the evening.

Dabney Grass Frolic

Judging from the rather chilly looks on the Scripps lasses who went to Oak Grove Park with various sordid Dabney men, the Darbs did anything but learn how to warm up the girls. I suggest that Paul Fullerton might read the "Boudoir Beaver" to his followers at dinner time. The Frolic had the somewhat dubious honor of being termed as "Paul's Party." From the way Fullerton acted, it was anything

but his party. The projected interclass baseball game finally fizzled out due to the overwhelming preference for beer among the constituents. After a so-so dinner, dancing was held in the lounge. Many took advantage of the almost complete blackout to blackout. The shape of Hugh Carter was dimly seen to be lying prostrate on the floor, mumbling something incoherent into the ears of passers-by. Phrases about bring up the mail or a blanket, or something to that effect were uttered by him. Bill Muehlberger, fully recovered from his week-end with Peggy, apparently preferred not to roam about too much, staying close by Sally's couch for most of the later evening. It is conjectured that he was demonstrating artificial respiration. Bruce Robinson hadn't recovered fully from the week-end when his girl was down from Cal.

Ricketts Exchange

Ricketts held an exchange with Bullocks and P.C.C. The motive of the affair was a speakeasy, but it quickly degenerated into a high-class Main Street flat. Not many girls were represented from Bullocks, but P.C.C. girls were there in droves. Ted Bowen seems to have discovered a very interesting specimen from Bullocks. HE nearly got seduced by her, but his innocence saved him from this. Gilda, the "Brazilian nut," played Bill Haefliger, Bill Bradley, and a few others against each other when they all wanted to take her home. Rube Mettler finally won out. Thorpe and Butler were as usual. Brad Houser, covered with lipstick from head to toe, seemed to be conducting a test of Bullocks' line of cosmetics.

Women—Won and Lost Dept.

Chuck Murphy announced his engagement to Phyllis Steen at a very wet cocktail party Sunday afternoon. Johnny Heath was recipient of a broken engagement to his (ex)-girl. It seems that she met a new man after only five weeks at Stanford. A collection is being conducted in Blacker to help his poor soul. Rube Kachadoorian got a similar gate up in Fresno. He went up with a \$500 diamond in his pocket, got engaged at 9 P.M. in the evening; by 10:30 P.M. the same night, she informed him that it was all off. Note to Rube: You're entitled to one punch on my card.

Al Eschner brought a two-handled, two-liter-capacity beer mug on one arm, while he had his gorgeous Ginger on the other. She danced divinely, wore a sweater and attracted glances ranging from ocular wolf howls to feminine envy.

Speaking of the non-beer, or dancing and light conversation, phase of the party, Dusty Guenther brought Jennie Townsend, Fred Smith came stag, Bud Klarfeld took Nancy Sugden, and Carl Price showed up with his new gal friend Lynn (big change!)

Neville Long aroused a sensation with his cowboy suit, Dean Johnson (discomod by a spell of vertigo) fell down three times on top of his date while attempting a difficult dance step called "the dip," and Tony Malanoski blew up a keg of beer while trying to find how to open it.

Stix, Stokely, Bob Davis and Dick Roehm were wandering around somewhere, while Carl Anderson was bartender for a day.

Dick Marsh, impelled by a hope that other pastures might be greener, ventured over to Hershey Hall at UCLA and was quite surprised. He's an enthusiast for exchange deals now.

Trivia

Leigh Sheriffs is rather put out at the way one of his in-

(Continued on Page Four)



Here, in question and answer form, are some facts on the U. S. Air Force Aviation Cadet program. They cover details you may have been wondering about—and will be useful to you if you want to learn to fly and begin a career in one of today's fastest-moving fields.

1. Who is eligible for appointment to the Cadets?

You, if you're physically fit, single, between 20 and 26½ years old, and have completed at least one-half the requirements for a college degree from an accredited institution — or pass an equivalent examination.

2. How long does the training last — and what does it cover?

You receive approximately 52 weeks' training — worth \$35,000 — in primary, basic and advanced flying, along with other related courses designed to give you the finest background in your specialty.

3. What's the story on duty after graduation?

After successful completion of the course, you will be commissioned a Second Lieutenant, Officers Re-

serve Corps, and assigned to pilot duty with the U. S. Air Force at a starting monthly salary of \$336 (including flight pay). You will serve on active duty for three years unless sooner relieved, and be eligible for \$500 a year bonus for each year of active duty as a Reserve Officer. If you're interested in a Regular Air Force commission, you'll be given a chance to qualify.

4. What are the civilian career opportunities?

That's one you can answer for yourself by taking into consideration these facts: Contrary to what some people think, aviation is not overcrowded — for pilots or anyone else. No field is expanding more rapidly or offering more profitable openings to qualified men. After Aviation Cadet training, you can compete on an equal basis with any flier in the world.

These are only a few of the advantages. Why not stop in today at your nearest U. S. Army and U. S. Air Force Recruiting Station and get all the details?

