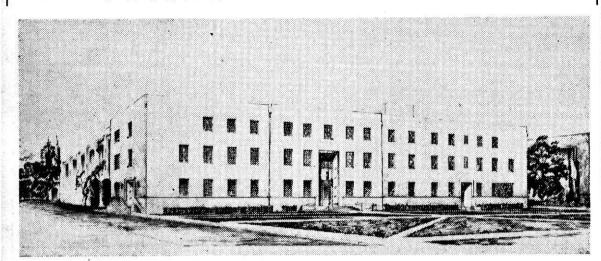
BEAT

California Institute of Technology Thursday, October 6, 1949

Volume LI.

CE-ME BUILDING



Construction of a new Engineering Laboratory on the Caltech campus was recently begun. Cost of the building when equipped will be approximately \$625,000. The building will house all Civil Engineering labs and offices as well as other engineering facilities.

Caltech scholars need not be

tongue-tied scientists if they get

Coach Lester McCrery. Debate,

This year the program sched-

sity, College of the Pacific, Santa

Pepperdine College and Los An-

geles City College. Also, Caltech

will be host again this year to

Marshall Plan

particularly vital and interesting

debate topics are offered this

year. The western states 'topic,

"Resolved that the United States

Should Adopt a Marshall Plan

for the Countries of the Orient,"

will be debated throughout the

fall term and in final competi-

tion at the western tournament

at Stanford, November 21, 22,

and 23. The national intercolle-

giate topic, "Resolved that the

United States Should Nationalize

the Basic Non-Agricultural In-

dustries" will be debated

throughout the season and for

final honors at College of the Pa-

(Continued on page 6)

The Caltech Band made its

football game with La Verne Col-

The Band's new director, Mr.

William Killgrove, has been or-

ganizing and orienting the group

so that by the second term the

Band will be concentrating on

one of the assemblies. Mr. Kill-

grove's excellent musical back-

Additional members are wel-

come at the rehearsals held each

Tuesday evening at seven-thirty

in Culbertson Hall. At the mo-

ment, there is an acute need for

players in the woodwind section.

All interested newcomers are

welcome.

a successful musical season.

According

# CE's, ME's To **Enjoy New Lab**

Construction of the new Engineering Laboratory adjacent to the present Mechanical Engineering Building has been under way since July with its completion expected in about ten months.

The new, earthquake resistant, reinforced concrete structure will have two basements and Debate Team reinforced concrete structure three floors above ground, providing 34,000 square feet of space viding 34,000 square feet of space for the Institute's extensive Engineering section gineering section.

## Research Facilities

Research Facilities
Besides housing the department of Civil Engineering, the new building will contain metallurgy facilities such as laboratories for powder metallurgy, into the forensic program now metallography, x-ray metallogra- set up under the direction of phy, spectrographic analysis, metals preparations, and study oratory, discussion, impromptu of materials through radioactive and extempore speaking are all

Facilities also are planned for research in thermodynamics, in uled for Caltech students instrength of materials, and in culdes trips to Stanford Univerearthquake and vibration investigations. There will be space for Barbara State College, Univerapplied mechanics research, as sity of California at Los Angeles, well as offices and classrooms.

## Needed Space

It is expected that the new building will not only consolidate an intercollegiate debate tourthe Civil and Mechanical Engi- nament given to colleges in the neering facilities in one struc- western league. Throughout the ture, but also provide needed year audience debates and oraspace for the Institute's present torical events will also be schedresearch program.

# Prof. Gilbert **Leaves For Germany Post**

Professor Horace N. Gilbert, Professor of Business Economics, is at present on a year's leave of absence from the Institute as a member of the staff of the U.S. High Commissioner in

Professor Gilbert left for Washington, D.C., last Sunday, and will depart for Europe within the next few days. He will be assigned temporarily to the Office of Economic Affairs, and Band Receives will be in charge of trade and payment matters at his head- New Director quarters in Frankfurt.

A teacher of business economfull professor in 1947 and has served as a consultant to a large number of companies and also to the U.S. Air Force.

During the war Professor Gilbert was principal production lies and football games this seasupervisor for the Air Forces at son. Wright Field and in Los An-

## Campus Calendar

THURSDAY, OCT. 6 12:00 Throop Club Meeting 7:45 Dancing Class in Culbertson

11:00 Whittier Pep Rally Beginning of Frosh Initiation Week

SATURDAY, OCT. 8 8:00 Football at Rose Bowl Caltech vs. Whittier

MONDAY, OCT. 11 11:00 Radio Club Meeting in 401 Bridge

TUESDAY, OCT. 12

7:30 Band Rehearsal in Culbertson

WEDNESDAY, OCT. 13 7:30 Orchestra Rehearsal in Culbertson 9:00 Glee Club in Culbertson

# Tanham Steps Into New Post

The appointment of George K. Tanham to Master of Student Houses, taking over the duties of the late Colonel E. C. Goldsworthy, was announced by President DuBridge at Commencement last June. Mr. Tanham, well-known to freshman students of European history and formerly American history students, has been an instructor in the history department here since 1947. In addition to his new duties, he will continue in his usual

A native of Tenafly, N.J., Mr. Tanham graduated from Princeton in the class of '43. Immediately thereafter, he began three years of duty in the Army, serving as an officer in the 7th Armored Division's artillery, and as a forward observer. He saw action with General Patton's Army throughout France, Belgium, Holland, Luxembourg and

went to Stanford, where, in 1947, he received an M.A. in history. At present he is working toward a Ph.D. from Stanford.

