

## DuBridge To Give Atomic Talk At Culbertson Assembly Today

Discussion to Center on Answers to Questions of Scientific and Domestic Aspects of Nucleonics

Will atomic power plants supply the future energy of the world?

What of the physiological effects of atomic radiation? These questions may be answered today at 11:00 in Culbertson Hall when President L. A. DuBridge will speak on atomic energy. This will be the first address to the student body this year by Tech's popular President.

In addition to his numerous duties as President of the Institute, Dr. DuBridge is a member of the General Advisory Committee to the Atomic Energy Commission. He was head of the MIT Radiation Laboratory before coming to Caltech and is considered by many to be one of the five most outstanding scientists in the atomic energy field.

His informal address will be primarily on the scientific and domestic aspects of atomics rather than the international situation. Considering Dr. DuBridge's work in this field, it may be that the will give some clue as to the future economic and scientific role of atomic energy in this country. His informed address is certain to be timely, interesting, and entertaining to all, and this assembly will be one not to miss.

## Elimination Rounds For Bridge Tourney

Bring your favorite partner to Ricketts dining room next Tuesday, Jan. 11, at 7:30 p.m. for the opening of the first bridge tournament this year.

### Practice Session

The elimination round for the National Intercollegiate Bridge Tournament is expected to be held at Tech sometime in February. The present tentative plans call for several rounds of practice sessions to offer opportunity for players to familiarize themselves with the idiosyncrasies of duplicate play. These practice sessions will also permit selection of the stronger pairs for both the N.I.B.T. and the subsequent interhouse competition. Thus these will be open match point duplicate to afford maximum practice.

### Speed Play

It is hoped that the presence of a tournament director in conjunction with a time limit on the play of each pair of hands will speed up the play sufficiently that only part, instead of all, as in previous years, of the evening will be consumed. So come prepared to play fairly rapidly.

### Inter House

Subject to the wishes of the majority of the players, it is planned to have inter-house competition for the Goldsworthy Trophy during the spring term. This will be double team-of-four matches requiring the four strong pairs from each house.

## Thanks

The staff of the Tech takes this opportunity to thank, on behalf of the students living in the student houses, whoever was responsible for leaving the heaters on all night last Monday, Tuesday, and Wednesday.

## Campus Calendar

- THURSDAY, JANUARY 6—12:00 Y Upperclass Luncheon  
12:15 Throop Club meeting.  
7:15 Dancing Class, Culbertson.
- FRIDAY, JANUARY 7—11:00 Assembly, Dr. DuBridge, "Atomic Energy."  
7:30 Demonstration Lecture, Dr. Stock, 201 Bridge.
- SATURDAY, JANUARY 8—3:00 Frosh Basketball vs. Redlands at P.C.C.  
7:30 Basketball, Caltech vs. Redlands at Glendale High.
- SUNDAY, JANUARY 9—7:30 Caltech Musicales, Dabney Hall Lounge.
- MONDAY, JANUARY 10—11:00 Chester Barnard, "Engineering Management."  
4:20 Inter-House Bowling, Pasadena Bowling Courts.
- TUESDAY, JANUARY 11—12:00 Y Frosh Luncheon.  
7:30 Band Practice, Culbertson.
- WEDNESDAY, JANUARY 12—7:30 Fencing Class, Dabney Dining Hall.  
7:30 Orchestra, Culbertson.  
9:00 Glee Club, Culbertson.

## U. S. Air Force Offers Chance For Experience

Here's a chance for Caltech upperclassmen to get both flying and executive experience with the U.S. Air Force.

Major Richard C. Watson, Aviation Cadet Procurement Officer from Fourth Air Force Headquarters at Hamilton Field, Calif., will visit Caltech on Monday and Tuesday, the 10th and 11th of January.

### Will Explain

The purpose of Major Watson's visit is to explain to all



Maj. Richard C. Watson, Fourth Air Force, One-Man Team.

interested students the functioning of the Aviation Cadet Program in the postwar Air Force. He will also be prepared to give the preliminary written examinations to those students who wish to qualify for Aviation Cadet training in the future.

### Provisions

Here are the provisions of the Air Force pilot training: to qualify you must be a male citizen, between 20 and 26½ years old, physically sound, and have at least two years of college (or be able to pass the equivalent examination administered by the interviewer). Both single and married men may now apply.

### Eight Classes

Eight classes of Cadets will be trained each year instead of three as was the practice in the past. Those who qualify will take a 52 weeks aviation Cadet-Pilot training course, with pay. When the course is completed a commission in the Air Force Reserve is awarded with up to \$336 a month pay, and a three year assignment as pilot with an Air Force Squadron.

### Anxious

The Air Force is anxious for all men qualified to take the preliminary written exams. Passing the examinations does not mean enlistment but gives the Air Force a much better index as to the number of men who can qualify as Cadets. Those who pass the exams will be given the opportunity to choose Cadet classes that begin after the completion of their schooling.