U. S. Army and U. S. Air Force Recruiting Service

PHONOGRAPH
RECORDS
Just Arrived! Large shipment of choice phonograph records
POPULAR—CLASSICAL—SINGLES—ALBUMS
BUY NOW while selections are complete
Do not be disappointed again this Christmas
Get the Records you want NOW
L. C. Taylor Co.
143 N. LAKE SY. 2-5107
OPEN FRI. & SAT. EVES TIL 9

Training Program For Graduates Discussed

Companies are short of technically trained men today, and competition for these men is keener than it ever was, according to M. N. Muller, manager of the educational department for the Westinghouse Electric Corporation. Engineering colleges report a 100 per cent increase in the number of companies now interviewing their graduates in comparison to prewar years.

A typical employer of engineers and scientists is the Westinghouse Electric Corporation. In an effort to acquaint those who might be interested in going into industry with the type of program offered by these corporations, Mr. Muller gave a description of the training offered by Westinghouse.

Starting Pay Is Higher

Starting pay for college graduates is far above prewar levels, Mr. Muller explained. Veterans of World War II are given additional consideration and start at rates even above the new high scale for nonveterans.

The Westinghouse graduate student course was set up many years ago. In college the student learns the fundamentals of engineering but he has no real certainty which branch he is best fitted for—sales, design or manufacturing. At a cost of several thousand dollars, the company helps him find out. Every graduate student at Westinghouse gets a basic course consisting of orientation, production, test and product conference assignments. After completing this basic work the men are assigned to sales, engineering or manufacturing where they receive specialized training.

Study Product Engineering

The study of products continues in a full-time "engineering school" for eight more weeks. This rounds out the preliminary schooling of all students who will go into the technical departments of the company. Certain others selected by competitive examination enter a third course of instruction in the mechanical design school. There, for 13 weeks full time, they study the fundamental mechanical engineering subjects of dynamics and vibrations, elasticity and strength of materials, applied mathematics and heat transfer in electrical machines. Electrical engineering graduates also compete for the opportunity of attending an electrical design school offering parallel courses.

After this round of shop and classroom work, the student engineers get office assignments which give them an opportunity to learn the necessary "paper work." Meanwhile, through periodical conferences with officials of the graduate student training department, the students have been classified for particular engineering activities. With a

Physiology Movies To Be Shown Here

Moving pictures taken through a microscope to show the capillary circulation in intact animals will be used by Prof. Melvin H. Kniseley, of the Department of Anatomy, University of Chicago, in a series of three seminar lectures next week at Caltech. General subject of the series will be "Studies of Normal and Pathologic Circulatory Physiology." The lectures will be given on Tuesday, Wednesday and Thursday at 4:30 p.m.

CAMPUS BARBER SHOP
In Coffee Shop Building
(OLD DORM)

WHEN YOU ARE HUNGRY
WHEN YOU ARE THIRSTY
OR
WHEN YOU JUST
NEED RELAXATION
IT'S THE
SKIP INN
Beer - Plate Lunches
1352 E. WALNUT
Open Till 2 A.M.

Student Tickets For Concert Series On Sale At Book Store

Of interest to you musically-minded men is the forthcoming Los Angeles Philharmonic Concert Series to be given at the Pasadena Civic Auditorium during December.

Tickets for students this year may be had at bargain prices if season tickets are purchased.

Two blocks of seats on the main floor have been reserved for Muir, P.C.C., Oxy, Caltech, and a few other schools. A total of three hundred seats are being offered for only \$6.50 each. To those not lucky enough to obtain these student rates, a season ticket will cost from \$9 to \$14.

Tickets Sold in Book Store

For the convenience of the Caltech students, these season tickets have been on sale in the book store.

It might be noted that the ticket price for the whole season averages out to about a dollar a night. Those men who would like to go, but don't have the required \$6.50, might hunt up some friend and share a ticket with him. Costs split in this way would make it easy for anyone to enjoy the fine concerts planned.

CAMPUS BREWIN'S

(Continued from Page Three) structors keeps on calling him "Lay." Incidentally, both he and Ed Mitchell took their women to the Opera last week. This is known as the pseudo-cultural approach, and Leigh claims it works well.

Vrabec and Tyson have latched onto a couple of sexy sisters from Balboa. Art Cuse is having his troubles. First it's no woman, then it's no ride. He needs one each: a woman, complete with wheels.

Wealth of varied experience bolstering his college degree, the young engineer now is in a position to choose the line of work for which he is best fitted. Conferences then are arranged with the heads of various engineering departments and the students are transferred to regular jobs.

TECTIVITIES

Catching Up On Last Summer's Activities

(Ed. Note: Periodically, the California Tech features a column concerning the extra-curricular doings of Techmen and Techprofs in the scientific and engineering fields. This week's column covers the summer months, when the California Tech was not being printed.)

SORENSEN RETURNS FROM JAPAN

September 5.—A reorganization of Japanese science and research is now underway in Japan and a recently elected Renewal Committee on Scientific Research is tackling the job, Dr. Royal W. Sorensen, head of Caltech's electrical engineering department, said today following his return from a six week's visit to that country. The committee is setting up an organization to draw up plans and specifications to reorganize Japanese science along "democratic lines."

