BEAT MICHIGAN!

# CALIFORNIA TECH

SORBS

California Institute of Technology
Thursday, January 15, 1948

BEAVER SOARS

SAE-ASME Take Over Monday Aud, Cagers Face Redlands Friday
Talk on Oil Field Engineering Set

At next Monday's assembly, the Society of Automotive Engineers and the American Society of Mechanical Engineers will present Mr. Harold Marsh of General Petroleum Corporation who will talk on "Opportunities in Oil Field Engineering."

Mr. Marsh is a Tech alumnus, having obtained his degree in

Mechanical Engineering in 1922.◆ After a year as a teaching fellow, he took a position with General Petroleum and has been with them ever since. At present, he is Chief Production Engineer, in which capacity he is in charge of production, engineering, equipment, research, and accident prevention in connection with well drilling and other operations of

**Employ Many Options** 

One point which Mr. Marsh will emphasize will be the fact employ many graduates other than ME's. There exists a need also for CE's, Chem E's, Physicists, and Chemists, to-name but a few.

In addition to these remarks about opportunities in the oil fields, the speaker plans to tell about some of the problems and experiences connected with the extraction of petroleum. He will illustrate this part of the talk with Kodachrome slides.

Mr. Marsh is planning the prepared part of the talk to last no more than thirty minutes, so that the question period will be ample to cover all topics of interest to the audience.

The meeting will be held at 11 am., next Monday, in Room 206ME. Everyone on campus is welcome.

### CONTRIBUTORS NOTE:

Copy deadline for The California Tech is 6:30 p.m. each Monday. Articles must be in by that time to insure publica-

# Campus Calendar

THURSDAY, JANUARY 15—
Upper Class Luncheon Club at the training table, 12:00.
Throop Club Meeting, 12:20.
Glee Club Rehearsal in Throop Club, 8:30 p.m.

FRIDAY, JANUARY 16— Student Assembly, 11 a.m. Meeting of Varsity baseball candidates, 11 a.m.

Basketball game. Caltech vs. Redlands,

here.

SUNDAY, JANUARY 18—

Musicale in Dabney Lounge, 7:30 p.m.

MONDAY, JANUARY 19—

Freshman Class meeting, 11 a.m. Freshman Class meeting, 11 a.m. Chem Club meeting in Gates.

p.m. Christian Science Organization Meeting, 208 Dabney, 7:30 p.m.

WEDNESDAY, JANUARY 21—
Frosh Luncheon Club at the Training Table, 12:00.
Orchestra Practice in Culbertson Hall, 7:30 p.m.

THURSDAY, JANUARY 22— Upper Class Luncheon Club at the Training Table, 12:00. Glee Club Rehearsal in Throop Club,

# Band, Orchestra Plan Assemblies

The Caltech Band, which gave such a good account of itself in producing large amounts of noise at last term's football games it is scheduled to go highbrow and present a concert program at a Friday assembly in the next few weeks. To fill out the instruthat the oil fields have cause to mentation, men are needed in both the reed and brass sections, especially the bass clef. All people playing any type of instrument are urgently requested to contact Don Lovelace, Fleming bugle boy, as soon as possible. The next band practice will be held Tuesday night in Culbertson at 7:30 p.m., so come out and help put on a topnotch perform-

> Not to be outdone, the orchestra is also planning a concert near the end of the term. String instruments of all kinds are needed to make our orchestra sound better than the Philharmonic, so if you play any type of instrument, Maestro Lovelace will welcome you at rehearsals every Wednesday night at 7:30 p.m. in Culbertson.

All new music is now being ordered for these two concerts, esting and diversified. Come out an effort to get the ball during last Friday's game. Guard Bob immediately and help select the Stokely waits for the tip. Bevos won, 57-54. program. Support your band and orchestra.

# **CES** Features Mackeown Talk

drew upon his wide knowledge at 4:30 p.m. of this subject to give a brief Any Chemistry majors interresume of the history and cur-ested in joining the Chem Club TUESDAY, JANUARY 20—
Newman Club in Dabney, 4:15 p m., All
Catholic students invited.
Band Rehearsal in Throop Club, 8:30

Resume of the history and cure ested in joining the Chem Club are urged to come to this meetStates Patent Law. He coning. The Club is a regular stucluded his talk by answering the dent chapter of the American

> jointly by the Caltech student ior members of the A.C.S. branches of the American Institute of Electrical Engineers and the Institute of Radio Engi-

so the program should be inter- CRUCIAL JUMP-Ted Bowen, Beaver forward, leaves his feet in

# Films Scheduled

nounced the showing of two Over 100 students and Insti- films of interest to chemists at tute employees attended the its next meeting, Monday, Janmeeting last Monday of the Consolidated Engineering Societies, "Iron and Steel," and "Sugar when Dr. Mackeown of the Cal- Processing and Handling," and DuBridge Sunday night in the tech faculty gave a brief lecture all persons interested are welon. "Patents." Dr. Mackeown come to attend. The meeting is Term.

questions asked by the audience. Chemical Society, and members The meeting was sponsored of the club are automatically jun-

> Students are asked to take special notice of the change of time to 4:30 p.m.

# Tech President

Nearly twenty Tech men were exposed to the facile wit of Dr. first "Y" Fireside of the Winter

### Chairman Comments

According to the Fireside bly the same Tech men. Here is a terrific opportunity to learn

contemporary work. Scheduled soon are Firesides at the homes of Dean Thomas, idea that if each great composer Dr. Stock, Dr. R. A. Milikan, had been a painter instead of a members of the Board of Trus- musician, he would have painted tees, and various Pasadena civic in a particular fashion. These and business personalities.

Tom Tracy's honest efforts to less efforts to reproduce the do good and plan all the minutae emotive effects of music. Recordof last week's firesides were ings of the music under discuslargely successful, although some sion will be played during the persons allege that preparations lecture. Dabney Hall is the adstill could stand some improve-

initiated men will be given preference on the sign-up lists, according to the chairman.

# Glee Club Picture

This week the Glee Club is meeting in Dabney lounge. The change of meeting place is to afford a better background for the picture of the Glee Club which

Last week's meeting brought forward many new members, who will augment the power of this chorus. The club is looking forward to a number of exchange assemblies with other schools.

# League Leading Beavers Set To Drop Bulldogs

By Len Herzog

With a 57-54 surprise victory over the powerful Occidental Tigers behind them, Caltech's league co-leading varsity basketballers will square off against the aggregation from Redlands University tomorrow night at the Pasadena Armory.

The Bevos are undefeated in Conference play, however last Saturday lost to the always powerful Pepperdine amateurs in a hard-fought contest that saw the Engineers leading by six points In their last two games the

# Politics, Culture Set for "Y" Forum

feature Martin Hall, noted journalist and speaker, who will discuss the varied problem of Russian-American relations. The forum will be held Monday evening, January 19, at 7:30 in 119 Kerckhoff.