## Rules Fixed For I-H Snake Trophy

The much discussed Interhouse Scholarship Trophy has finally been agreed upon. The trophy will be awarded third term this year to the house with the highest grade point average for the first two terms of this year, third term of last year not being considered since Throop Club could not produce eligibility lists.

Money is now available to buy the trophy and a committee has been appointed to take care of the purchase. The rules for the presentation of the trophy have also been agreed upon by the interhouse committee.

### Rules

Following is the rules as they have been drafted at present:

The Interhouse Scholarship Trophy is dedicated to the recognition and encouragement of scholastic achievement in the four student houses and Throop Club.

The award shall be made annually in the middle of the third (Continued on Page 4)

## Head Of Rockefeller Foundation Holds Discussion At Tech Monday

## DuBridge Holds Next Fireside

The Caltech YMCA's Sunday night fireside program will continue this coming Sunday with a gathering at the home of Dr. and Mrs. Lee A. DuBridge. Judging from previous visits to Dr. DuBridge's, Techmen who sign up to go are in for a very enjoyable evening.

Other firesides that have been tentatively scheduled for this month are with Dr. Robert T. Knapp, professor of Hydraulics at the Institute, Dr. Robert A. Millikan, and Mr. Roy Bush, a prominent Institute Associate.

### Large Gatherings

The Y's program of Firesides is designed to enable Tech students to meet the faculty and prominent Pasadena citizens in their homes on an informal basis. The discussion is usually nothing more technical than a good bull session.

Inasmuch as the five firesides held last term were remarkably successful, now that the program is better known on campus, even larger gatherings are anticipated.

### Lists Posted

If you wish to go, please sign one of the lists posted in the four houses and in Throop Club. And if the lists are filled, don't hesitate to sign as a substitute because very often men drop out because of a sudden overload of work.

## Orchestra And Glee Club Show Gain In Quality With New Director

The orchestra and the glee club are starting off this term with a good record in the past and great ambitions for the future. The members will be rehearsing every Wednesday night looking forward to another performance even more successful than last term's assembly.

It is planned to present a concert sometime early in third term. This production will be rather ambitious, requiring the Glee Club, orchestra, and a female chorus. The women's voices will probably be recruited from a girls' school located east of Caltech.

### Novel Event

For those who were not fortunate in being present at the assembly given last term, it might be mentioned that it was a novel event at Tech. Probably for the first time in many years a performance of this kind was given which did not need the common excuse, "After all, this is a scientific school, and the students can not be expected to excel in music." The performance, although suffering slightly in comparison with Los Angeles Philharmonic concerts, definitely had merit musically.

### Well Performed

The orchestra's feature presentation, the first movement from Mozart's G minor symphony, was quite well performed. Admittedly, the fast runs did not quite show the clarity that comes with a professional performance, but many college orchestras of larger and more experienced membership would have difficulties bettering it. The glee club's presentation of "Lo, How a Rose E'er Blooming" also showed a new feature to Tech: that of good balance between the various parts.

### Credit the Director

The credit for this great change in policy and accomplishment belongs to the director of both groups, Mr. Lauris Jones.

## Chester Barnard Author Of Book, "The Functions Of The Executive"

Former President of New Jersey Bell Telephone Company Visiting Pacific Coast on Inspection Tour of Projects

Both Engineering and Science students will be vitally interested in an informal discussion period which will be held in the Dabney Humanities Lounge on Monday at 11:00 a.m., presided over by Mr. Chester Barnard, President of the Rockefeller Foundation, and former President of the New Jersey Bell Telephone Company.

### Techmen Lucky

Dean Foster Strong stated this week that Techmen are fortunate in having Mr. Barnard here at this time. A series of lectures which he delivered at Princeton, Harvard and M.I.T. on the general subject of the executive's position in business management was amplified into a book "The Functions of the Executive," which is recommended very highly as reading material for those who hope some day to assume higher administrative responsibility.

This will be something novel in assemblies to many of you. In the past such assemblies have been very successful. The idea is for a group of talented Tech students to entertain the Oxy student body at their assembly Thursday, and in retaliation an Oxy troupe, including thespian members of the opposite sex, will present a talent show for us on Friday.

This will be something new and refreshing for fellow men in the monastary. The details are still being worked out, and there will be more information in next week's issue.

Mr. Barnard is in Southern California on an inspection tour of Rockefeller Foundation activities, and had not planned on any formal speaking engagements. He was prevailed upon by Dr. DuBridge to make an exception to his itinerary and visit Tech for an informal talk.

### Inspection Tour

Dean Strong emphasized the importance of the maintenance of an informal atmosphere during the discussion, and urges all upperclassmen, especially those who contemplate work of an administrative nature, to attend this period primed with questions which Mr. Barnard should be well qualified to answer.

### Informality

One of the most important questions which Mr. Barnard may discuss is that which puzzles many Engineering students attempting to decide between graduate work in engineering or further training in Business Administration. These and other questions will be the order of the morning in what promises to be a profitable and interesting seminar.