Dr. Sorensen was one of six U. S. scientists, known as the Scientific Advisory Group and appointed by the National Academy of Sciences at the request of the American Military Government, to review with Japanese scientists and the AMG plans for formulating peacetime organization and development of Japanese science and research along democratic lines.

Higher Education

Under the newly formed scientific committee, plans are to be set up for scientific research and development and higher education to train men and women on a truly democratic basis.

The U. S. group of scientists has already submitted a report of its findings and recommendations to the National Academy of Sciences for subsequent submission to the U. S. Government, Sorensen said.

Hiroshima Visited

"We were in Hiroshima on August 6, just two years from the day the bomb was dropped. We didn't know how we would be greeted. We asked several Japanese how they felt about the bombing and how they felt toward the United States. The answer we got was that they felt they had been deceived by their leaders and that Hiroshima had been sacrificed to bring peace to Japan," Sorensen said.

PRESSMAN LEAVES

August 29.—Dr. David Pressman, American Cancer Society

senior fellow who has been doing research work at the California Institute of Technology on immuno-chemical radio activity tracers on tumors and tumor tissue, has gone to New York City where he will continue his work at the Sloan Kettering Institute Memorial Hospital.

Dr. Pressman was an undergraduate at Caltech and also obtained his doctorate degree there in 1940 and became a senior fellow in the Chemistry Department. During the past year he has been a research fellow of the Cancer Society.

I. R. SURVEY LAUNCHED

August 8.—Under the guidance of an advisory committee representing leading industrial organizations and California commerce and business groups in this area, the California Institute of Technology Industrial Relations section this week launched a comprehensive survey of personnel practices in Southern California.

Directing the survey will be Robert D. Gray, Director of the Caltech Industrial Relations section.

From a questionnaire sent to some 1200 Southern California industries the Caltech Industrial Relations section will prepare a comprehensive tabulation of information on personnel practices in this area. All information provided in the questionnaire will be held as confidential and tabulations of this information for the purpose of compiling a report on personnel practices will be in such form that practices or information of specific companies will not be revealed, Gray said.

The survey is designed to obtain comprehensive information as to work schedules, premium incentive and holiday pay, shift differentials as well as union representation. The questionnaire distinguishes between policies for hourly, daily, piece-rate and other incentive workers on one hand and salaried workers on the other hand.

Copies of the final tabulations will be made available to all companies participating as soon as such tabulations have been completed. Copies of the final report will not be made generally available to others until four months after participating companies have received their reports, Gray said.

McCREERY ON RUSS

October 22.—Dr. Henry F. McCreery, assistant professor of history at the California Institute of Technology, characterized the Russian policy in eastern Europe, the Balkans and Far East as essentially a continuation of the imperialist aims of Czarist Russia, in an address before the Men's Club of Long Beach.

The new and dangerous element in the Russian policy is the drive to put western and all Europe under pro-Russian and Communist governments, he said. The only American policy which can help prevent the collapse of Europe and eventual war with the Soviet Union is the implementation of the Marshall plan for the restoration of the Economy of Europe, he said.

STURTEVANT HONORED

Dr. Alfred H. Sturtevant, professor of genetics at Caltech, has received an honorary degree of Doctor of Science from Princeton University.

An eminent theorist, biologist and field naturalist, his researches on genes and chromosomes have laid the foundation upon which much of modern science of genetics is built today, and it was for this outstanding work that Princeton honored him.

CLARK ADDRESSES ASTM

Dr. D. S. Clark, associate professor of mechanical engineering at Caltech, was one of the speakers at a meeting of the American Society for Testing Materials at Atlantic City, N. J. He presented a paper on "An Experimental Study of the Propagation of Plastic Deformation Under Conditions of Longitudinal Impact" of which he and Dr. P. E. Duwez were co-authors.

CONANT DINED

September 10.—Dr. James B. Conant, president of Harvard University, and Mrs. Conant were entertained at an informal buffet supper by Dr. and Mrs. Lee A. DuBridge. Mrs. Conant was the guest of Mrs. DuBridge also at a small luncheon at the Huntington Hotel.

President and Mrs. Conant participated in the dedication of the new Harvard Club in Los Angeles.

PHYSICISTS GATHER

Members of the Southern California Regional Section of the American Association of Physics Teachers gathered at Caltech for their annual fall meeting in late October.

Highlight of the all-day session was afternoon addresses by Dr.

Five Techmen Attend 'Y' Fall Conference Of So. Cal. Colleges

Last Friday evening a staunch delegation of five Caltech Y men arrived early with an aide from Oxy to register 130 students and advisors from 17 So. Calif. colleges at Camp Seely, near Crestline. The occasion was the regular fall conference of the Student YMCA-YWCA. The hard working Y's beavers managed to cover two meetings of five seminars on Program Resources and Techniques, and see that the Tech view was presented to the Regional Council meeting.

Busy Wes Hershey and family came up for long enough to hear Dr. Edwin Espy, Executive Secretary of the National Student Council of the YMCA speak on Signs of the Times. Elroy Chinn, Vern Edwards, Jim Harder, Dick Alexander and Burt Housman remained to gather information and methods to further the Y program on the Tech campus.