His field is "The Belgian Resistance Movement, 1940-1944." Mr. Tanham, his charming wife and their 17-month-old son now reside in Arden House.

Student Houses is Harry Ellis, 11. Ricketts R.A. A native of Vancouver, B.C., Harry graduated from the University of British Columbia in 1945, spent a short time in the Canadian Navy and then worked as an E.E. for the Canadian General Electric Com-

studies by coming to Tech, where he has been since September, 1947. At present he is working for his Ph.D. in the field of high-voltage studies.

Much impressed by the wellrounded student he has found here. Harry feels certain that his stay in Ricketts will be a happy

After leaving the army, he

He decided to resume his

# Y Tea Dance Hosts Frosh, New Students, and Girls

Journalists . . .

A course in Journalism is

now open to all interested,

whether staff members or not.

For information, see Prof.

Macminn, Humanities Dept.

Film Classics

**Begin Sunday** 

An interesting series of films

chosen from the sea of old-timers

promises to be the solution of

what to do with Sunday and

Monday nights for Techmen.

This is the chance to both laughs

The Four Horsemen of the Apoc-

The way to take advantage of

Monday tickets are all sold out

90c for this term only. The films

will be shown on alternate week-

ends beginning this week-end.

Tickets are available from Miss

and culture the easy way.

in Synthetic Sound.

Pond in 119 Throop.

**ACS Honors** 

Tech Chemists

Dr. Arie Jan Haagen-Smit, pro-

fessor of bio-organic chemistry

in the biology division, and Dr.

ate professor of chemistry, re-

recent meeting of the American

Dr. Haagen-Smit received the

Fritzche Award for "outstanding

tial oils." His work in the oleo-

American Chemical Society

work in structural chemistry,

particularly his determination of

molecular structure in the vapor

phase by electron diffraction

The first ACS award in Pure

Chemistry was made in 1931 to

Tech's Dr. Pauling, now presi-

dent of the ACS. Of the 19

awards since then, nine have

either been at Caltech when they

received the award or were

trained there. These include Os-

car K. Rice; John G. Kirkwood,

sor of Chemistry at Caltech; E.

the ACS.

techniques.

consists of \$1,000.

# **Rally Slated** For Tomorrow

erie and "Hustlin' Hal" Musselman are slated to be guests of honor at the pep rally this Friday. Rally Commissioner Bert Snider and Head Yell Leader 'Mert" Merten have scheduled the year's first rally for 11:00 o'clock tomorrow in the pit behind the optics lab.

Merten and his two assistants, Chuck Miller and Leo Baggerly, will be there to lead the school songs and yells, and, incidentally, to teach the student body a few new ones. The rejuvenated Caltech Band, managed by Bill Sampson, will also be on hand to provide music between the yells.

Conference Prospects

Coach LaBrucherie is expected to give out the lowdown on Tech's conference prospects, so everyone will know what to watch for at the Whittier game, Saturday night. Last year the Beavers and Whittier fought to a 7-6 score in the first three periods, but the Poets went wild in the last quarter to win the game,

This year's Techsters will need your support to get their re-

# **Alumni Talks** Scheduled

After graduation, then what? What kind of a job to choose? Whether to go into large or small industries? How to get a job in the field you're interested in? How to choose a graduate school?

These and many more questions that seniors and other undergraduates will face when they leave Caltech will be answered by the Alumni Placement Lec-Another new arrival to the tures, which will begin October

## Topics

Topics for the Lectures, which are to be given at as yet-unspeci. Chemical Society in Atlantic fied places and by a number of City. prominent industriaists and Caltech professors, follow:

October 11 - The Graduate Seeks a Job-Methods of Securing Information.

October 18-The Place of Engineers and Scientists in In-

October 25 - Government Employment—Federal.

November 1 - Government Employment-State.

November 8-Industrial Research and Development.

(Continued on page 6)

# **Division Newcomers Queried Future Lies With**

# **Bacher Helps** first appearance this year at the Plan Synchrotron

Dr. Robert F. Bacher, new lege last Saturday. Revitalized head of the Caltech Physics Deby the addition of several freshpartment, "is delighted to get men this year, the Band expects back to a lab," after two and a to appear during all the pep ralhalf years as the only scientist on the five-man Atomic Energy Commission.

Before his appointment to the AEC in 1946, Dr. Bacher was the Nuclear Physics Laboratory Tech. at Cornell University. the presentation of a concert at

He also made important conground and the enthusiasm of was chairman of the important subordinate." bomb physics division of the Los Alamos Laboratory from 1943 to

(Continued on page 6)

# Scientist: Smith

Dr. Hallet D. Smith, new chairman of the Humanities Division, came to Caltech because "the people who will make the important decisions in the next gen- now Arthur Amos Noyes Profeseration will be the scientists—if those decisions are to be wise Bright Wilson, Jr.; Lawrence O. ones, the scientists should be Brockway; Kenneth S. Pitzer; trained in the humanities," he Frederick T. Wall, and Saul Winphysics professor and director of said in an interview for the

Dr. Smith has taught for 18 years at Wiliams, where the potributions to the development of sition of courses is reversed: "at the individual members promise oratories from 1941 to 1943, and very important and the sciences

## Differences

An opportunity to get back in termining the differences bethe experimental harness was tween men chosen for their abilsciences.