### Important Question

There is really no reason for the unfeasibility of a membership of over one hundred in these organizations. There are many students and others who play musical instruments or who have played them in the past, but have just neglected them. Here is an opportunity to get back in practice, spending only an hour and a half per week and learning how to thoroughly enjoy creating better music. Furthermore, in connection with the glee club, everybody is born with a voice and it does not take a tremendous effort to develop that voice to a fair singing proficiency.

### More Members

An inability to read the music is no bar: essentially all you have to do is follow those who can read. Then eventually those who at first did not know one note from another will form a new nucleus of good singers to guide further new members.

### Opportunity

Here is an opportunity for everybody to learn something about music and derive a great amount of enjoyment from it. There is no reason for not having organizations whose size will make the Culbertson Hall stage prohibitive to a performance there.

### Time and Place

Remember the time and place, Wednesday night in Culbertson Hall, 7:30 for orchestra and 9:00 for glee club. And let's have ever increasing support from those associated with this school who are not necessarily students!



Dr. Paul Popenoe

### Basic

The first lecture is basic, dealing with the fundamentals of reproduction and mating. The second is concerned with the problems arising from elementary differences in the psychology of men and women. The final lecture is concerned with the problems of custom and codes of morals which modify sexual behavior.

(Continued on Page 4)

## Gutenberg, Richter To Attend Meeting In New Zealand

Dr. Beno Gutenberg, professor of geophysics and director of the Caltech Seismological Laboratory, and Dr. Charles F. Richter, associate professor of seismology, will attend a meeting of the Pacific Science Congress in New Zealand during the month of February.

The two Caltech scientists will make the trip by air and will leave Pasadena on January 24, returning to the campus in February. Both will present papers at the meeting on special problems in seismology as related to the Pacific area. Dr. Gutenberg was extended a special invitation to present paper at the meeting by the Royal Society of New Zealand. The meeting of the Pacific Congress will be the first since the war, the last one having been held in 1939 at Berkeley, California. Only scientific problems as they relate to the Pacific area are discussed at the conference.

## Interview Schedule

- JAN. 6—U. S. BUREAU OF RECLAMATION—Bertha L. Cooper, Interviewer. The Davis Dam Unit, Phoenix, Arizona, has a requirement for P-1 rating Engineers in Civil, Structural and Mechanical options. Electricals not needed on Davis Dam but may be used on other projects.
- JAN. 10 AND 11—THE U. S. AIR FORCE—Major Watson, Interviewer. Postgraduate course in aviation. Single and married men between 20 and 26½ years old, physically sound, and have at least two years of college or able to pass equivalent examination. Walk in at any time of day between 9:00 a.m. and 4:30 p.m., 108 Dabney, and representative will be there. Special announcement on boards and in paper.
- JAN. 12—CALIFORNIA STATE DEPARTMENT OF PUBLIC WORKS, Sacramento, Calif. J. G. Standley, Asst. State Highway Engineer, Interviewer. Concerning Junior Civil Engineering examination on February 19, 1949, last date to file, January 29. Group discussion 9:00 a.m. Professor Michael's Senior Civil Engineering class, after which private interviews are to be scheduled by those men who desire one in Placement Office.
- JAN. 13—RAND CORPORATION, Santa Monica, Calif.—Mr. J. C. Clerk, Administrative Dept., and Mr. Geo. Clements, Technical Dept. to interview Aeronautics men who have been notified.
- JAN. 14—U. S. PUBLIC ROADS ADMINISTRATION—Mr. H. A. Alderton, Senior Highway Engineer, Interviewer. Civil Engineers, SP-4, SP-5 and P-1 grade, that is men who have completed two and three years of Civil Engineering as well as those who are to graduate in 1949. Summer and Permanent positions. Highway Engineer Training Program where men are trained in fundamentals of Highway Engineering. Closing examination date—February 23, 1949.
- JAN. 17—CALIFORNIA STATE DIVISION OF WATER RESOURCES—Mr. Geo. B. Gleason, Interviewer. Seniors or Juniors with one year experience) for P-1 rating examination for research work in ground water and water supply studies. No construction or design, more the investigative type of work. Prefer men with hydraulic and hydrographic training. Title of position—Junior Civil Engineer. Last day for filing—January 29, 1949. Some openings in Los Angeles, and many openings in Northern California.
- JAN. 18—CALIFORNIA STATE PERSONNEL BOARD, Sacramento, Calif. Mr. C. Stewart Warner, Recruitment Representative. Junior professional positions with State of California, open in Sacramento and Los Angeles. [P-1 rating men—Junior Civil, Electrical, Mechanical, Structural engineers, Chemists, and Aquatic Biologists.