Martin Hall is a native of Germany and an American citizen by naturalization. He received his education in German universities and has traveled widely in Europe and Russia writing for German, French and English papers. He thus obtained firsthand knowledge of the rise of Nazism and Fascism. After Hitler came to power he joined the Underground and later escaped to the United States, where he has become a prominent lec-

### Cultural Forum

One week from Monday, Jan uary 26, the "Y" will conduct an other expedition into Music and Art in what promises to be the most fascinating lecture to date. Arnold des Plantes, Dutch artist, will exhibit four paintings, over 14 years in the making, interpreting the music of Bach, Beethoven, Tschaikowsky, and

Martin Hall

Mr. Des Plantes developed the

paintings are the product of tire-

mirably-suited location of this

The Annual Sex Series will

be altered somewhat this year

with an opener by the popular

Dr. Mead, followed by an inti-

mate Psychology of Marriage

lecture, and closed with a Forum

These "Y" Forums are a mar-

velous opportunity for maintain-

ing contact with the "outside

world," and more Tech men

should profit from this notable

Special Notice

dates meet in New Athletic

Office Friday, January 16, at

E. T. PREISLER

Varsity Baseball Coach

All varsity baseball candi-

on Modern Psychiatry.

institution.

coming "Y" Forum.

Dogs Dropped Redlands' hoopsters, tabbed as a team to beat at the start of the season, have been dropped in both their league encounters so far. The Whittier Poets, last year's "wonder team," walloped them 60-45, although the game was within five points all the way up until the last few minutes of play, and the Bulldogs were also vanquished by the Oxy outfit. They may come into their own

Beaver Casabamen have demon-

strated considerably more power

than the pre-season dopesters

had figured them for. Their win

over the Tigers, who are practi-

cally invincible in their own di-

minutive gym, was impressive.

It may have been partially due

to the strenuous workouts which

the team received in three con-

tests with the powerful Los An-

geles Police Force five, which

this year boasts many ex-college

and AAU stars.

in Friday's game, but the Beavers are due for a comeback too after their Inglewood misfortune. If the Beavers had not yet made their Eagle Rock showing, the game would rate strictly as a tossup; but on the basis of their Oxy win, the Techmen rate a slight edge, especially since they will be playing on their home

Leading the Bulldog squad will be Rosenberger and Parker at forwards, Leonard at center and Bell and Raine at guards. Rosenberger is high scorer for the team so far, hitting about 14 points in each previous tilt.

All home games this season, pending the construction of the new Caltech gymnasium in Tournament Park, will be played at the Pasadena Armory, as they have been for the last several years. The Armory is located on the West side of Pasadena on Raymond Ave. about two blocks north of Colorado Blvd. Seating capacity is rather limited, and consequently, those who arrive

(Continued on Page 6)



JAN. 16 - Tone Aira Conditioning Co—Carrier—Des Moines, Iowa—Mr. Milton C. Towner— Open Interview—Mechanical Engineers, Senior and Grad. stu-

JAN. 26 — Minnesota Mining & Manufacturing Co, St. Paul, Minn. — Open Interview — Both Senior and Grad, students in Chemistry, Chemical Engineering and Physics.

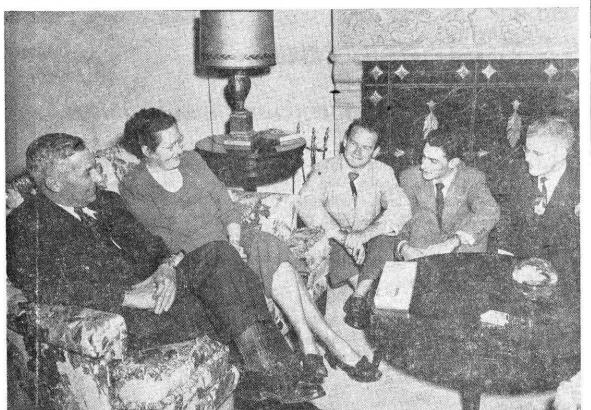
JAN. 27 AND 28-The Procter & Gamble Manufacturing Co., Long Beach, Calif.—Mr. Mills S. Hodge and Mr. Watt-Open Interview for upper half of class scholastically, personality, extra curricular activities. Senior and Grad. students in MS, ChE, ACh, EE, CE, Ch, Ph.

FEB. 10-Ethyl Corp., Research Laboratories, Detroit, Mich.-Mr. Faller-Grad. & Senior students in Chemical and Mechanical Engineering in upper 20 per cent of class scholastically and who are interested in internal combustion engines and fuels.

MAR. 1 AND 2-E. I. Du Pont de Nemours Co, Wilmington, Delaware-J. W. Reynard. PhD's in Chemistry, ChE, Ph. and few good MS men interested in eastern employment. Open interview.

For further information concerning any of the above interviews, or other job information. contact the placement office.

# FIRESIDE PROGRAM ENTERS SECOND TERM



TECHMEN MEET PRESIDENT-An informal moment during last week's fireside at the home of Dr. and Mrs. Lee A. DuBridge is shown above. The evening was climaxed by listening to the Hawthorne-Mittenthal broadcast, which proves how informal it was. Left to right: Charles Shaw, Byron Karzas, Carl Price, Dr. and Mrs. DuBridge.

# For Chem Club Meet Meets Students

chairman, "It's a raging crime that, although a plethora of Tech men usually show up for these weekly outings, they are invariafirst hand when we're going to get Tournament, why the Optics Lab isn't being turned into a Fleming Gym, what the latest Zwicky story reveals, and who has the largest family. (Dr. and Mrs. Neher hold the record so far with five!

### More Firesides Planned

For the next few Firesides un-

# To Be Taken Tonight

is to appear in this year's Big T.

cious and salacious truths.

Basking in the Light

last Sunday were Tom Davis,

Warren Marshall and Bud Mit-

tenthal. Tom informed me that

the sermon was truly inspiring.

citing week-end. Steve tells me

that he got into one of the most

exciting chess matches he has

ever been involved in. He final-

ly won, although throughout the

game he was constantly distract-

No doctor can help Sam Sto-

ver. In "The Apple of His Eye,"

Lily, Sam goes through a series

whole populace of Montgomery

"Oh Susanna" Star

"Oh Susanna!"

Steve Morrison had a very ex-

Seen at local churches this

# The California Tech

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

### CALIFORNIA INSTITUTE OF TECHNOLOGY

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just to sit on the bench . . . in

mine for their loyalty to the

school and the game, even as

Frostbite

The Armory isn't very big or

very warm, but if enough people

cram in for these home games,

maybe that will heat the place

up enough so the players can

participate without getting frost-

bite. Support at the "away"

games, however, is even more

important-even a small section

of loyal rooters is a big help in

crammed with supporters of the

Coast

Enough of SCIC basketball .

on the Coast scene, apparently

Stanfords already have a surpris-

It will probably be a drag-out

other team.

32 games.

much as the regulars.

## EPHEMERAE

A few words in regard to Caltech's varsity basketball aggregation, 1948 edition, are probably in order here since the Goon is no doubt too modest to throw too much space in that direction in his column.

Off their 57-54 win against Oxy in the Tiger gym, the Bevos must be counted among the favorites for the SCIC crown. Oxy did quite well in the Redlands Invitational Tourney, losing to defending champion Whittier by a game where the whole place is only one point. Both the Tiger and Poet quintets are high-scoring combinations and there was considerable doubt, in their first few starts, whether the Beavers, although on a par in most re- the Southern Division title has spects, would be able to generate already been given to the pow-55 to 70 point-a-game power. The erful Cal contingent of Chuck Oxy tilt shows that they can do Hanger, Andy Wolfe, and Co. by it, since the Tigers have near- the local sports scribes. But perfected, through the years, an don't count the Bruins, S.C., or impregnable defense on their even Stanford out just yet. The own crackerbox court.

The Engineers will need to do ing pre-season win over Oregon this from now on out, though, in | State, last year's PCC champions, order to subdue the high scoring and OSC in turn defeated the Poets and Tigers in the confer- Oakland Bittners, the AAU out-Bulldog contests if they "let up."