Many friendships with students from other colleges blossomed, and the delegates returned to the monastery Sunday afternoon resolved to keep pushing the horizon of Techmen out beyond the haze of integral tables, to put over W.S.S.F., and to attend the Oxy Student Church more often.

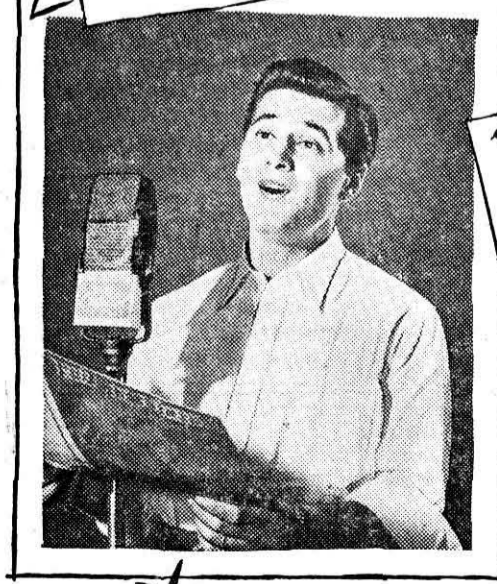
Lee A. DuBridge on "The Story of Radar" and Dr. R. A. Millikan, Institute professor emeritus of physics and Nobel Prize winner, on the "Jubilee of the Election."

The morning session was devoted to papers by physicists representing eight western colleges and universities. A business meeting followed the afternoon session.

MINING ENGINEERS MEET

A number of Caltech faculty members took part in the annual fall meeting of American Institute of Mining and Metallurgical Engineers held October 23 and 24 in Los Angeles.

A paper on "New Apparatus for Obtaining P.V.T. Data" was presented at the petroleum division meeting by Dr. Bruce H. Sage, Dr. William N. Lacey, and Dr. R. H. Olds of Caltech's chemical engineering department. Dr. Ian Campbell, geology, was on the program committee for the Industrial Minerals Division and J. L. Taylor, Caltech Jet Propulsion Laboratory, was a member of the program committee for the Institute of Metals and Iron and Steel Division.



Everyone's Talking 'Bout This Record...

It's GORDON MacRAE'S Latest Capitol Release

...*"I STILL GET JEALOUS"*

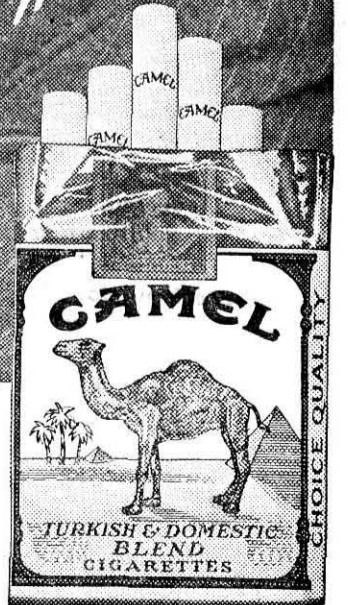
MARK the name: Gordon MacRae. You're going to be hearing more and more of him, for this newest platter of his is really a record for the books.

Another record for the books is the fact that all over America more men and women are smoking Camels than ever before!

Why? You'll find the answer in your "T-Zone" (T for Taste and T for Throat). Try Camels. Discover for yourself why, with smokers who have tried and compared, Camels are the "choice of experience"!

CAMELS
SUIT ME
BEST!

R. J. Reynolds Tobacco Co.
Winston-Salem, N. C.



More people are smoking CAMELS than ever before!

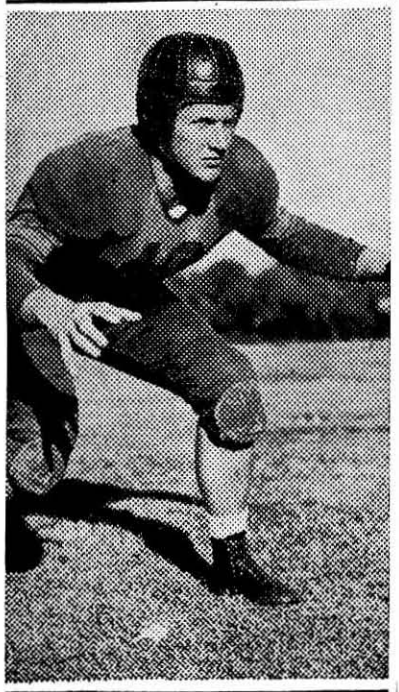
Beaver Sports

Frosh Eleven Meets Whittier In Conference Battle Friday Night

Poets Strongly Favored Over Green Beavers In Solo Game at Whittier

Defeated in their first three contests, the Freshman pigskinners have spent two weeks of practice in preparation for a tough league tilt with Whittier tomorrow night.

The junior Beavers have been plagued with injuries all season, losing two first-string backs for the season in recent games. Walt Pfeiffer, quarter, is out on a broken leg from the Pomona game, and John Moss has turned in his suit due to a concussion received in the tilt with Occidental. Walt Biggers and Ken Berg received a torn ligament and broken arm respectively in



DENNIS LONG
Cal Tech Tackle

practice, and neither will compete in remaining games.