# The California Tech

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Jim Hummel, Editor

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## THE EVENING CONCERT

Presented by the Southern California  
 and Southern Counties Gas Companies  
 Radio Station KFAC  
 8-10 p.m.  
 Program for the Coming Week

FRIDAY, JANUARY 7, 1949

A Program of New Recordings

ON THE STEPPES OF CENTRAL RUSSIA, by Borodin. The Philharmonic Orchestra conducted by Constant Lambert (7).  
 SYMPHONY IN D MAJOR, by Cherubini. Chamber Orchestra of Royal Conservatory, Naples, conducted by Adriano Lualdi (28).  
 WITOLD MALCUZYNSKI, Pianist  
 CONCERTO NO. 2 IN A MAJOR FOR PIANO AND ORCHESTRA, by Liszt. The Philharmonic Orchestra conducted by Walter Susskind (20).  
 COPPELIA BALLET SUITE (COMPLETE), by Delibes. Royal Opera House Orchestra of Covent Garden conducted by Constant Lambert (32).  
 DIVERTIMENTO No. 11 IN D MAJOR (K. 251), by Mozart. Dumbarton Oaks Festival Orchestra conducted by Alexander Schneider (24).

SATURDAY, JANUARY 8, 1949

THE RHINEGOLD (EXCERPTS), by Wagner. Philadelphia Orchestra conducted by Leopold Stokowski (22).  
 SIEGFRIED, by Wagner. Representative Passages performed by Famous Soloists.

MONDAY, JANUARY 10, 1949

ROMEO AND JULIET—OVERTURE FANTASIA, by Tchaikovsky. National Symphony Orchestra conducted by Albert Coates (20).  
 SYMPHONY No. 34 IN C MAJOR (K. 338), by Mozart. Boston Symphony Orchestra conducted by Serge Koussevitzky (20).  
 RUDOLF SERKIN, Pianist.  
 CONCERTO No. 2 IN B FLAT MAJOR FOR PIANO AND ORCHESTRA, by Brahms. Philadelphia Orchestra conducted by Eugene Ormandy (44).  
 MEFISTO WALTZ, by Liszt. Boston Symphony Orchestra conducted by Eerge Roussevitzky (11).  
 TOCCATA AND FUGUE IN C MAJOR, by Bach-Weiner. Minneapolis Symphony Orchestra conducted by Dimitri Mitropoulos (15).

TUESDAY, JANUARY 11, 1949

OVERTURE IN F MAJOR, by Hugo Weisgall. Czech Broadcasting Symphony Orchestra conducted by Weisgall (8).  
 SYMPHONY No. 4 IN A MINOR, by Sibelius. Philharmonic-Symphony Orchestra of New York conducted by Artur Rodzinski (32).  
 ALBERT SAMMONS, Violinist.  
 CONCERTO FOR VIOLIN AND ORCHESTRA, by Delius. Liverpool Philharmonic Orchestra conducted by Sir Malcolm Sargent (24).  
 FALSTAFF—SYMPHONIC STUDY, by Elgar. London Symphony Orchestra conducted by Sir Edward Elgar (32).  
 MAM'ZELLE ANGOT—BALLET, by Lecocq. Royal Opera House Orchestra of Covent Garden conducted by Hugo Rignold (16).

WEDNESDAY, JANUARY 12, 1949

THE WATER CARRIER—OVERTURE, by Cherubini. Symphony Orchestra of Turin conducted by La Rosa Parodi (8).  
 SYMPHONY IN B FLAT MAJOR, by Chausson. Chicago Symphony Orchestra conducted by Frederick Stock (30).  
 ALEXANDER KIPNIS, Basso (30).  
 Selections.  
 SLOVAK SUITE, by Novak. Czech Broadcasting Symphony Orchestra conducted by K. B. Jirak (26).  
 KAZKA—A FAIRYTALE, by Rimsky-Korsakov. The Philharmonic Orchestra conducted by Constant Lambert (16).

### Attention . . .

Anyone who would like to see the program of the Slavik Jewelry Company hour printed in the Tech, drop a note in the box in Lower Throop. If there is sufficient demand, we will print this program also.

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## CAMPUS BREWINS

Between draining our radiator and nursing ski injuries, Hummel is lucky to get any copy at all this evening.

Not that nothing happened over vacation. Techmen, blissfully relieved from the ardors of academic discipline, gave way to their innate untidy and immoral natures.

Of more than passing interest is the crew that descended on Alta, assertedly for a few weeks of skiing. Dirty John Whittlesey had other ideas, and industriously set about making contacts among the unsuspecting locals. Several nights later, Dirty John's comrades restrained him from committing suicide; for all the fruits of his labors fell to the Shuss (a wild affair with a waitress), DuFort and Bennett (a smooth affair with U of O coeds), and Walquist (a gory affair with a ski pole).

Editor's Note: Schuster spoke highly of the powder.

### Traditional Orgy

Throop Club peered hazily at the New Year with a sophisticated sort of party. The only unpleasantness in the evening occurred when Tyson got excited and began throwing confetti in everyone's drinks. We're politely overlooking the number of Throop couples disporting themselves with Bacchanilian glee. There was enough popcorn to choke a horse, but happily Cuse was on hand.

A slew of alumni showed up later in the evening. Mittenenthal, Mully, Auerbach, and Warren Marshall.