# "Music," Skit, and Beauty Contest Given as Entertainment For Mixer

This year's Y-sponsored New Student Tea Dance was held Sunday, in Dabney Lounge. Girls were imported from Oxy, Muir, P.C.C. and South Pasadena High.

The dance started off slowly due to reluctance on the part of the frosh to plunge into the seething mob of beautiful females. When the new students saw the upper class competition moving in they got down to brass tacks with their new steps and old lines.

## Working Staff

Everyone on the Y staff worked for the dance in some way or another, but Leo Baggerly was the man who coordinated the effort. He and his three assistants, John Boppart, who took charge of receiving the guests. Phil Orville, who handled the various arrangements for the dance, and Frank Ludwig, who planned the entertainment, initiated work on the dance last

## Intermission Program

Frank Ludwig was M. C. at the program held during the intermission of the dance. Much of the talent for this presentation was from the frosh class. Chuck Benjamin, Ken Lunan, The series includes Anna and Mike Sellen played a num-Cristie, The Navigator and Abber on two ukeleles and a violin. stractions, Ivan the Terrible, Burger, Sentner, and Hyde made up a trombone trio. An accoralypse, Sunrise and Abstractions dion number was then played by Bill Smith. Vern Edwards, his guitar and zombies, the zombies this opportunity is to show up being Mike Sellen, Fred Wood, at Culbertson Hall with a ticket. and Bruce Hedrick, gave a rendition of "Whiskey and Wild, Wild and about 50 Sunday tickets are Women." Another part of the left. Cost to undergrads will be program was devoted to a beauty contest, the winner of which was Joanne Peterson from Muir J.C. The main part of the program was devoted to a skit which was a parody on a radio program. The skit, "Casie's Cozy Coffins" used the histrionic talents of Frank Ludwig, Bruce Hedrick, Fred Wood, and Don Stewart. After the frosh officers were introduced, Manuel Silva, president of the freshman class, gave a brief speech to the guests.

## Verner F. H. Schomaker, associ-Y Session Will ceived outstanding honors at the Map '49 Policies

This Sunday the Caltech YMCA Cabinet will meet for an all day planning session at the South Pasadena Y Cabin in order achievement in analysis, research to map out the program for the and new applications of essencoming year.

The question of membership resins led to the award, which in the organization and what consists of \$1,000 and a gold constitutes an active member medal. The presentation will be will be a principal item on the made at the spring meeting of agenda, and the Y hopes to have a definite membership policy set Dr. Schomaker received the up before very long.

The session will meet at 9 a.m. Award in Pure Chemistry for his and will continue until 3:30 p.m., with time taken out, of course,

for dinner at the cabin. The Cabinet held its firet meeting of the new year last Thurs-This award also day evening at the home of Wes Hershey, Executive-Secretary of the Y. Bob Crichton, president, presided at the occasion.

## **Annual Well-Baby** Conference Opens

The Institute's continued interest in the offspring of its students is shown by the fact that the Well-Baby Conference is being held again this year. The Conference is a periodic health examination held on the second and fourth Tuesdays of each month at 4 p.m. in rooms 101 and 102 of Kerckhoff Biology Laboratory by Dr. Fremont P. Koch, pediatrician.

All children of Caltech students under two years old are eligible for these periodic health examinations. Registered stuby Dr. Koch should make an apservice is offered to the students by the Caltech Service League.

# IRE Reorganization radar at the MIT Radiation Lab- Williams the humanities are Session Announced

The Caltech Student Branch of the Institute of Radio Engineers will have a reorganization meet-During the next few years he ing Monday, October 10, at 11 dents who wish to arrange for said he will be interested in de- a.m. in Room 206, Dabney. All their children to be examined present members are expected to be there. Any persons who are pointment through Mrs. John one of the reasons Dr. Bacher ity in the humanities, and men interested in joining the IRE Gee Clark, SYcamore 6-7435. This came to Caltech from his posi- chosen for their ability in the should be there so they may start participating.

# Welcome!

Long ago and far away a bard once said, "There is nothing new under the sun." Looking about us these days reminds us of the falacy of that statement, when we notice many new faces on this campus, a new football coach over at Tournament Park, a new Master of the Student Houses, new additions to the faculty, and the foundation of a new building on the grounds.

With over two hundred freshmen and transfer students to greet, new professors and instructors to meet, it seems that most of this year could be utilized by just getting acquainted.

However, we would like to take this opportunity of not only extending the hand of welcome and friendship to the many newcomers to C.I.T., but to welcome back the sturdy souls who are planning on forging through another three terms at Caltech. The staff of the California Tech sincerely hopes to meet you all before June rolls around.

# Secretary's Report

The ASCIT Board of Directors at its first meeting of the year felt that the first of the Secretary's weekly reports should be devoted purely to three important announcements.