## Juggled

Coach Shy has juggled the lineup this year, putting long Bob Stokeley at guard along with Jay Montgomery to help out Bill Cox, and thus he has been able to get a much more equitable output of power from all positions.

Both the Beaver varsity and Frosh teams deserve a lot of credit for their fine spirit under adverse conditions this year. Both teams have to travel considerable distances away from campus in order to practice; the Techbabes in particular have been going back and forth like a ping-pong ball, practicing in six different places already. Needless to say, locker facilities are not what they should be. And of course the \$\$ run up in the course of a season for gas to get to and from practice every day comes right out of the players' pockets. The fellows who come out every day and get knocked around, then give up their Friday and Saturday nights

> CAMPUS BARBER SHOP In Coffee Shop Building (OLD DORM)

### ENGINEERS WANTED

Bachelors Degree. Large College offers \$3,000 approximate half time teaching-studying. Masters to \$6,500.

South Western College needs Engineers Teaching-researchopportunity do grad work. Associate Professor \$4,500 — Assistant Professor \$4,000.

# VACANCIES OTHER FIELDS

Give phone, photo, qualifica-tions. CLINE TEACHERS AGENCY, EAST LANSING, MICHIGAN.

# Shavings from the Board

The Board of Directors began its third and final portion of its term of office with a red-hot meeting last Thursday evening. An endless amount of business was accomplished - most of it being too trivial to be mentioned in this earth-shaking and noteworthy column, that weekly takes up any vacant space in our gossip sheet.

### Elections

It won't be too long now before ASCIT elections come up again. This will need much consideration by all members of the student body, so that the men best suited for each job can be talked into running for the job. The Board has decided upon the following schedule of events with regards to the forthcoming elections: Feb. 20, the nomination assembly; Feb. 25, the ELECTION RALLY; Feb. 26, the ELECTIONS FOR ASCIT OF-FICES; and March 2, any necessary run-off elections. So remember—get the candidates out and get the vote out. To vote New Comedy at case, deserve your support and and get the vote out. To vote you will need your Student Body Card (also to see the basbody Card (also to see the basbody Pasa Playhouse picked yours up yet, go to the Athletic Office in the new barracks, where you will find his is the age-old problem of May Miriam, just overjoyed with the thought of issuing a card to you.

Other Pertinent Poop

running in the black and, in fact, has made a small profit to date. Whether this will continue or not is a moot question, but I know the Treasurer certainly hopes so. The Big T contract has been signed and for your information the present total cost estimate for this edition of the Big T is the tremendous sum of \$7122. Who says we aren't in big business? We'll have to send a lobby to Congress and join the N.A.M.

fight in the Northern division, too. Idaho, which barely edged Brigham Young for third in the recent L.A. Invitational Championships, with their 6 foot 9 center Jack Phoenix, has already upset Oregon State, and always ence race, not to mention what fit that just stopped the Phillips strong Oregon U. can be counted can happen in the Sagehen and Oilers win streak after it had run on to throw things into at least a three-way race.

(Continued on Page 6)

day and my soul was filled with love and kindness. After several turn my thoughts to more worldclutching the commandments to my breast, I pondered on some rather uplifting material for this sordid column. While poring over the scripture, a revelation smote me.—I have been wicked and evil in printing these mali-

The California Tech is still hastily shed spectacles. The

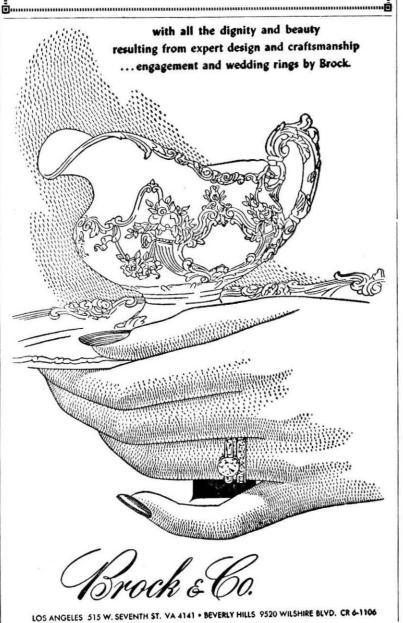
# The CALTECH MUSICALE

PROGRAM FOR SUNDAY, JANUARY 18, 1948

RIISAGER—Serenade FRANCK-Prelude, Chorale, and Fugue BEETHOVEN-Piano Concerto No. 4

- Intermission -

DE FALLA-El Amor Brujo FAURE-Dolly



# CAMPUS

Alas, to be back at school ed by some dsirable girl who sented: after such a delightful week-end. kept trying to get him on the Bach: Sunday was simply a beautiful telephone. Bill Boutelle, rumor has it, is Rachmaninoff:

circulating a petition to have the days of meditation I once again Skip Inn closed on the grounds that it has a detrimental influly things. While strolling ence on high-minded students. through some lovely garden, Good work, Bill!

### Engagement Announced

Vincent Honnold, well-known man-about-campus, is now out of circulation. He is engaged to be married to a charming girl, by the name of Peggy? (we didn't catch the last name.) I suppose we should write the above item in somewhat better style, such as, Mr. and Mrs. ? announce the engagement of their daughter Peggy to Mr. Vincent Honnold. Peggy was a Beta Eta Theta at the University of Southern California, where she majored in horticulture. She was a member of the Moss and Mildew Society. The engagement was announced at a luncheon at Fink's Drive In. The bride-to-be wore a lovely grey strapless burlap afternoon dress with shoes. Mr. Honnold studies molecules at the Southern California Junior College of

Well, Vince, the details may be slightly incorrect, but we sincerely do wish you both a lot

### Noted Traveler

Mr. Frederick Smith, it is and December. For the hired girl rumored, may soon be giving a of antics, including hair-dye and America deluxe, by thumb. He mile excursion around our spa-County, Indiana, soon has cause cious land, making him an authority on the subject. He is the 1946 and since then has been ento worry over grey-haired Sam. President of the Which Way is Heading the Playhouse cast in Tech Society. The aim of the or-Walter Huston's Broadway role ganization is to have signs lois Oliver B. Prickett, who will cated all over the country pointbe remembered for his role in ing toward Tech.

### Music in Pomona

Michael Cisney directs the play, which replaces "The Bar- the east at Pomona College were cerns in the east including Bethretts of Wimpole Street" on hosts to the Standard Hour. The lehem Steel and Taylor-Wharton following program was pre- Iron and Steel Company.

...Brandenburg Concerto No. 4

.. Concerto No. 2

Don Gillis:

....Symphony No. 51/2 Stix was there with Mary Pat Nolan, charming Scripps maiden.

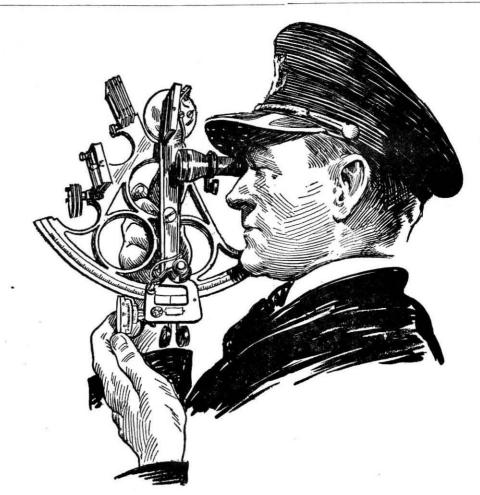
Exchange After the recent athletic contest with Oxy an exchange was held with both Orr and Erdmann Halls. Numerous Fleming and Ricketts men were present. Their gentlemanly conduct certainly belied the erroneous repu-

(Continued on Page 3)

# Varney Joins ME Teaching Staff

Wilbur R. Varney, former instructor of metallurgy and metallography at Lafayette College and metallurgical engineering consultant in the East, has joined the Caltech faculty as assistant professor of mechanical engineering. He will teach undergraduate work in materials and processes and assist in metallurgy.