Whittier Undefeated

The young Bevos' chances of knocking off the Poets will be pretty narrow, as the Whittier boys have a fine aggregation. They have defeated four opponents in as many games, including conference teams Pomona and Occidental, and are favored to take the Frosh league championship. Tech Coach Ed Preisler, however, is certain his men can put up a good battle, despite their apparent lack of confidence.

Filling in Pfeiffer's place at quarterback will be Dallas Peck,

Tech Tanksters Hold UCLA Down To 9-6 Victory

Second Half Rally Fails To Thwart Bruin Lead

Playing in the Bruin pool last Friday, the Tech polo team gave their hosts a number of uneasy moments before the final whistle signaled the end of a hard game. Spectacular play by both sides throughout the length of the fray characterized the game, won by UCLA, 9-6.

Cozens Scores

Cozens did all the scoring for the Bruins with six goals in the second period and three tallies in the final quarter. Dixon and Palmer paced the Beaver swimfin boys with two points apiece.

The first period was scoreless, but Tech dominated the play. Unleashing Cozens' arm in the second quarter put the opposition five goals in the lead at half-time. (Noteworthy is the fact that not once this season has Cozens been held to less than five points in a game.) In the second half Tech outscored their opponents by a significant 5-to-3 margin.

B. Waters and Mike Hall as forwards, with Stert and Harris as guards, saw 20 full minutes of action. Playing three positions, Libby contributed an exceptional piece of work for the local seven.

The entire team deserves a lot of praise for their fine performance, while Eimer did a good job coaching.

Oxy Next

This Friday our team plays host to a good Occidental seven at the Pasadena C.C. pool.

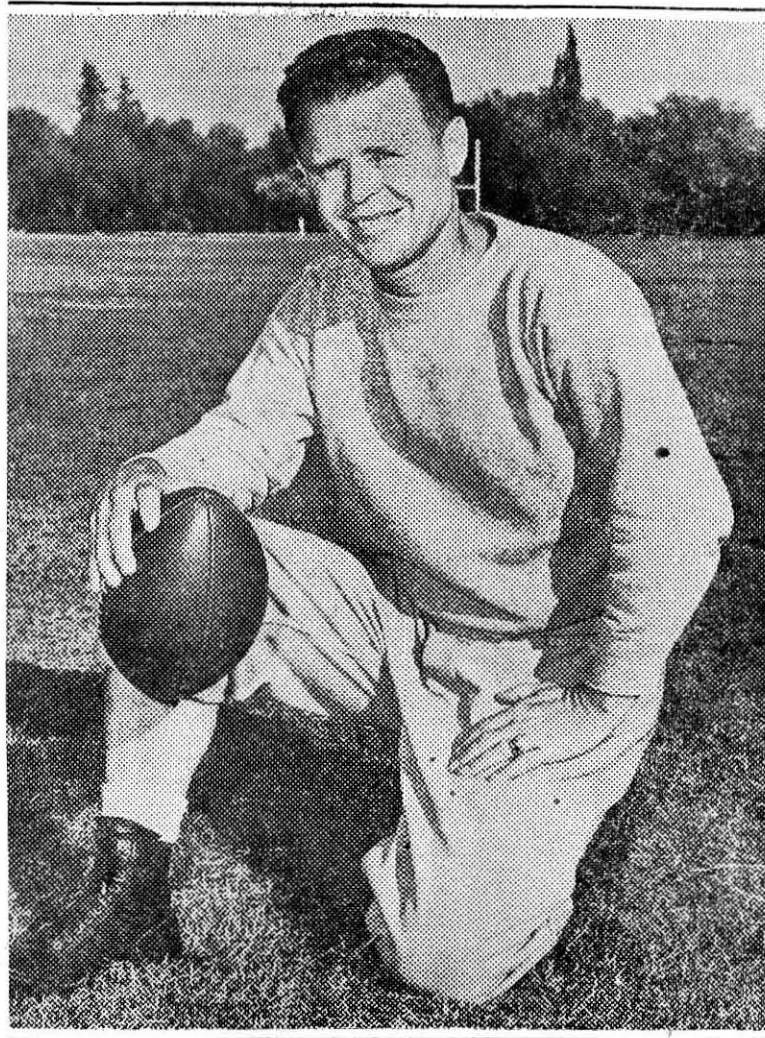
who has regularly been playing a guard position. As fullbacks, Preisler has two men with plenty of drive, Dean Blanchard and Jim La Fleur. George Terhune has been alternating at tailback with Fred Woods since Moss was injured, and Jim Luscombe will start at halfback.

Forward Wall

In the forward wall, the first string line will probably be Bob Munro, center; Art Miller and

(Continued on Page 6)

VARSITY MENTOR



COACH MASON ANDERSON was appointed to the Physical Education staff at the California Institute in October 1945.

Graduating from West Texas State College where he played football and baseball, Anderson coached 9 years at Trinidad, Colorado, where his football team won one State football championship, and 4 years at Raton, New Mexico, where his teams registered three State Championships.