### Long Live the Queen

Not many hours after the party broke up, Don Royce was selling programs to the Tournament of Roses millions. His customers pointed with embarrassing looks to his smeared trousers.

Royce insists it was red dye.

An earlier development to the Pasadena publicity gag found a number of disgruntled and unemployed Tech men milling around the embryo floats. Less jobs decorating the floats turned up than originally announced. Flaming voices altered their usual chorus to join in on Hip! Hip! Hoolya!

### Tales From Near and Far

There they were at six thousand feet. Twenty-two frightened humans huddled in a great transport winging its way over the frozen wastes of Kansas. The ship suddenly shudders, then drops into a spin. The door to the cockpit is locked, but Mighty Stu Goldman bends his strength, and the lock snaps. With a leap, Allan Haber is in the unconscious pilot's seat. Quick, sure, knowing movements bring the great ship under control. There is a sigh of relief, then a tremendous, Hurrah for Haber. The lovely stewardess throws her arms around the young hero's blushing neck. Hendrickson becomes sick.

The reputation of this column for accurate reporting necessitates our reservation that the above story is not completely verified yet, but except for a detail here and there, the facts of the great Haber-Goldman Christmas Flight are printed as they will go down in history.

### Our Heroes of the Week!

Another trip almost as exciting was reported by Joe Cain. The Dabney swain (a serious rival for Knopfler's position as House Lover) rode all the way back from his vacation with an Oxy girl. He doesn't know her name, but we hear she's awfully nice.

Bob Stanaway, while at home in the frigid tundra, went out every night with his girl, Jill, and stayed out real late. You ought to talk to Victor van Lint.

### Profit and Loss Department

The earliest bid for increased GI allowance came from Don Baker. A San Diego affair, about the entire football team showed up. We understand the wedding was successful.

Frank Skelton got married. Did you say Frank Skelton? Yes, Frank Skelton. He got married. Not only that, but last week he was passing out free beer and cigars.

Smoot is out at Scripps again. Bill Sampson of Golden Goose fame has relinquished his rights to a pin to an Orr Hall fem. And while we're reading that teletype, we note that . . . Ye Gods, it's not true! This is going to come as a great blow to the Fleming Athletic Under-Graduate House (FAUGH!)—one of the highest of the high, noted for singleness of purpose, and devotion to the cause, that's Bobby Funk, has went and got engaged!

### Stories You Wouldn't Tell Your Roommate Department

Ottestad spent the vacation in Santa Barbara. He knows a girl there, too.

Santa Barbara boasts the finest (Continued on Page 4)


## The Front Burner

The Holiday Season tradition at the Pasadena Playhouse was certainly well maintained in the production of Clarence Day's "Life With Father" which closes this Sunday night.

Although we have seen more sparkling presentations of the Lindsay-Crouse adaptation, there was still a great deal of fun in joining the Day household. Thomas Browne Henry roared through Father's lines convincingly and with mischievous good-humor. We were let down most horribly by Jean Inness as Vinnie—who several times suffered from a most disconcerting forgetfulness.

The only other discomfort was in not being able to hear Lillie Burden as Margaret the Cook, and thus we missed some very wonderful retorts to the "head of the house." The rest of the cast was quite adequate—the sons, Robert Whitman and Douglas de Palma, carried the cure-all medicine well.

Perhaps we could start the New Year off in no better way than to renew an enthusiastic recommendation of the Playhouse productions. We are always astounded at the large (Continued on Page 4)



## HOUSE JACKETS

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# HOOPMEN MEET REDLANDS

## Skiers Prepare For New Season With Meet Today

The recent cold snap, bringing the chilliest weather in the history of Southern California, augers big doings at the Caltech ski hut this weekend. All ski enthusiasts are urged to make reservations and arrangements for transportation in the courtyard between Ricketts and Fleming this afternoon at 12:30. If enough people show up at that time, arrangements for food will probably also be made.

### Club Meeting

The first Ski Club meeting of 1949 will be held in 155 Arms next Tuesday night, January 11, at 7:30. Union Pacific sound films of Sun Valley will be shown, and Dick Springer, who will be ski instructor this year, will talk on the fundamentals of skiing, after the movies. Come around and ask questions.

"What makes you think you're lost without me?"

"Your pretty map, honey, your pretty map!"

## Tech Sailors Lose In Two Day Meet At Newport Harbor

The Caltech sailing team, composed of six stalwart sailors went down to defeat at the hands of vastly superior opposition in the Pacific Inter-Collegiate Yacht Racing Association races.

### Six From C.I.T.

The races, held at the Newport Yacht Club, December 18 and 19, saw Don Royce Allen Beek, Don Shepard, Howell Tyson, Jim LaFleur and Art Cuse sail the preliminary heats of the races in first International 14's and then in Selman singles. The opposition was San Diego State, last year's Pacific Coast champions. They placed their three boats one, two, three in both heats to win very decisively.