Professor Varney obtained his bachelor's degree at Northeastern University and his master's degree in metallurgy at Rensselaer Polytechnic Institute. He served as a lieutenant in the U.S. lecture on seeing our glorious Navy during the war. Following his release to inactive duty with has just returned from a 6000- the Navy he was property disposal officer with the Navy Bureau of Ordnance until March of gaged as metallurgical engineer covering manufacturing prob-Iems and field development in ferrous and nonferrous metal working industries throughout the East. He has also worked Our music-loving colleagues to with a number of industrial con-



# Business, too,

# must have expert navigation

TN the telephone business, much ■ of the knowledge of "where we are" and guidance as to "where we are headed" comes from the analysis of statistics.

Telephone statisticians and engineers are constantly studying trends and figures. They assemble the facts, analyze them, correlate them, discover their significance, draw guidance from them.

The work of these men is vital to our never-ending task of improving telephone service. In such work many college-trained men have found satisfying and rewarding careers.

And this is but one of the many interesting phases of the telephone business.

There's opportunity and adventure in telephony.

BELL TELEPHONE SYSTEM



mond Adams, and several grad-

of a magnetic release is allowed

to fall freely when a cosmic ray

enters, the photographs being

taken during these descents. It

was Dr. Leighton who accompa-

nied Dr. Anderson last summer

when he sent up the first balloon

ever to carry a Cloud chamber

Cosmic Spectrum

Dr. Hamermesh investigates

the cosmic ray spectrum, trying

to extend it to higher and higher

energies. Another phase of the

work deals with the tracks left

in photographic emulsions. It

might be notable in this connec-

tion that plates have been placed

others are being carried back and

forth in the regular transconti-

nental airline flights of the DC6s.

the finding of electrons being

given off by mesotrons and the

measurement for the first time

of the energy of these electrons.

Dr. Neher-Geiger Counters

search is a continuation of the

work he started with Dr. Milli-

particles of more or less definite

energies. Observations are car-

sent to heights of 15 to 18 miles,

Geiger Counters. Most of the

during the winter results are an-

last summer the party included

the still very active Dr. Millikan,

Dr. Neher, Dr. Pickering and

three graduate students. About

20 flights were sent up in the

midwest over a region extending

The Gieger Counters are ar-

ranged in what is called a "Cos-

mic Ray Telescope": three trays

about 11/2 ft. square and about 4

ters only when a particle goes

through all three trays. Thus

only those particles entering

within a few degrees of the ver-

tical are recorded-about 15 out

of a total of 2000 per second. The

to act as a marker. Attached to

each is a \$10 reward for return

National and International

Aspects

This June an international cos-

mic ray conference is to be held

here at Tech in honor of Dr.

The Review of Modern

Physics is devoting its entire

Spring issue to Cosmic rays. A

book containing reports by lead-

ing U.S. scientists in this field is being contributed to by Dr. An-

derson, Dr. Millikan, and Dr.

The view has been stated that

the work during the last six

Millikan's 80th birthday.

Canada.

notice.

Christy.

Dr. Neher's part of the re-

Results of the project include

(Ht. 85,000 ft.)

SORBLAND UBER ALLES!

Chociborz, Sachsen, Gennaio 12, 1948.

C.I.T. Student Newspaper, Herr Redakteur:

The reputation for benignancy to our distant land. At the sug-Morals, Wadyslaw Rumplemeier, | night. a Caltech graduate, we are calling upon you to aid us in our struggle for independence. We are not asking for money; we realize your students can hardly spare a bogach. But, you can bring our noble cause to the attention of others in your fair

After all, we are practically brothers under the skin. Whether in Pasadena or Kottbus, we do just about the same thing. Of course, you realize that we Lusatians are Sorbs and not Serbs, a most important distinction. However, even the Low Sorbs from south of Sagan are with us. As soon as we get our anthem and coat of arms, we are going to the UNO to demand our independence. Then is when we need your moral support.

In the words of Wojtech Delanow Koczka, "Svycarska Narodni Cestovni kancelar."

Sincerely. STANISLAW CZTUK.

### SKILL

Mr. Editor,

I am noticing wit much enjoyment the fine job is being done by cap writers on this beautiful newspaper. I refer specially to most particularily to basketball picture resurected from last year about which nobody on staff seems to know anything about. Is great example of skill to write so much about a nothing which has any relation to anything pertinent which skill also continually shown in N places most every issue.

> Much sincere, HERMAN.

# THE SQUARES' CIRCLE Mittenthal Guests In Sorb Plugs

Professor Lothrop Mittenthal, PhD. in Biertrinken, 1st Rep. and Prexy of the Senior Class apof your students has spread even peared as guest artist on Hawthorne's platter party over the gestion of our Minister of Public local radio station last Sunday

The whole thing started out Saturday night while Bud and a group of his friends were engaged in their favorite pastime at a local institution. The subject under discussion finally got around to records and all agreed upon a visit to Hawthorne and a request to play some of their old records. After hearing Bud 'talk" for a few minutes, he realized that here was a character for his show so requested Bud to return Sunday night.

### Walks Out

To make a long story short, Mittenthal walked out on Du-Bridge's fireside and appeared with our Hoganburger friend. For one half hour a most enlightening and discussion was held on the life and customs of the SORBS. It was a good chance ASCIT dance so Bud gave his all, concluding with his own rendition of "I'm Looking Over a Four Leaf Clover." Luckily for Hawthorne the show was over following this number. Afterwards they wandered down to the basement to see his private echo chamber. Bud says: "The echoes were fine but the etchings . . . terrific."

As a result of this impressive interview Hawthorne has agreed N.Y. to be present at the Sorbian dance as Imperial Chief Brudgbub (Judge) and award a suitable prize to that couple that expresses the Sorbian national spirit the best. Also we hope to have "Life Goes to a Party" so

(Continued on Page 6)

# Mittenthal Guests On Hawthorne; Gets Open to Students Smith, Mudgett Vacation Saga Exposed . . .

The Tamiment Social and Economic Institute, and Writers Talent Scout, Inc., have announced when F. S., the Fleming Joe the opening of essay and story contests.

### Commercial Writing Contest

Writers Talent Scout, Inc., is offering several thousand dollars in prizes for short stories, and radio shows. In the short-story division, the Estate of Jack London will offer prizes of \$1,000, \$300 and \$200. In addition, Cosmopolitan magazine will pay for serial rights to the best story drive alone, he talked Walt Mudand will have an option on all

A \$1,000 prize and ten-week contract will be awarded for the best movie plot, and other cash prizes will be given for the best ideas for radio shows. Further information may be obtained by writing to Writers Talent Scout, Inc., 1067 N. Fairfax, Hollywood, Calif.