The first announcement concerns all graduate students who wish to join the Associated Students in order to attend all football games, school functions and dances, and to receive the school periodicals. All they need do is stop in at the Athletic office, pay their first term dues, and sign for their membership card which is a ticket of admission to all ASCIT activities. In the past many grads have taken advantage of this opportunity, and they are again encouraged to do so this year.

The second notice concerns the student car repair lot, the only location on campus where cars may be legally worked on. The key to the lot and all particulars including the several rules governing the lot can be obtained at any time from Stan Groner in Blacker. It might be well to mention that the campus guards have been instructed to fine anyone found repairing a car in any other place on the campus.

And thirdly, the Board of Directors wants to emphatically announce that their meetings take place in lower Fleming every Thursday evening at 7:15 and anyone is cordially invited to stop in. Many people ask what the Board does and who are its members. These people should take advantage of their right, sit in for a few minutes at any meeting, and just see how the corporation business is administered. The Board extends a special welcome to new students who are interested in student government at Caltech. (Signed)

Olly Gardner

# The Front Burner

Topping off a great season of York stage hit, "Finian's Raintunes as "How Are Things in fine season at the Playhouse. Gloccamorra?" and "If This Isn't Love," this hilarious musimore weeks at the Philharmonic. one. All things considered, music, for a very good night's entertainment.

put John on a spot, and provides good revues.

KFAC 8-10 p.m.

Presented by the Southern California

and Southern Counties Gas Companies

THURSDAY, OCTOBER 6

FRIDAY, OCTOBER 7

SATURDAY, OCTOBER 8

MONDAY, OCTOBER 10

WEDNESDAY, OCTOBER 12
Mignon—Overture, by Thomas. NBC Symphony Orchestra conducted by Arturo Toscanini (9).
Symphony No. 5 in E Minor, by Tschaikovsky. The Philharmonia Orchestra conducted by Paul Kletzki (44).
Lity Pons, Soprano (26).
Raymonda—Ballet, by Glazounov. Boston "Pops" Orchestra conducted by Arthur Fiedler (33).

real humor for one and for all. Produced in the usual well-done Playhouse style, it is well rec- Bill Muehlberger won it last ommended for an evening's en-"John Loves Mary" joyment. light opera at the L. A. Philhar- runs until October 9. It will be monic Auditorium is the New followed by "Happy Birthday," "Edward, My Son," and "For bow." Featuring such top hit Love or Money." It looks like a

## Cinema

In the movie department cal comedy is currently provid- there are some excellent proing the best in entertainment to ductions around L.A. "The Red Southland theatregoers. Mari- Shoes" is still in its record-breaklyn Day and Joe Yule are doing ing engagement at the Fine Arts a fine job as the leads in the Theatre on Wilshire near La show. It will be running for two | Cienega. You shouldn't miss this

"Henry V," with Laurence songs, sets, cast, and fun, "Fin- Olivier, is starting today at the ian's Rainbow" is a sure thing Arlington Art Cinema on Washington at Arlington. This is very well done and features a remark-The Pasadena Playhouse opens able performance by Olivier. Posits fall season with the fast-sibly worth mentioning is "Devil comedy, "John Loves in the Flesh," at the Uclan It is packed with de- in Westwood. This is a French lightful situations designed to production which has received

The Evening Concert Musical Masterpieces KFAC 4-5 p.m. daily 2-5 p.m. Sunday Presented by the Slavick Jewelry Company

THURSDAY, OCTOBER 6

\*Rienzi "Overture"—Wganer
Arthur Fiedler and Boston "Pops"
Orchestra
Concerto for Clarinet and OrchestraMozart. F. Etienne, Clarinet
Maurice Hewitt and Symphony
Orchestra

Orchestra
Suite Pastorale—Chabrier
Jean Martinon and London Philharmonic Orchestra

THURSDAY, OCTOBER 6
Ruins of Athens—Overture, by Beethoven.
Vienna Philharmonic Orchestra conducted by Arnold Rose (3).
Symphony No. 2 in D Major, by Brahms.
Philharmonic-Symphony Orchestra of New York conducted by Artur Rodzinski (35).
Divertimento in E Flat Major for Violin,
Viola and Violoncello (K. 563), by Mozart. Jascha Heifetz, Violinist, William Primrose, Violist. Emanuel Feuermann,
Violoncellist (33).
CHACONNE—Nun Komm', Der Heiden Heiland—Adagio—Siciliano—Come Sweet
Death—Sarabande, by Bach-Stokowski.
Philadelphai Orchestra conducted by Leopold Stokowski (40).

FRIDAY, OCTOBER 7

FRIDAY, OCTOBER 7

\*The Barber of Seville "Overture"—
Rossini. Arturo Toscanini and N.B.C.
Symphony Orchestra
Peter and The Wolf "An Orchestral
Fairytale"—Prokofieff. Richard Hale,
Narrator. Serge Koussevitzky and
Boston Symphony Orchestra
\*London and London Again "Suites"—
Coates. Eric Coates and London Symphony Orchestra

Weekly Feature Concert—A Program of New Recordings
Lohengrin—Prelude to Acts 1 and 3, by Wagner. German Opera House Orchestra, Berlin, conducted by Eugen Jochum (12).