### Scoring

The sailing was team style, that is, each school was given three boats and the six men were divided among them. Scoring was one point for each boat finishing the race and one point for each boat beaten, with a 1/4 point bonus for the winning boat.

# Beaver Sports

### Time Out

That night, after the wind had died and the moon had risen, a dance for the collegiate yachtsmen was held in the well-upholstered Newport Yacht Club. With fine music, moon, stars, ocean and the open bar just about perfect, the hurt feeling of the losing yachtsmen was soothed.

### Cal Wins

The next day, with a beautiful breeze blowing from a cloudless sky, the finals were held and when the last race was over, Cal emerged the winner of the fourth annual Pacific Coast Team Championships.

The Tech sailing team is attempting to win school support and to incorporate sailing into the standard list of Institute sports, which will then make the members eligible for letters and other benefits of firm school sponsorship.

### Plans

Plans of the club for the rest of the year, although still tentative, call for an Easter regatta and one or more dual meets with several California colleges.

1st drunk: Shay, yu know what time it is?

2nd drunk: Yeah.  
1st drunk: Tanks.

## Frosh Sports Roundup

By Leon Michaelson

The Freshman basketball team rounded out their third week on the hardwood with a decisive victory over Woodbury College of Los Angeles on the 10th of December. The little Techmen were on top throughout the entire contest and saw a 33 to 24 edge after the smoke of burning basketball shoes cleared away. Woodbury pressed its bid for a victory with only ten points in the first half while the Engineers dropped in 21.

### Hold Lead

For the Beavers, Michaelson was high scorer with 7 buckets and a free throw followed by Snider with seven points. Under the watchful eye of Coach Preisler, the local cagers never let the lead become endangered, keeping the contest a good three baskets safe through well engineered defense.

Here's how they lined up:

|                 |                  |
|-----------------|------------------|
| Tech (33)       | Woodbury (24)    |
| Gray (4)        | RE (7) Dons      |
| Tautz (2)       | LF (4) Blkstone  |
| Michaelson (15) | C (4) Booky      |
| Snider (7)      | RG (10) Thomas   |
| Patapoff (4)    | LG (10) Osterman |

Scoring subs:  
Tech: Ross (1)  
Woodbury: Schanzi (2), Cohen (1).

### Harriers Lose

The Frosh cross country squad played host last Saturday to the visiting conference teams at the All Conference Meet. The Frosh came within a hair's breath of duplicating the win that they watched their big brothers walk off with, but were shy a pair of points. Score: Pomona 46, Tech 48. Here's how they placed: In third place with a very impressive time of 16:52, Pilkington; eighth, Connor; ninth, Parnes; 11th, Fischer; 17th, Butler, and 20th, Rawn.

## Doubleheader Scheduled At Glendale High Sat.; Beavers In Loop Opener

The Engineers start their conference schedule this Saturday night when they play host to the Redlands Bulldogs. As usual the Beavers enter the contest as a poor second. The cagers from the East have won two conference tilts; knocking off both Oxy and Pomona.

### Kreutzberg

The fans will probably see a lot of Kreutzberg who is much improved over last year. From the pivot spot he has been literally pouring the ball through the hoop. But not only does Redlands have a couple of forwards who also like to score with quite reasonable consistency. Jim Parker and Bob Rosenberg are two men whom the Beavers will have to watch very closely or they may run away with the scoring laurels. In the guard spots we find Bill Stanley and H. Waters. Stanley seems to be the Bulldogs long shot artist. His thirty foot swishers have been sailing through with terrifying regularity during the pre-season cage tilts.

### Reserves

In the reserve line-up, the Redlands boys have some pretty fine talent. Dyson Hamner who sparked last year's Bullpups has been turning in very creditable and high scoring performances. Churchill, Webb, Roche, Flora, and Griffith should all see plenty of action against the Beavers.

### Surprise Team

The Bulldogs are one of the surprise teams in the conference this year. Pre-season dope did not even consider them to finish in the money, but the picture has changed. Without a doubt the Redlands cagers are the most improved team in the conference. They have shown fine offense ability and a very sharp defense which bottled up Gene Haas and Locke Olsen; two of the usually hottest men in the conference.

### Steady Defeat

For the Engineers the season has been one of steady defeats. To many the team has been a disappointment, since hopes were high for a really fine club this

season. While material and experience practically overflows the Armory on practice sessions, the boys have not been able to click as a team. No one seems to be able to locate the trouble or cause for the club's inability to score. The boys just can never find the basket. The Beavers have height, speed, and experience, but nothing ever seems to happen. However, this Saturday they might suddenly let out with their latent power and really go to town on a probably confident Redlands team.

### Pivot

In the pivot spot for the Beavers will be either Paul Saltman or Thorne Butler. The "Goon" has had a very fine season so far having about a thirteen point average. At the forward slot should be either Bruington, Bowen, Bass, or Butler, with probably Bowen and Bruington getting the starting nod. At guards Sereno and Cox will fill out the back wall.