### World Peace Essay

A first prize of \$1,000, with thirteen additional prizes amounting to \$2,000 will be disfor free publicity for the coming tributed to college students by the Tamiment Social and Economic Institute for the best essays on "An American Program took over while the other two for World Peace in the Present

dergraduate college students in in the World," a blind, inadebe from 5,000 to 6,000 words in railroad underpass, a high, wide, length and should be submitted dynamite laden cab and trailer to the Tamiment Institute at 7 East 15th Street, New York 3,

### CAMPUS BREWINS

(Continued from Page 2) tation that these fellows are row-

In conclusion we should like to leave this one quotation with left for home (by train) after a Why for and The Pilot Force Pilot or uninitiated!"

belonged.

A new chapter was added to the Smith Saga over the holidays Spkjdtn, tried to hitch-hike to his home in Connecticut. Previously his claims to fame had included such incidents as getting off the PE at California and Lake in the wee hours of the morning ideas for motion pictures and and walking two miles the wrong way with considerable baggage. But this time The Mouth outdid himself. He had a car back home, but since he had no driver's license, and didn't like to gett into thumbing to New England with him. This was Friday of finals week.

> They left the next afternoon bad luck of Jug Johnson, who drove them up to Colorado Street. They were in Barstow by ten-thirty that evening, and also by eight the next morning. though cooler. At Needles they were fortunate (?) enough to get a ride with an ex-CPO headed for Norfolk, Va., in a '33 Plymouth

This Mr. Crawford and Mudgett alternated driving until they hit Chatanooga, where Crawford slept. This was about 4 in the morning. About fifteen miles out The contest is open to all un- of Chattanooga, "The Safest City the United States. Essays should quately warned, narrow, low outfit, and one small Plymouth all tried to occupy the same space at the same time. Needless to say the car came out a poor third.

Mudgett and Smith were taken to a hospital where that evening dies and ill-mannered athletes. they enjoyed the Christmas Eve carroling of the nurses. Smith keep your eyes and ears open for you, "Aloof, O aloof, ye profane few days, not much worse for wear, and soon found himself in

# Your Campus

BY JOHN WHITTLESEY

Cosmic Rays

The cosmic ray research on uate students, totaling about a campus consists of two separate dozen. Dr. Leighton is working and distinct phases: One under on his new "Falling Cloud Cham-Dr. Anderson and the other un- ber" a chamber which by means der Dr. Neher.

### Anderson-Cloud Chambers

Dr. Anderson's activities are centered on the third floor West Bridge, taking nearly all of it except the Electrical Computor room, and in the "Cosmic Ray Shack," the small, one story building between Guggenheim and the Astro-physics Instrument Shop, besides which stands a comical old generator and its ancient truck.

The main aim of the project is to learn facts concerning the production and disintegration products of mesotrons. Most of the work is done with cloud chamamid rain and the prophisies of bers (there are seven different on several of the highest peaks types and sizes here), and much in Southern California and that of it is carried on at high altitudes.

The project has been financed by the Office of Naval Research; B-29s have been donated by the Air Force. Three are based at Inyo Kern and from there all operations begin.

### Flying Saucer

One of these B29s has carried a cloud chamber weighing 2 tons for about 250 hours. The trips are usually of from 7 to 10 hours | kan in 1935, aimed at getting inin length and as high as possible. formation on cosmic rays as a The last flight (about a week function of altitude and latitude ago) caused some excitement over as wide a range as possible. over Spokane when the B29 fly- The Earth seems to act as a huge ing at 37,000 feet was mistaken magnetic analizer, sorting out for a flying saucer. It is principally Dr. Lloyd and two graduate students who are making ried out by means of balloons, these flights, and the Cloud chamber they use is the one to which are attached trays of (somewhat modified) which Dr. Anderson built in 1930 and car- actual data is gathered in the ried to Pikes Peak in 1935 and course of long summer tours; Panama in '36.

Others working on this part of alyzed and new equipment built the program are Dr. Leighton, Dr. in the basement of Bridge. This Hammermesh, Dr. Forster, Ray-

the big New York snowstorm. After a while here he finally made it home. Here he found that another fellow who had been going to help him drive was from southern Texas north into also unable to come out here. So he hitch-hiked back out.

On the return trip the only thing that happened was that one of his rides ran off the side of counters placed one above the of the road into a snow bank, an- other in a metal framework other was a nith fellow, a third had a phobia of speeds under | ft. high. The equipment regiseighty. But still in one piece he finally ended his Odyssey along with the end of the first week of school.

Mudgett spent both the holiday "eves" in Chattanooga's excellent Erlanger Hospital, flew balloons are sent up in pairs, the home to spend some more time second to slow the descent and in an L. A. hospital, and is now confiined to quarters here with a banged up, but not broken, leg. He and Dick Marsh have been eyeing each other suspiciously: Marsh was originally going to make the trip with Smith.

One usually assumes when walking down the street that the earth will not open up to leave a gaping hole for you to fall into. Mudgett no longer makes this type of assumption when Smith

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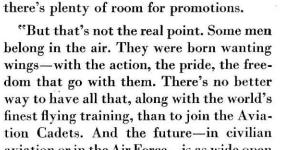
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it. They figured-correctly-that it was

the best way to get me into the air where I

planes the Air Force has, and now I'm

heading for transition work in jets. The

pay? Now that I'm a pilot, \$336 a month,

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"During the war I took off with the

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# Pepperdine Basketballers Down Fighting Tech Cagers

Talkin' It Over with The Goon

I'm not claiming that I'm a strong man or anything to that effect. But when Braven Dyer of the L.A. Times gave us the word that he was going to write an expose of West Coast footstrong men faint, I began to work out in earnest. Who knows what this ex-Sagehen keeps locked in his encyclopedic mind of sports facts?

Maybe Dyer was going to tell us who gave Shipkey the new De Soto convertible, or what Ferraro's income tax ran last year, or even how many million bushels of wheat Darwin Horn speculated with in the grain

Tracy and the D. L.

Here it is Sunday morning. I leap out of bed at 6:30 a.m. tense with excitement, rush downstairs to get the paper, cast aside the funnies after seeing that Tracy's getting hot on the tail of Shoulders, without even checking Hotshot Charlie's score with the Dragon Lady. At last, here it is, the Sports Page!!! I don't even notice the two-column spread with pictures they gave the Pepperdine game. There it is—in bold black type: "What's other college groups follow that Wrong With West Coast Football." After reading 24" of this ignated amount of cash plus vers, but Joy Pace of Pepperdine local sports prophet I didn't even feel a strain. He was just shooting the peasant a bucket of also place fines for violations the second half. sheep-dip that was about as po- high enough that it would really tent as a cup of tea.

All of this shouting and screaming about football is getnow, and space is becoming All of this shouting and like the sports editors of the North Pole.

Although the San Francisco®

lections released yesterday by

polo mentor, Caltech had repre-

sentation in the person of Bill

The Winged "O" team placed

four men on the first team. Selections included Woody Woodman, Pete Peterson, Nick Popo-

Harris, Beaver back.

the first team.

member.

Olympic Club water polo team | Back

dominated the San Jose State Forward ......

Charles Walker, Spartan water Goal .....

With only 24 hours' rest fol- confidence by starting their seclowing their hard-fought victory ond team, but when the Engiover Occidental, the Caltech Var- neers forged ahead, 12 to 7, at sity cagers traveled to Pepper- the end of the first 10 minutes favored Waves.

Reserves Not Enough

The Peps showed their over-

off at the mouth. The poor, persecuted Bruins are crying in campuses.