Entering the Navy in 1943, he was later assigned as Chief Specialist in the Physical Training program, to the V-12 Unit at Caltech. At the Institute, he was appointed Varsity football coach for the 1944 season and produced a team which was undefeated, untied and unscored on, rolling up a total of 157 points in a four game schedule.

LINE COACH



PETE MEHRINGER
Cal Tech Ass't Coach

PETE MEHRINGER is in his second year as line coach at Caltech. Mehringer, a graduate of the University of Kansas, was selected on the Missouri Valley (Big Six) All-Conference team in 1931, 1932 and 1933, and was also placed on the 1933 All-American second team. He has played 10 years of Professional football and was line coach at Oxy in 1941.

Frosh Sport Roundup

—By Jim Gillett

With Thanksgiving drawing near and the basketball season right around the corner, things are looking brighter for the Frosh in the field of sports.

Cage Prospects Good

There is a lot of experienced cage talent enrolled in the frosh class, and Coach Priesler expects to show a lot of strength on the pineboards before this season is over. There's plenty of height and speed waiting to be put to work and enough boys with high school varsity experience to make for one of the better junior teams of the conference.

Court Talent Here

The grid squad was hampered by lack of boys who had played in high school and as a result is drawing to the close of its season with none too good of a record. However, good material for the court squad is as plentiful as grid material was lacking and might be expected to have as good a season as the footballers had of a bad one.

After spending an idle weekend last week, the gridsters will meet the Whittier freshman tomorrow night at Whittier.

The game with Pepperdine for the following week has been canceled. However, Tech may schedule a game with Muir or a return battle with Pasadena City College for that week. P.C.C. won the first game, 19-12, at the start of the season.

Practice Begins

In event that no game is sched-

Beavers Point For Upset Against Redlands Saturday

League Leaders Favored In Last Beaver Conference Game; Passes Dangerous

Talkin' It Over

with The Goon

Well, here it is 12:30 p.m., the column isn't written, there're five problems left to do in P Chem, I didn't call Barbara—in fact, things are tough all over. Not too much doing on the athletic front last week. As you have probably read in my colleague's adjacent paragraphs, the water polo team put up a fine fight against our professional friends out Westwood way, while the cross-country team looked greatly improved as they ran a close second to Compton.

Barn Events

There were a few competitive sporting events held at a very recent barn dance in which many varsity athletes took part. There were men in the crew race who are expected to put out 60 minutes of ball next Saturday out in the orange groves in Redland, while a well-known aquatic star was seen lugging his own swimming pool of the brew around, occasionally taking a quick dip. And don't forget the basketeer who found it possible not only to smoke, but also to flip vodka down his throat without putting out the flame.

Hate to be prissy about training, but I can't forget the fact that we don't have two or three teams that we can send in if the first squad starts reaching for the water bucket. There is not a coach or doctor in the game that will tell a guy it won't bother him to smoke or drink. This is not the W.C.T.U. Lecture No. 8076; it's just a reminder to you "athletes" that you could play a little bit harder, and run a little bit faster if you stuck to training.

Boiler Factory

It would be good to see a few of you happy people at the Redlands game Saturday. This is going to be the best brawl all season. Which rings me to a short honk on the brittle beak about the student body showing up for the games away. There is nothing quite as depressing as playing on somebody else's home grass. When your opponents score it sounds like a boiler factory, while when you score the clank of a Pepsi bottle in the 30th row shatters the silence. Let's everybody get out to the Bulldog game to help bring home the first League Victory this year.

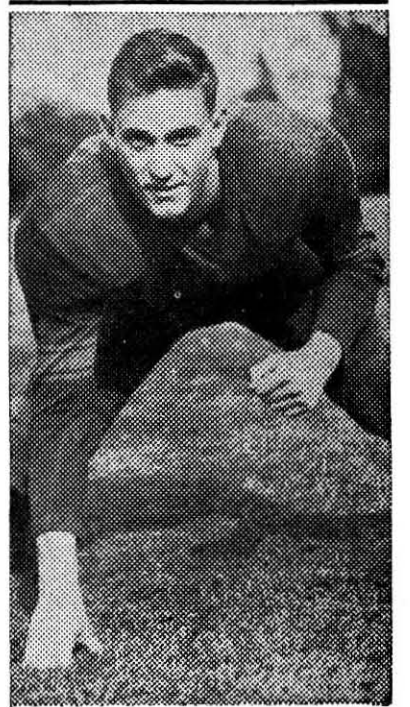
uled to fill this spot, Frosh court practice, originally scheduled to begin November 24, will be moved up one week to start next Monday. One failing of the football team which Coach Ed Priesler would like to have eliminated is too small a turnout. It takes numbers to provide the necessary substitutions.

Also noticeably missing from Freshman pigskin battles was the moral support of classmates. A team will undoubtedly function better if the boys are strutting their stuff for a contemporary cheering section on the sidelines. Your casabamen are going to win games, Freshmen, so let's have a little cheering out there when the first battles roll around.

Meanwhile, let's have everybody out for tomorrow's contest with Whittier.