Symphony No. 1 in F. Minor, by Sthalium phony Orchestra
SATURDAY, OCTOBER 8 Symphony No. 1 in E Minor, by Sibelius. Stockholm Radio Symphony Orchestra conducted by Tor Mann (36). Ein Heldenleben, by Richard Strauss. Concertgebouw Orchestra of Amsterdam conducted by Willem Mengelberg (40). Concert for Orchestra, by von Einum. Saxonian State Orchestra conducted by Karl Elmendorff (24).

Cockaigne "Overture"—Elgar. Sir Edward Elgar and B.B.C. Symphony Or-

ward Elgar and B.B.C. Symphony Or-chestra
Selections from Rigoletto—Verdi. Tito Ruffo, Baritone. Maria Galvany, So-prano with Orchestra he Rake's Progress "Ballet"—Gordon. Constant Lambert and Royal Opera House Orchestra of Covent Garden

Andrea Chenier, by Giordano. Soloists, Chorus and Orchestra of La Scala, Mi-lan, conducted by Oliviero de Fabritiis.

SUNDAY, OCTOBER 9

\*A Program of Bach Organ Music as played by Dr. Albert Schweitzer Prelude and Fugue in C Major Fantasia and Fugue in G Minor Little Fugue in G Minor Prelude and Fugue in G Major Prelude and Fugue in F Minor Toccata and Fugue in D Minor MONDAY, OCTOBER 10

Tannhauser—Overture and Venusberg Music, by Wagner. Philadelphia Orchestra conducted by Leopold Stokowski (23). Symphony No. 7 in A Major, by Beethoven. Berlin Philharmonic Orchestra conducted by Eugen Jochum (39). Benno Moiseivitch, Pianist.

Concerto No. 1 in B Flat Minor for Piano and Orchestra, by Tschaikovsky. The Philharmonia Orchestra conducted by George Weldon (33). Jeux d'enfants, by Bizet. London Philharmonic Orchestra conducted by Antal Dorati (17).

MONDAY, OCTOBER 10

\*The Crown Diamonds "Overture"—
Auber, Arthur Fiedler and Boston
"Pops" Orchestra

\*Concerto in E Minor for Violoncello and
Orchestra—Elgar. Beatrice Harrison,
Violoncellist. Sir Edward Elgar and
New Symphony Orchestra
Caucasian Sketches—Ippolitov-Ivanow
Arthur Fiedler and Boston "Pops"
Orchestra

TUESDAY, OCTOBER 11
La Gazza Ladra—Overture, by Rossini. NBC Symphony Orchestra conducted by Arturo Toscanini (9).
Symphony No. 8 in B Minor (Unfinished), by Schubert. Philadelphia Orchestra conducted by Bruno Walter (23).
Yehudi Menuhin, Violinist:
Nutcracker Ballet Suite, by Tschaikovsky. The Philharmonia Orchestra conducted by Nicolai Malko (23).

TUESDAY, OCTOBER 11
Alceste "Overture"—Gluck. Wilhelm
Furtwangler and Berlin State Opera Orchestra
Symphony No. 6 in G Major "Spirituelle"
—Hamerik. Boyd Neel and String

—Hamerik. Boyd Neel and String
Orchestra
Mephisto Waltz—Liszt. Serge Koussevitky and Boston Symphony Orchestra
WEDNESDAY, OCTOBER 12
\*A Faust "Overture"—Wagner. Arturo
Toscanini and N.B.C. Symphony Or-

\*Symphony No. 2 in C Minor "Little Russian"—Tschaikovsky. Eugene Goossens and Cincinnati Symphony

Goossens and Control of Control o

## **P**otpourri

THE CALIFORNIA TECH

By Bob Crichton

This is a new weekly column to bring you the people and the news behind the news at Caltech. We have a fine frosh class this year. They hail from 20 states, the District of Columbia, Hawaii, India, Honduras, Canada, Philippine Islands, Guatemala, England and Argentina. There are four Student Body Presidents, one Vice-President, two National Honor Society Presidents, one Vice-President, five Class Presidents, one C.S.F. President, one Y.M.C.A. Council President, two Editors of School annuals, and one Editor of a school paper.

### Student Camp

New Student Camp was a great success this year. In fact, one Frosh was so amazed at the opportunities in extracurricular activities that he asked Dean Strong, "Is Tech a resort for exuberant extroverts? I came here to study!"

Y Greeters met between 30 and 40 new students at planes and trains this year. The main workers were Drury, Key, Connor and Buck.

### The Hinrichs Award

Congratulations to Paul Saltman, who won the coveted Hinrichs Award. The \$100 prize is given to the senior who in the judgment of the undergraduate deans "throughout his undergraduate years at the Institute has made the greatest contribution to the welfare of the student body and whose qualities of character, leadership and responsibility have been outstanding." More than one award or none may be made in any year.

## "Goon" Marries

Paul got married and is doing graduate work in France this year. The high point of his marriage came when "Red" Furth, the best man, was fumbling for the ring, which was in Red's watch pocket. Paul turned, and in a loud stage whisper said, "DON'T PANIC."