Cut the Gate?

who get their heads bashed in the battle. on the gridiron every Saturday figure that they deserve a small cut of the gate. And they do. But there should be a strict set of laws that the NCAA and the would provide for a certain desroom, board, tuition and books. Not only formulate the law, but hurt the school.

ting on my nerves and as a re- scarce. Don't forget to turn out sult the old beak is reaching a for the baseball meeting if you're brittle point. All we need to interested in throwing horsehide really kill intercollegiate ath- around. See you at the Redletics are a couple of more guys lands game Friday night at the

dine on Saturday night, where of play, the Wave regulars were they met the strong and highly rushed in to the rescue. However, instead of narrowing the margin, the Pepperdine firststring found itself outscored, 14 to 13, during the next 10 min-Daily Bruin and the Daily Tro- utes, and as they left the floor ball that would make even jan who are currently running at half-time they trailed, 26 to 20. Beavers Tire The second half was a differtheir beer claiming that every ent story, however. The hard-

ref in the USC game was slipped fought 3-point victory over Oxy a Fifty before the kickoff; while the previous night had underour pal from the Figueroa St. standably taken a lot out of the Country Club is screaming that Beavers, while the Waves, who SC should go out with the money | had coasted to a 65-to-45 win over bags and scare up a little talent. Redlands the previous night, That's the kind of stuff that came out for the second half helps the public realize what lit- rarin' to go. They pulled ahead, tle angels run around the college 32 to 31, shortly after the start of the second period, but the Engineers kept in the game, trail-Here's the Goon's slant on ing by but 42 to 40 with 6 mincial. The big "institutions of Waves outscored the game but higher learning" are picking up tired Beaver, 14 to 1, bringing a couple hundred grand per an- the final count to 56 to 41, a onenum from their extracurricular sided score which does not acactivities. As a result, the guys curately show the closeness of

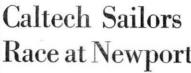
Pace Edges Saltman

Paul Saltman poured seven baskets through the hoop during the first half but fell off to a single free-throw before fouling out in the second half. His 15 points were high for the Beawas high man for the evening with 17, all of them coming in

# Varsity, Frosh Baseball Begins held three years ago.

In spring some men's fancies to baseball. February 16 is the season practice, says Coach Ed Blacker. Preisler, who has replaced Hustlin Hal Musselman on the diamond. With the return of a large number of last year's varsity and the addition of Milt Strauss, 1944 All-Conference outfielder, prospects of a successful season ...Webster-UC are good providing Preisler can .Morketter—UC find a couple of good pitchers. All men who are interested

College All-Opponents' water Forward .....Borchers-Stanford polo team, according to the se- Forward ..........Richards-SFOC in playing be sure to at- are now being made to sign up tend the organization meeting a coach. In the meantime all



closing the gap on the lead boat.

extended to new fields as Tech what's wrong with collegiate utes left in the game. However, entered the Intercollegiate Sailathletics—It's too damn commer- in those remaining 6 minutes the ing Championships held at the Newport Yacht Club during the Christmas vacation.

Pacific Coast schools.

showing constituted an improve-Berkeley, where there exists a team, and the second run set by of college-owned boats.

Caltech took first place in the first annual regatta of this series, honors with a total time of 281.9

turn to love, while other's turn and the team included Allen with 418.4 seconds. On the basis Beek, also of Dabney, and Jim of points UCLA scored 100, Tech official date of the start of Hill and Mitch Cotton of

> Plans are in progress for formal organization of the campus sailing interests in the near future and it is hoped that joint regattas will be arranged with colleges in the Los Angeles area.

This year will also see the revival of the Frosh team. Efforts work out with the Varsity.



Last Saturday the Tech Ski | 90 and Muir 67. team raced for the first time this year, competing against UCLA and Muir College. The race was Blom who finished second with This event is an annual affair the first of a series sponsored by a time of 66.4 seconds. Also in sponsored by the Pacific Coast the newly organized Southern the top ten were Sage Burrows, International Yacht Racing As- California Intercollegiate Ski Unsociation and this year's compelion. This Union was formed pritition included entrants from 14 marily to encourage ski racing tenth. in Southern California schools Stanford, defending cham- and to date has eight member pions, were defeated by San teams, the strongest of which are Diego State College. Caltech's UCLA, SC, Caltech and Redlands.

SAILING, SAILING-The boats above are participating in the recent Intercollegiate Sailing Cham-

pionships, held at the Newport Yacht Club, in which Tech placed fifth. Note the Tech-manned craft

Because of lack of good snow ment over last year as this time the giant slalom was canceled. we placed fifth out of fourteen The meet consisted of two runs meet at San Gorgonio to compete entrants, winning over such of slalom, the first set by Wolf- for the S.C.I.S.U. trophy. vaunted teams as U. of C. at gang Lert, coach of the UCLA well-organized club and a fleet Larry Thackwell, coach of the Caltech team and top flight Western racer. UCLA took first seconds, the combined times of the four best men on the team of Caltech's team was captained six. Caltech was second with by Don Royce of Dabney House 315.7 seconds and third was Muir

For Tech the outstanding performance was turned in by Jim sixth; Bill Bradley, eighth; Marv Blair, ninth; and Bud Schurmire.

The next race is scheduled for January 31 with Tech as host. Competing will be PCC and Pomona. On February 28 Tech meets Muir again and USC. On April 3 and 4 all eight teams

Tech times:	-
Blom	66.4
Burrows	
Bradley	80.0
Blair	83.0
Schurmire	88.0
Bardiner	
Price	93.2
Mason	100.0
McKenny	103.7
Carus	129.9

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vich and Dick Richards. University of California placed Stan Morketter and Dale Webster on The Indians dominated the second team as four Stanford men were selected for the second squad. The Golden Bears placed two and Cal Aggies rounded out the team with one

Tech Man Places

On All-State Team

Second team:

Members of the San Jose State varsity selected the three teams and were high in praise of the strong Olympic Club team.

The selections: First team:

Woodman—SFOC Goal Back ..Peterson—SFOC .Popovich—SFOC Back

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# BEAVER FIVE ROLLS OVER OXY

# FROSH CASABAMEN LOSE TO TIGERCUB QUINTET

The Occidental Tigerbabes two-all and four-all on a tip-in by rudely jolted any designs the Butler and a couple free throws Caltech Frosh had on occupying the Freshman league leadership by shellacking the Beaver juniors, 47-29, last Friday night.

Playing the entire game with a sizeable lead which they quickly obtained in the opening minutes of play, the Oxy boys were never threatening. After Oxy chalked up an 18-6 lead, Bud Freise, teach forward, grabbed 4 quick points for the Frosh with a long court shot followed by a neat key shot. While the Tigers were pushing four baskets through the hoop, Frosh center Thorne Butler made good a freethrow to end the initial half, 26-11.

### Oxy Continues Scoring

Opening the second half, forward Al Sereno hit the hoop for a beautiful side shot after Freise Goldstan, pushed the score to 59made a gifter. Sereno came through with another pair of field goals while the Tigers were making three buckets, and then thanks to Goldstan and Leppard, retired from the game on five Wave first-string guard, who personal fouls with the score at

made constant use of their reserve strength while the Techgap. Dick Brewer ended the fray making a free shot, and the score 46-29. Center J. Tunney for the Occidental squad led the scoring with 15 points.

### Lose to Pepperdine

The succeeding evening saw the Pepperdine Freshmen readily hand a 79-30 defeat to the baby Beavers. For a short while it appeared that the Waves might be in for a rugged tussle as the Frosh tied the game at

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from Al Sereno.