Saturday afternoon Caltech will face the conference-leading, two-time champs, and highly favored in this contest, Redlands Bulldogs. By downing Oxy last week, 8-7, the Bulldogs placed themselves at the undisputed top of the league, but still anything can happen and usually does.

Upsets in the Southern California Conference are very common and possibly the Engineers can take this one. It is do or die for



DON HIBBARD
Cal. Tech Eng

the Beavers; this is the last chance for them to get into the conference win column. Also it is about time for the Engineers to show; the last two games were nip and tuck all the way and if the lads can show that last-minute push, maybe they will bring home the bacon.

In their game with Oxy last Saturday the Bulldogs really showed their stuff. As ground gainers they are not too hot, but their somewhat unorthodox passing seems to click all the time. On defense, the Redlands pigskinners are short of sensational. The line charges hard and fast which puts them in the backfield very rapidly. Mr. Ross of the Bengals certainly found that true last Saturday. If Coach Anderson intends to take to the air, he had better take care; the Bulldog pass defenders seem to have glue on their fingers. Even with everything against the Beavers on Saturday, they have never said die yet and should give the Bulldogs a good game and may even walk off the field the victors.

STARTING CALTECH

LINEUP FOR REDLANDS GAME

- LE—Don Hibbard
- LT—Bob Walquist
- LG—Craig Marks
- C—John Gerpheide
- RG—Fred Darms
- RT—Dennis Long
- RE—Warren Marshall
- Q—Milt Strauss
- RH—Don Baker
- LH—Jerry Wozniak
- F—Doug MacLean

INTERHOUSE TROPHY POINT STANDINGS

Dabney	35
Throop	25
Ricketts	24
Fleming	22
Blacker	5

PASADENA BOWLING COURTS

970 East Colorado
Rendezvous of Caltech Bowlers
Open 11 a.m. to 1 a.m. SY. 3-1341
Special Student Rate before 6 P.M.
except Saturday, Sunday, and Holidays
20c Per Line

Do you buy \$50 shirts?

\$35 neckties?

... if so—read no further



BUT ...

If you are a veteran — on a G.I. budget ...

If you don't light your cigars with five dollar bills ...

If you want VALUE, QUALITY and AMERICA'S FAVORITE COLLEGE STYLES ...

"ASK FOR ARROWS"

Shirts	from \$3.25
Ties	1.00
Shorts	1.00
Undershirts85
Sports shirts	5.00
Handkerchiefs35

ARROW SHIRTS AND TIES

HOTALING'S

TWO STORES

54 E. COLORADO ST.
921 E. COLORADO ST.

CARL'S CALTECH BARBERS

5 GOOD BARBERS—APPOINTMENTS IF DESIRED

ON CALIFORNIA NEAR LAKE

Ice Skating

Daily 2:30 to 5, 7:30 to 10:30
Sat. & Sun. Morn. 10 to 12:30

Skates for Rent
Instructions

Pasadena Winter Gardens

171 S. Arroyo Parkway

YOUR COLLEGE SPORTS SHOP

Headquarters for Tennis Sportswear

WYNN MACE Tennis Shop

Phone SYcamore 6-5804
904 EAST CALIFORNIA ST.
Pasadena, Calif.

Associated Oil Sta.

Lake & San Pasqual

Not a classy layout, but Best Products & Service

McKelvey Reviews Marshall Plan For Y

An enthusiastic audience filled 119 Kerchoff last Monday evening for the second Caltech "Y" Forum series on current affairs. Dr. Raymond G. McKelvey, chairman of the Occidental Political Science Department, discussed "The Marshall Plan—What It Is, And What It Isn't."

It was obvious that Dr. McKelvey unqualifiedly favored the Marshall Plan, but was very careful to point out the objections to it.

"Europe never recovered from the First World War," pointed out Dr. McKelvey in explaining the need for European aid. Wrecking of the transportation system, systematic looting and labor displacement by the Nazis, "liberation" by the Russians, and catastrophic crop conditions were listed as contributing factors.

The Oxy professor was careful to point out that inter-European co-operation was an integral requirement of the Marshall Plan; the impending customs union of Belgium, The Netherlands, and Luxembourg was cited as an encouraging tendency.

In regard to dangers to American economy resulting from extended European aid, Dr. McKelvey scoffed at "subjective fears," except for the question of inflation. Here, Dr. McKelvey exercised his subtle brand of humor by adding, "Inflation may not be stimulated . . . IF . . . Congress enacts some of the wartime controls . . ."

The speaker's easy style, concise language, and masterly grasp of his material won him a receptive audience.

G. I. BILL STUDENTS

(Continued from Page 1)

Any person with the problem of non-receipt of subsistence can go to the Veterans' Affairs Office and fill out a complaint form, which Mr. Miles will refer to the Veterans' Administration. For other problems (insurance, etc.) it will be necessary for student-veterans to go to the Pasadena VA office, 135 No. Marengo.

New Students

New students should bring in their Certificates of Eligibility as soon as received. They cannot be enrolled by the VA or draw subsistence until such certificates are turned in.