### Defense

On defense the Engineers will undoubtedly use a zone defense which will be an unusual sight to most fans who have been seeing the man to man come into such popular use. While defensively the Beavers are pretty sharp, their offense leaves much to be desired. The lads have trouble hitting the hoop and have greater trouble rebounding the offensive backboard.

### Hopeful

Of course, finals, vacation, and a short practice time has not helped this very slow-starting team. Probably the Bulldogs will drop the Beavers Saturday, but wait until later in the season. Coach Shy has his hands full just trying to get the boys in shape and is not planning to win the first few games, but anticipates to finish the season with many surprises.

### First

This game is the first of conference double headers to be played with Oxy. We face the Bulldogs in the opener at 7:30 at the Glendale High School Gym. At 9:00 Oxy faces off against the Pomona Sagehens to fill out a night of basketball. Remember your ASCIT card entitlements you to see both games.

### Frosh to Play

The Frosh will play the Bullpups on Saturday afternoon at 3:00 at the brand new PCC gym. This game should prove to be a very good indicator of how Ed Preisler's charges are going to do this year. Last year Ed had some very tough luck when his boys lost some one point games which would have meant the conference championship. Your student body card is all that is necessary to watch the Beaver-

(Continued on Page 4)



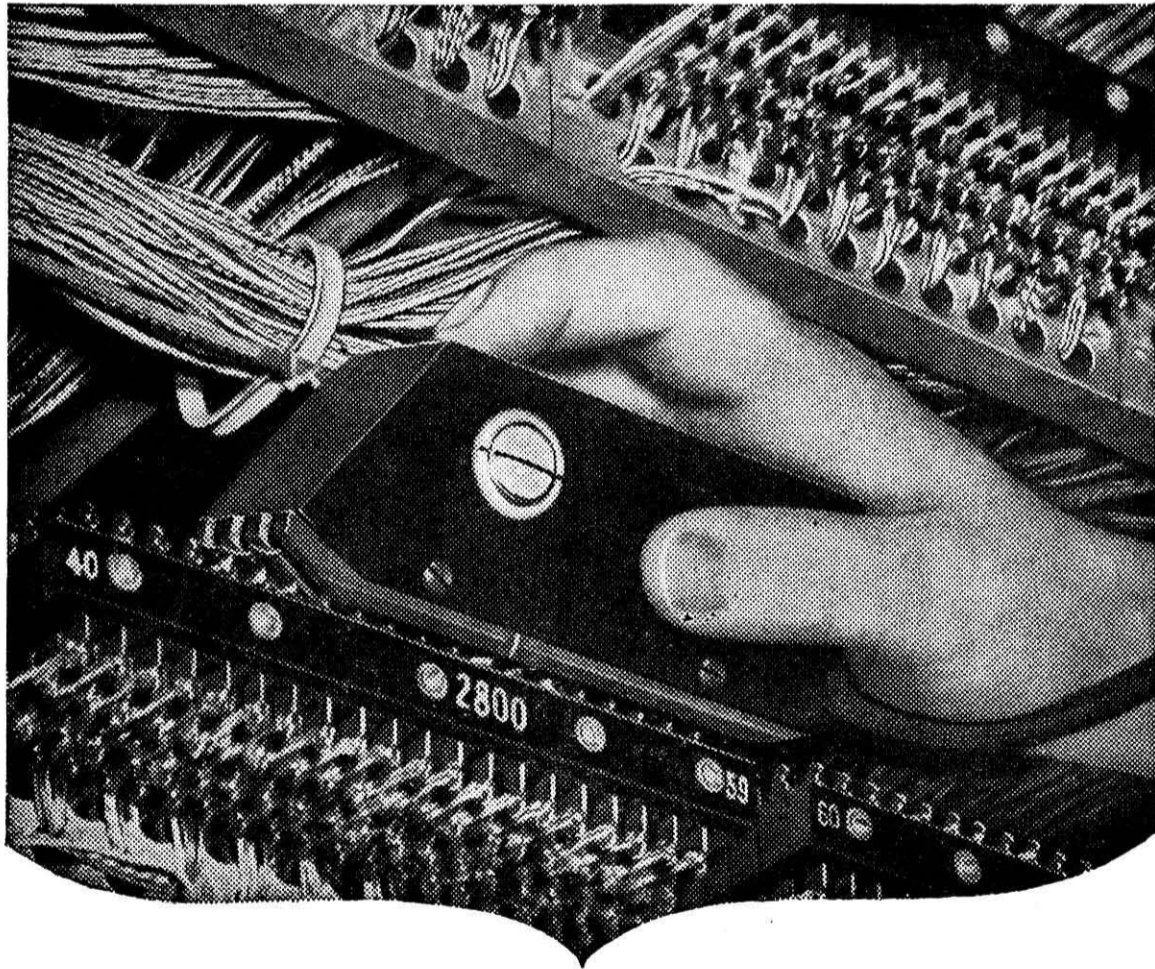
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**Y Doings**  
By Vern Edwards

I was down in the Y office the other day talking over the term's program with Wes, and frankly, it looks pretty good. As you may know, our good friend and able skipper, Burton Housman, decided to trade his slide rule for a liberal arts course and will resume his studies at Pomona College next month. I know I speak for all of us in the Y when I say we wish him a lot of luck in his new field. In leaving Tech, Burton has handed down his presidential responsibilities to yours truly and so it is with a little deeper concern that I look forward to this term's program.