## Sis Engaged

Sis Stabler, popular Y secretary, is engaged to Robert (Bob) R. Grinstead. They are to be married on October 29th. Bob got his Ph.D. in Chem, here and was a frosh chem, instructor for some of the present Junior class. Best wishes to both of them. Rube Mettler, last year's Rick-

etts R.A., received his Ph.D. Magna Cum Laude, a very rare honor at Caltech. He is now working as assistant to the research director of Hughes Aircraft Company.

Chuck Auerbach, former Dab-Francisco. He is coming down October 15th.

Bill Cox introduced the Frosh line coach, "Manny" Bass, at ing the editor's hand. Frosh Camp thusly: "Manny was once a 97-lb. weakling . . . at

## Bargain

re-opened the old Sierra Madre line which promptly went bank-Hotel with Tech students as rupt after landing them in boarders. There are 3-4 room apartments for 2-3 guys, \$14 per apartment, master kitchen, evemain lounge, kitchenette in each rides. Call Custer 5-6771.

# Campus Brewins

We finally retrieved our bat- France, thus leaving them tered typewriter from the pawn stranded in the land of the illusshop where it lay up in credit trious can-can without the price for a couple cases of brew this of a Folies Bergere ticket besummer, in order to sharpen the tween them. They didn't even old beak and get back on the succeed in passing off as natives!

in by carrier beetle, contains was quick to shout "Laundry some interesting material. The goes out a week from Monday." Rowdies seem to have weathered Hammond has since returned the summer rather well with the with two volumes of the famed exception of a few harrowing ex- literature of Henry Miller, with periences and one major casual- which he is now doing a brisk ty. The big surprise of the year and lucrative lending library even to the All-Seeing Eye business. Another Cairo Casawas the amazing nuptial of Stan nova, former chum of Matzner's, Boicourt, who apparently got one Roger Hassid, arrived here tired of putting on miles to with 15 suits, 3 tuxes, 10 dozen Crestline, so he moved her down suits of underwear, and a \$5000 within easy reach. When the expense account. We were bitbig day arrived, the wedding ter indeed to see him leave for party descended on the church Stanford (this use of profanity only to find that it was empty. will probably not get by the edi-Stan, it appears, had thought tor). We had planned to become best man Bowen had sent out close friends . . . invitations, and Bowen-had understood it vice-versa-wise, or so mentioned only in hushed tones, they weakly explained to the has finally come to the raised champagne-hungry multitudes.

in the affair, purely as a guest, imbibition of ethanolic draughts and emerged with three light- to an extent that his friends had headed bridesmaids. Having to take away his car keys and originally contracted to take drive him home to the loving. only one home-with commenda- but unperturbed, arms of his ble cunning-found himself bur- grandmother, who put him to dened with the job of jamming bed without further comment. them all into his coupe. Stopping at an L.A. drive-in, they were embarrassed by the permer passion, Joyce, saying they formance of one girl who didn't were engaged. The shock for seem able to cope with her two Bob was receipt in the same mail glasses of champagne, but the of a letter from her father. Have carhops, prepared for such emergencies, arrived like the Marines heed returned from a pleasantly with mops and cleaned up. After immoral summer at Lake Tahoe, depositing two maids safely at home, Norm found the third in no mood for bidding adieu. He arrived back with a satisfied smile at 4 a.m.

Declaring a truce, all retired to the best things in life are free? Van de Kamp's. Crichton is apparently given to roaming in a Blacker direction, for at 5 a.m. Sunday morning outside this house, he was met by two comely wenches who asked him to go in and wake up Boyd Gage and Gene Spencer, who, on being awakened, evinced no surprise, but suavely drove off with them (minus Crichton!) in Spencer's functional Nash. Another Blacker note is the interesting date procured for Hefner by Ed Py-att. Pyatt has announced to his Frosh seem to be taking off into ney R.A., is working and play- close friends that he is NOT to ing ball for Standard Oil in San be referred to as "B. F. Pyatt" -a name suggested by Hefner, and seconded by this column in keeping with its policy of kiss-

The summer has netted a certain crop of sagas, particulary the story of ex-wheel Barnes and Fleming Laundry Hammond, Jack and Mary Ottestadt have who went to Europe on an air-

month per man. Also available, ning meals at cost and plenty of

# Seen by Matzner by chance by The Rickets report, just flown the Place del 'Opera, Hammond

Pete Verdier, genius to be eyebrows of this department Norm Fink also got wound up with a tremendous evening of

Bob Madden got a surprise letter from his very luscious suma good summer, Madden!? Wawhere he attended a co-ed summer camp for foreign students with commendable results, returning with the story that he was tired of American women. Busily engaged in Frosh se- We're convinced. Klarfeld, our duction (this word has many junior-edition Mad Man Muntz, meanings), Bob Crichton breezed is selling that worthy's TV sets into the boudoir of some Blacker to unsuspecting consumers, and neophytes with a cheery "How'- is so fascinated with his work d'ja like to go get something to that he has painted his car white eat?" Various faces came out and smeared it with advertisfrom behind books including that | ing, and plans to attend no social of Ralph Lovberg, Blacker's functions this year in order to First Citizen, also engaged in the have more time to sell. Moneysame occupation presumably. hungry! Hasn't he heard that