For additional information regarding Veterans' Affairs, students should contact Mrs. S. P. Collings, advisor, in Room 118 Throop, or call Extension 318.

Y LUNCH CLUBS

(Continued from Page 1)

psychologists will be started. A trip to a labor union meeting is also planned.

As the speakers for all clubs are drawn from the same group, the other clubs will have the same opportunities.

WHETHER PIGS HAVE WINGS

(Continued from Page 2)

quantum mechanics, and had emerged victorious. As he strolled out through the door with an arm about his queen, it was evident that all the wisdom of Vector (in all her n-dimensions) would be of as much avail to this Techman as barking lessons for Rover. Who knows? There may even be more of his type around!

OAK KNOLL CLEANERS and TAILORS

Let a Vet Serve You
THREE-DAY CLEANING SERVICE

FOUR-DAY LAUNDRY

902 East California
(4 Doors East of Lake on South Side of St.)

Corona Del Mar Is Scene Of Biology Club Field Outing

At the invitation of Prof. G. E. MacGinitie, the Biology Club held its first field trip of the year last Saturday at Corona del Mar. Arriving there early enough to disturb a pet octopus while having its picture taken eating breakfast, the club members proceeded to disrupt completely the serene atmosphere of the laboratory. After tormenting most of the animals in the lab in an effort to make them perform, and from their performance learn something as to the varied nature of marine life, the club was taken on an excursion in the lab's prize motor launch, the "Sea Urchin."

In dredging the ocean floor outside Newport Harbor entrance to obtain a representative sample of sea creatures living there, many interesting specimens were displaced from their natural abode. The climax of the day occurred in returning to the laboratory when one of the more enthusiastic members of the party took an unexpected plunge in the cool Pacific waters.

Even after such a notorious display of ignorance, the club's welcome at the Marine Lab was extended to make possible other visits during the coming year.

FROSH MEET WHITTIER

(Continued from Page 5)

Roland Berner, tackles; George Suman, Neal Pings, or Dick Marsh at guard positions, and Don Schmid and Noel Reed, ends.

The Frosh game against Pepperdine, originally scheduled for Nov. 22, has been cancelled, and an alternate game may be substituted with a local Jayvee team. Starting time tomorrow night will be 7:30 on the Poet field.



SWING YOUR PARTNER!

Well, Beavers—What are you wearing to the Barn Dance? We have a goodly group of jeans and cords and gaudy plaid shirts—all certain to give you plenty of wear after the dance is over.

Nash's Men's Shop
Street Floor

Nash's of Pasadena

Newman Club Reorganized By Rev. James O'Reilly

Don Merrifield, '50, announces a meeting of all Caltech students interested in reorganizing the Caltech Newman Club next Monday, Nov. 17, at 4:15. This club, which existed at Caltech before the war, will be under the direction of Rev. James D. O'Reilly, a graduate student in physics. Dr. Don M. Yost, Professor of Chemistry, will be the faculty sponsor.

The purpose of the Newman Club is to provide a meeting of Catholic students in non-Catholic colleges. These meetings will be essentially informal discussion

TECH SERVICE LEAGUE

(Continued from Page 1)

which had previously been a sick bay was obtained by the Institute and is now approaching completion. It will have six beds, 24-hour nursing service, a full-time physician, and meals will be prepared in student house kitchens. The league is not only decorating but helping to otherwise furnishing this building. Mrs. Morgan Ward, Pasadena, heads the committee in charge of this.

groups. The first meeting will be held in the Y-lounge on Monday, Nov. 17, at 4:15. All students interested in Catholicism are invited to attend.

Wives and Children

With convalescent care of students being provided for, the league has next turned to a program of welfare aid for students' wives and children. Out of this came a decision to do two things—establish a well-baby clinic and also a baby furniture and equipment pool. Both are now in their early stages of operation. The well-baby clinic is being held one afternoon each week by Dr. Belle D. Poole, supervisor for the Southern California District of the State Maternal and Child Hygiene Department. Co-operating with her in conducting the clinic is the City of Pasadena Health Department. Mrs. P. K. Walp, Westwood, heads the committee in charge of this project.

Loan Equipment

Bassinets, bathinettes, playpens, baby scales and other types of infant equipment are already being contributed by members and others to establish a pool of such equipment for loan to married students with families. Mrs. Archibald Young, Pasadena, is chairman of the committee in charge of this project.

Committee members other than those mentioned above include Mrs. William S. Long, Brentwood, chairman, and Mrs. A. H. Sturtevant, Pasadena, co-chairman of the membership committee; Mrs. G. W. Beadle, program committee; Mrs. Harry W. Hitchcock, San Marino, by-laws; Mrs. H. R. Simons, San Marino, student welfare.

"THERE'S ONLY ONE CIGARETTE FOR ME... MY FAVORITE CHESTERFIELD"

Joan Bennett

MISS BENNETT IS AT HER BEST IN RKO RADIO'S CURRENT PICTURE "THE WOMAN ON THE BEACH"

A B C

Always Buy CHESTERFIELD

A ALWAYS Milder
B BETTER TASTING
C COOLER SMOKING

The sum-total of smoking pleasure