The Tech delegation that attended Asilomar is back full of ideas and inspiration that we hope can be passed on to our local outfit. According to many observers, this past Asilomar Conference was one of the best in recent years and I would certainly support this claim.

The Forums program will get under way this coming Monday when Dr. Popenoe presents his first of three consecutive sex lectures. The Upperclass Luncheon Club under Fred Drury and the Frosh Club under soph advisor Dick Libbey will hold their first meetings of the new year next week. Dave McKenzie has things well under way in lining up the Sunday Evening Firesides.

Several important items will be talked over at the Cabinet meeting tonight and next week at this time I'll be able to give you a little more definite word on "what's doin'" in the Y this term.

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**CAMPUS BREWINS**

(Continued from Page 2)  
est, largest, cleanest, most abundant motels in the State. Bergreen lost the clothes right off his turtle back while coming from Salt Lake City.

Boicourt arrived for registration late Monday night. He had a dead battery at Crestline. Battery, that is. Oxy woman, that is. Boicourt never had it so good.

**Coming Attractions:**

Toll at Fleming.  
Dabney at Browning.  
**Just wait 'til next week!**

**THE FRONT BURNER**

(Continued from Page 2)  
number of empty seats. If you have never been to the Playhouse you are certainly missing a good bet for an evening's entertainment—and an inexpensive one as things go these days.

The new Playhouse presentation, running until the 16th, is the Holm-Abbott comedy "Three Men on a Horse"—which might be laughing fun for anyone visiting Santa Anita these days. And while you are in the play-going mood, don't forget the small productions in the East and West Balcony Theaters. No reservations needed—just be at the door at 8:15 with about 80 cents in change. You are always in for an informal evening whether it be Shakespeare or Shaw.

—J. D. Y.

**RULES FIXED**

(Continued from Page 1)  
term to the House with the highest grade point average. The period of competition shall include the third term of the previous school year and the first and second terms of the school year in which the award is made. The grade point average for each house shall be determined by the Registrar's office and shall be computed by dividing the total number of grade points (credits) by the total number of units carried after the official date of dropping courses for that term. The grade points (credits) used shall be those corresponding to the aforementioned units.

The Throop Club shall be responsible for informing the Registrar of their membership for each term not later than four weeks after the start of that term. Failure to comply with this requirement will make the Throop Club ineligible for that

**HOOPMEN MEET REDLANDS**

(Continued from Page 3)  
babes put on a show of razzle-dazzle ball.

**Remember**

Remember the Varsity game is at 7:30 at the Glendale High School Gym. Let's have a large crowd for the opener and cheer the club on. Remember four schools will be there, so come early to be sure of a seat. **REMEMBER—7:30.**

|                   |   |                |
|-------------------|---|----------------|
| <b>Line-ups:</b>  |   |                |
| <b>Redlands</b>   |   | <b>Caltech</b> |
| Parker .....      | F | Bruington      |
| Rosenberger ..... | E | Bowen          |
| Kreutzberg .....  | C | Saltman        |
| Waters .....      | G | Cox            |
| Stanley .....     | G | Sereno         |

term.  
The Master of Student Houses will be responsible for submitting the membership list of House Residents for the Houses, not later than four weeks after the start of the term.

Men who drop out for other than academic reasons will not be considered eligible and these cases shall be decided by the Dean of Upperclassmen.



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Civil service examinations for engineers, physicians and surgeons, social workers and clerks were among those announced by the State Personnel Board.

The deadlines for filing applications for current examinations are:

January 22: Forester Fire Truck Driver, \$200; Forestry Equipment Operator, \$243; Highway Equipment Operator-Laborer, \$243; Bookkeeping Machine Operator, \$200; Intermediate File Clerk, \$190; Assistant Highway Engineer, \$341; Assistant Mechanical Engineer, \$341; Associate Mechanical Engineer, \$415; Junior Engineering Aid, \$210; and Senior Engineering Aid, \$255.

All applicants must be United

**Y SEX LECTURES**

(Continued from Page 1)  
havior. Dr. Popenoe will examine various attitudes toward sex in an attempt to enable the student to orient himself between sex and society.

The qualifications of Dr. Popenoe are largely expressed by the excellence of the American Institute of Family Relations. This organization is an educational center in Los Angeles devoted to the problems in connection with sex, heredity, love, marriage, and parenthood.

Not a man devoid of error, Dr. Popenoe began his higher education at Occidental, but later recanted through time at Stanford and Columbia Universities.

States citizens. Details about these examinations and application forms may be obtained from the Board's office at 1015 L Street, Sacramento; 305 State Building, Los Angeles; or 107 State Building, San Francisco.

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