> Much gloating and gleeful rubbing of tender fists followed the Frosh Tea Dance, where we were shocked to see an unlawful number of upperclassmen. A note of rebuke in passing. The Frosh are handed a collective award for their excellent showing and eagerness. At a Pomona dance recently many of them were also noted for outstanding presence and activity, among them Mal

(Continued on Page 3)

## The California Tech

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## Who Dealt This Mess BY CARL FOX

Ed. Note:

This is the first of a series of bridge articles for the tyro. It will run in lesson form starting this week. We hope it will be sufficient for the beginner, and a helpful revue for the novices and advanced

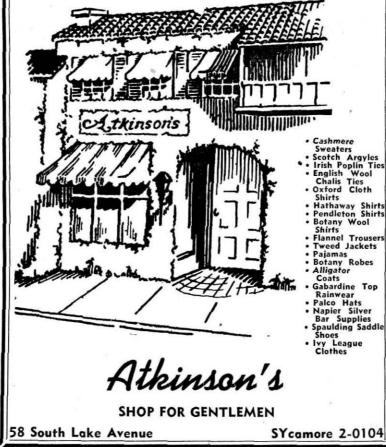
For the first term this column will be devoted to discussing the fundamentals of bridge. It will be assumed that the reader is familiar with cards, at least to the extent of knowing the rank of cards and suits. Nor will the mechanics of scoring be dis-Bridge is the medium where-

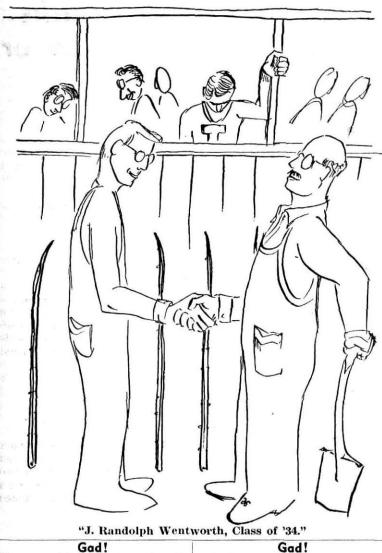
by two teams indulge in a mental contest. Remember that this is a partnership contest, not a solo exhibition. The object is to play each hand at the most advantageous contract in terms of the combined hands of the partnership, not in terms of your individual hand. It may, and often does happen that this spot is for the opposition to play the hand. To understand whether or not a given contract is advantageous it will be necessary for the beginners to learn the ways in which scoring is accomplished.

There are two parts to each hand, the bidding and the play. Of these, the bidding is more important since good play can mitigate but little the evils of reaching the wrong contract, while poor bidding may nullify the best of play. Since the aim of bidding is to reach the best contract, it follows that, usually, good bidding consists in passing Silva, Don Tierney, Terry Thom- the maximum of useful informa-

(Continued on Page 4)







If you drink a glass of milk every morning for 1200 months, 100 years old.

And then there was the cannibal who caught a beautiful young you are guaranteed to live to be girl and decided to have breakfast in bed.

#### CAMPUS BREWINS

(Continued from Page 2) the social slough like a covey of steatopygic starlings, to paraphrase an old Army remark. Not so well is the sad relation of several Blacker young ones who folishly gave some Tea Dance telephone numbers to Long-eared Pilkington; Pilkington, not one to let opportunity beat down his door in vain, now has two dates for next week-end!

One man who will probably not be living in Dabney after rotation is Tom Stockebrand, at the LaVerne game when he greeted latecomer George Smith with: "There's George Smith! BRAAAAACK!! (through megaphone) BRAAAAACK!!" Scorning LaVerne were Goerke and G. Abell, who were trapped by the wide-roving reporter while sipping coffee at the Pasadena Playhouse discussing madrigals (Old English for "can-can") with a couple of likelies that looked like visiting madrigal experts themselves. Ah! Such is the life of culture . . . Also scorning the rowdiness of football for culture was wheel Stan Groner, who spent the evening enjoying the intricacies of burlesque at the Sunday, claimed it was something he ate!

Blacker's former Pope, Dan sacrifice and left the House in order to make an example of exemplary conduct in a papel manner to his former parish—he is

``My

cigarette?

Camels,

of course!"

living in an apartment, sur- BACHER HELPS rounded by the apartments of beautiful, single working girls. He expects his work will suffer, but the necessity of being a shining model of the papal life is very close to Dan's heart, and he is putting his heart into it. The College of Cardinals in Blacker has met to appoint Hendrickson temporary Pope until an election of the Elite can be held. Two other notes of interest have deeply affected the houses. The first is the fourth round of wage increases in the Dabney Haircutters and Lawn who was observed with interest Mowers Union, presided over by Long Shears Royce and Short Shears MacKenzie, to an inflationary 65c. A second major economic revolution is the final demise of the House supply of Amazon soap ("Amazon-it doesn't lather, it doesn't suds; it just keeps you company in the bath tub!"), and the subsequent cutthroating of local House soap entrepreneurs and cartels with rabid competition for the suddenly-

in the dark corners of Tech. The by Russia of an atomic bomb, he Burbank. Stan was sick all day Eager Beak was severely reprimanded for its ebullience and courageous crusading for the truth evidenced last year. Let-Schuster, has made the ultimate ters of protest against such highhanded may be wrapped around are most certainly interested in cans of beer and pitched through bomb development and producour editorial window, and will be happily received.

opened market.