Dick Brewer made the scoreboard read 6-5 after Wave forward Boyd dribbled through the key for a lay-in. The rest of the first half witnessed a scoring spree on the part of the eager Waves, who dropped 40 points through the hoop while Brewer made two long baskets and a short key shot and Freise made good a gift shot. Halftime score

### Second String Comes in

Beginning the final stanza with their second string, the Peps ran the score to 51 points before Butler made a free throw, followed by corner shots by Freise and Sereno. High scorer of the night, Wave guard 18 as Brewer made another side shot and Butler a tip-in.

The Wave score jumped to 69 made 18 points during the contest. Two accurate shots by From then on the Oxy Frosh Freise, one by Butler, and a gifter by guard Ray Greutert accounted for the last of the Beamen tried vainly to close the ver scoring, and the game finally ended, 79-30.

The "down-but-not-out" yearlings meet the Redlands Bullpups tomorrow evening at the Armory. Game time is 6:45.

### Scoring:

Caltech (29)

Occidental (47) Goss (10) J. Wheaton Tunney (15)
T. Wheaton (1)
Lawson Half-time score: Occidental, 26; Caltech, 11.

Scoring subs: Caltech—Kamei, 2. Oc-cidental—Rheinschild, 1; Graham, 2; Val-entine, 5; Kellogg, 9; Patch, 4.

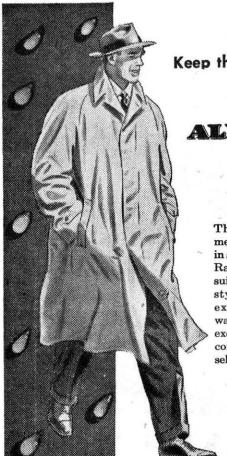
Pepperdine (79) Caltech (30) Boyd (3 Grosuenor (12 Furlong (9 Freise (5) Sereno (3) F. Boyd (3)
F. Grosuenor (12)
C. Furlong (9)
G. Montgomery (6)
G. Leppard (18) Butler (10

Half-time score: Pepperdine, 46; Caltech, 12. Scoring subs: Pepperdine — Terrel, 2; Harline, 2; Wood, 1; Walker, 2; Goldstan, 22; Phillips, 2.

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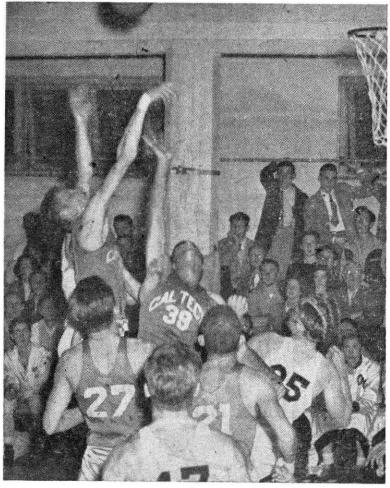
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# Beaver Sports



CASABA CAPERS-Guard Bob Stokely (no number shown) and Center Paul Saltman (38) go up to nab the ball in Oxy game, while Bowen (27) and Furth (21) help. Tech was victorious, 57-54.

### Frosh Sports Roundup -By Earl Hefner

Ed Preisler, Caltech's recently acquired Freshman football, basketball and Varsity baseball his services. coach, was associated with some pretty fine teams in his undergraduate days at San Diego State. The ex-Aztec star earned letters in all three major sports while at the harbor city school, and was outstanding in each.

### Nationals Three Years

The ex-Navy lieutenant relates that the 1939 Aztec team participated in the National Intercollegiate Basketball Tournament in Kansas City and won all their | Superstitious? What true sportscept when they reached the finals and were victims of Southwestern Kansas. The following year was just the reverse, when by small margins. In the semifinals Preisler, who played firststring forward for the squad, won the game on a field goal in the final five seconds of play. However, the California boys

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27 SOUTH EL MOLINO

again lost the pay-off contest in what was the Frosh coach's final basketball game for S.D. State. Preisler adds that the next year the Aztec squad took the Kansas City championship-without

On the trip east in 1939 the team members made use of their spare time on the train by making believe they had a dog named "Jack," and kept their fellow passengers in doubt as to the existence of "Jack" the entire journey. When the team returned to K. C. the next year, they carried a leash at all times for the unseen dog, which came to be their good-luck "charm." games with comparative ease ex-

### Frosh Basketballers

Jumping to Preisler's present dilemma, the basketball squad, San Diego narrowly squeezed by we find in reviewing the Frosh's each opponent up to the finals first three games that highscorer for the team is Dick Brewer with 28 tallies. Closely behind Brewer comes Thorne Butler with 25, followed by forwards Al Sereno and Bud Freise, 19 apiece; subs Hiroshi Kamei and Dick Libbey with 7 and 4 points respectively, and guard Ray Greutert with 4 to his credit.

> After the game with Redlands tomorrow, which will be their second crack at a league win, the Beaverbabes meet the team that gave them their only win of the

> > Thursday 2 to 4 P.M.

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tion of the California Tech. The the complete and accurate coverage that they merit.

-Jack Scantlin. Sports Editor.

# Throop Leads In Interhouse Bowling League

The Interhouse Bowling League resumed play this week at the Pasadena Bowling Courts. Two teams have been entered by each of the four Student Houses and Throop Club. The matches are played each Monday afternoon at 4:30 p.m.

At the present tibe Throop No. is leading the league with a record of nine wins and three losses. In second place, only one hold a brief 9-to-8 edge midway point behind the leader, Ricketts in the first period, but Ted Bow-No. 1 and Blacker No. 2 are all even, while Fleming No. 1 and Jay Montgomery's swishing long Throop No. 2 are tied for third shot put the Beavers out in front with a record of seven wins and five defeats.

### Handicap

The league is based upon a handicap of two-thirds of the difference between each player's score and 180. The handicaps are adjusted after the results of each week's bowling are tabulated. Each team will bowl every other team in the league except that teams from the same house will not engage each other.

In weekly competition each team rolls three lines and the winning team in each line of competition receives one point. The team scoring the most pins in the match also receives one point, making the total of possible points per match equal

After completion of three weeks of play Fox of Ricketts is that their first league setback leading the league in individual was at hand, the Oxy five fought high average with a mark of 175. back desperately in the last Bratnober from Throop is next three minutes to cut the Engiwith 172. The highest single neers' margin to 53 to 52. Red game, 211, was rolled by Brat- Furth then arched a perfect leftnober. Martinek of Throop hander from the corner and the bowled a 566 series of three Beavers led by three, but Bob to give him the lead in single high series.

## BOWLING STANDINGS

Team	Total	W	$\mathbf{L}$	Av.
Throop 1	5841	9	3	151
Ricketts 2	5881	8	4	155
Blacker 2	5553	8	4	132
Fleming 1	5760	7	5	141
Throop 2				145
Dabney 2				132
Ricketts 2	5755	5	7	145
Blacker 1	5273	5	7	119
Dabney 1	5776	3	9	145
Fleming 2	5633	2	10	137

season, Chapman, in a return bout at the Armory, Jan. 24. Then it's those Oxy boys again, and the Frosh are determined to even the count after that affair a week ago.

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### It is questionable whether the Oxy cagers will profit by the les-This issue marks the initiation son in basketball given them by of a new and enlarged sports sec- the Beaver quintet last Friday night, but one thing is certainsports staff hopes that this new the 57to-54 Tech victory definitepage will give Caltech athletics ly established the Engineers as title contenders in the forthcoming conference race.

The Tigers, boasting league victories over Pomona and Redlands and a 1-point non-league loss to Whittier, were on the defensive from the opening whistle. Big Paul Saltman led the Beavers with 21 points, and it was his deadly accuracy on pivot shots which kept the Oxy contingent in constant trouble. Ten of his points were scored in the first half as the Engineers grabbed a 29-to-23 lead at the intermission of their initial conference game.

### Early Lead

Baskets by Saltman and Bob Stokely gave the Engineers an early 4 to 0 edge, and from that point on Oxy had an uphill battle on its hands. The Tigers did en's free throw tied it up and again. The remainder of the first half was all Caltech, with the Beavers at one time commanding a 27-to-17 lead.

The Oxy followers found one moment to cheer early in the second half when second-string center Jim Black put on a one-man rally, tossing in five straight buckets to give Oxy a 34-to-33 lead. However, Bill Cox put Tech back in the lead with a 2pointer, and Oxy was never ahead again. The Tigers did manage to tie the count at 42-all with 10 minutes left to play, but Saltman came through with a basket and three straight charity tosses, putting the Beavers ahead, 47 to 42.

### Desperate Rally

Apparently unwilling to admit scorer with 14 points, picked up a loose ball and drove it in all alone to make the score 55 to 54 in Caltech's favor. However, Bob Stokely sewed up the game for the Beavers with a shot from the back of the key-hole, and his mates stalled out the remaining 90 seconds, protecting their 57-to-54 lead.

### SCORING

Caltech (57)	Occidental (54)
Bowen, 9	FBerekoff, 8
Furth, 7	FOlson, 14
	CBurton, 11
	G Hawkins, 6
	3GGullixson, 3
Scoring Sub	s: Caltech—Cox 4;

Occidental-McLean 2, Black, 10

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SY. 6-4161

# Caltech Chemist Named To State Dept. Mission

Dr. Joseph B. Koepfli, California Institute of Technology chemist, has been appointed a member of the U.S. State Department mission on science and technology to England, with his wife and two children this week aboard the S.S. Queen Elizabeth.

Dr. Koepfli will be attached to the U.S. Embassy in London as a senior scientist for a period of one year as provided by the State Department when it was announced that such a mission was to be set up in England.

### Mission New

This type of mission, something new for this country, was announced recently by the State Department and is the first provision made by the government to provide assistance to science and scientists at the diplomatic level. Head of the mission will be Dr. Earl A. Evans, Jr., chairman of the department of biochemistry at the University of Chicago. While small, the mission will cover all fields of science by means of a rotation of service whereby leading men in various scientific fields will be appointed for limited service of one year. In this manner all fields can be covered over a reasonable period of time. The initial staff, of which Dr. Koepfli will be a member, will include biochemistry, organic chemistry, physics, engineering, biology and agron-

### Ph.D. at Oxford

Dr. Koepfli obtained his bachelor and master degrees at Stanford University and his Doctor of Philosophy at Oxford. Prior to coming to Caltech in 1932 he was an instructor in Pharmacology at the Johns Hopkins School of Medicine.

A great deal of his recent work at Caltech has been concerned with the study of anti-malarials and in collaboration with other Caltech scientists he recently announced successful extraction of two new anti-malarial chemicals, one of them 100 times as powerful as quinine. The chem- MITTENTHAL GUESTS icals were obtained from leaves and roots of a plant long known the latest. Friday the 13th is to the Chinese for its anti-ma- rumored to be National Sorb day larial properties and called Ch'ang Shan. Its botanical name will give you a much clearer idea is dichroa febrifuga lour. Fibri- on the subject as we don't know fugine and isofebrifugine are the any more about the Sorbs than names given to the two new we did before the interview with drugs by the scientists.

# Former Caltech Man Honored With Award of "Medal For Freedom"

Alex E. S. Green, instructor in physics at the University of Cincinnati, has been awarded the Medal For Freedom, University authorities announced recently.

A member of the crew of a B-29 photo airplane on one of the longest and most hazardous reconnaissance flights of the war, Green used a ship-length computer which he had devised and helped identify major units of the Japanese fleet lying in the Kure anchorage.

"As a result of this flight," the citation declares, "the U.S. Navy made a highly successful attack on the enemy fleet."

Although Green had been drafted into the Army and technically held the rank of private, he essentially served in a civilian capacity; for immediately after induction he was placed on special status as an operations analyst and sent overseas on a technical assignment.

A graduate of Brooklyn Technical High School, Green received his B. S. degree from the City College of New York in 1940. Currently he is working for his Ph.D. degree at the University of Cincinnati where he is an instructor in physics in the university's College of Engineering.

### TECH MAN PLACES

(Contin	ued from Page 4)
Back	Armstrong—Stanford
	lanariaga—Cal Aggies
Back	Marver—Stanford
Forward	Lull—Stanford
Forward	Widman—UC
Forward	Shutt—UC
Honorabl	e mention:
	NI' TIGE A

Honorable mention.
GoalNixon—UCLA
BackWard—SFOC
Back
BackDavis—Cal Poly
ForwardGeorge—Cal Poly
ForwardCousins—UCLA
ForwardCashin—SFOC

## (Continued from Page 3)

at assembly. Your attendance Pope Mittenthal.

## CAGERS FACE

(Continued from Page 1) first will necessarily get the best

### Frosh Play

Another good reason for an early arrival is that each varsity game this season will be preceded by a frosh contest. The Beaver frosh dropped their first Green received his M.S. from league tilt to the Tigers but had an off night in the unfamiliar Oc-The medal, presented to Green cidental Gym. The team boasts by Gen. Joseph T. McNarney at plenty of height and experience Wright Field, Dayton, Ohio, hon- and should come along nicely ors Green's work as an opera- from now on. The Redlands tions analyst with the 20th Air frosh, however, have scored an impressive win over the potent Whittier youngsters and should rate a favorite's role. Both teams have been low scorers in games thus far, however, but the Bevobabes showed in one contest that they have the stuff to score 60 Pomona .....

points in a game if they are "on." EPHEMERAE Probable starting line-ups for

the Varsity contest: Caltech Redlands Bowen Rosenberger Furth Saltman Leonard Montgomery Raine Probable starting Frosh line-

Caltech Redlands Freise..... F. Hammer Sereno.... Butler..... Brewer.....G. Stevens Greutert.....G. Conference Standings

Whittier ..... 2 1.000 Caltech ......1 Occidental .....2 Redlands ..... 0

(Continued from Page 2) Oddity

Sports oddity of recent weeks was the defeat of the Marshall showed amazing recuperative any other. powers out here in the L. A. In- YOUR CAMPUS vitationals, when they came from behind in three games to win in the last minute, and took the opening up in physics, concerned tourney championship, beating with the properties of mesotrons; Syracuse 46-44 in the finals.

.000 heavy favorite, having won the ing of the Nucleus.

L.A. meet only a few days previously. But when it was all over, the score was San Diego 56, Marshall 23.

Explain it? You can't. It's Parker College quintet by San Diego just one of the things that can State. The Aztecs had powerful happen in sport. In basketball, quintets back around '40, when perhaps more than any other Ed Preisler was there, but have sport, this possibility of upset is not been too noted recently; the always present; it may account Herd of Marshall College (West for some of the tremendous pop-Virginia) took last year's nation- ularity achieved by the sport al championship, winning one that annually attracts more spec-Conley game 113-80 to do it. They tators in the United States than

(Continued from Page 3) U.S. has shown a big field is and that the understanding of So when the Herd and the Az- their properties will be very usetecs met, Marshall was the top- ful in furthering our understand-



# AFTER THE GAME REFRESH WITH COKE



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