(Continued from Page 1) tion with the AEC, he said in an interview for the California

#### Synchrotron Plans

Although Dr. Bacher is not doing any experimental work at present, he is participating in developing plans for a synchrotron to be used at Tech.

The synchrotron, according to Dr. Bacher, will develop "many points of interest in the study of elementary particles, since the only way we know of to produce these elementary particles is by means of the synchrotron or cosmic rays.'

"Caltech has played a very important part in cosmic ray research," according to the new Physics head. "Caltech's outstanding work in two fields, nuclear physics and cosmic ray research," will be associated and coordinated even more after the development of the synchrotron.

## Member of AEC

powers of censorship that exist cerning the recent development search.'

". . . At this time it would be interesting to speculate on the objectives of the Russian atomic energy program. The Russians tion . . . but it seems most unlikely to me that this is the only

aim of their program . . . they recognize in atomic energy a new field, the successful development of which on a broad front, would allow them to achieve in one jump a position of more equal industrial development with the rest of the world . . . Success would mean a stronger country both in industry and in mliitary

#### Restrictions

potential."

Concerning restrictions on interchange of information about atomic energy, Dr. Bacher said:

"No one would argue today that our national security is not closely tied to our present position in atomic energy. But it is vital to realize that our security and continuing national strength are tied to the future development of atomic energy.

"In order to make the best progress in this work we should remove unnecessary road blocks set up by excessive secrecy; we should cooperate with Britain and Canada, making the most of As an ex-member of the AEC their work as well as our own; We wish to call attention to Dr. Bacher is an authority on and we must advance not only our cherubic omission of any the military aspects of the in the solution of our immediate commentary on Scripps, a condi- atomic bomb. Speaking at Town technical problems but on the tion forced upon us by the ugly Hall, Los Angeles, October 3, con- broad front of scientific re-

## Student Faculty

Speaking as a university professor with experience at large eastern universities Dr. Bacher also commented very favorably during his interview on the student-faculty relations at Tech:

"Caltech has a very unusual place among universities in that it has a very small student body which therefore has a chance to know the faculty well."

number of graduate and undergraduate students at Caltech was appreciated by Dr. Bacher. He plans to assume teaching

The even balance between the

duties at the Institute after the end of the first term.

## **Goethe Contest** Announced by S.C.

A Goethe essay contest in honor of the 200th anniversary of the birth of Germany's most famous man of letters, Johann Wolfgang von Goethe, was announced today by the Southern California Chapter of the American Association of Teachers of German.

ble to compete.

Deadline will be Saturday, October 15. First prize will be \$20. Second and third prizes will be \$10 each. Fourth and fifth prizes will be \$5 each.

Essays, which may be up to 2000 words, may be written in German or English on the subject, "What Goethe Means to

(Continued on Page 6)

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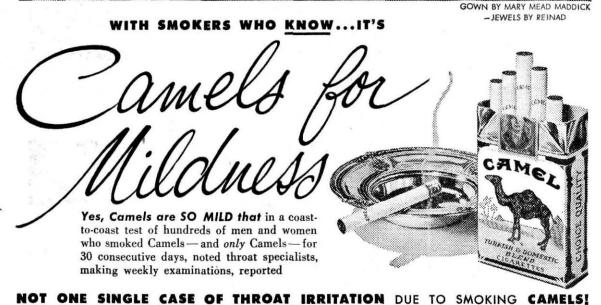
J. Paul Sheedy\* Switched to Wildroot Cream-Oil Because He Flunked The Finger-Nail Test



LOOK AT Sheedy all puffed up with pride. And to think that only last week he almost croaked when he found he couldn't pass the Finger-Nail Test. Then a friend put him wise to Wildroot Cream-Oil hair tonic. Now he's the big noise on the campus. Non-alcoholic Wildroot contains Lanolin, keeps hair neat and well-groomed all day long. Relieves annoying dryness, removes loose, ugly dandruff. So if you haven't switched to Wildroot, better hop to it right away. Get Wildroot Cream-Oil in bottles or tubes at your nearest drug or toilet goods counter. And don't froget to ask your barber for professional applications! (One at a time, of course!)

\* of 327 Burroughs Dr., Snyder, N. Y.

Wildroot Company, Inc., Buffalo 11, N. Y.



# The Root of All Ills: Women Fall Shindig

Fleming social directors have cial Program for the first term though incommensurate with president. Educational activities their prodigious labor, still constitutes the ultimate of social representatives from Orr, Haines veterans of last year's crew. achievement.

Launched with a startling innovation-an exchange for Fleming Freshmen on Friday - activities get under way. In order to satisfy the need for diversity, football games have been arranged to precede various postgame dances. To ensure repose after these, there comes a parade of significant events, led by one of Fleming's infamous local exchanges. Feeling the need for culture after this, a theater party has been scheduled. A bowling party, house stag, theater party in L.A., and optional Thanksgiving party for the snakes follow in magnificent procession.

Indeed, the culmination of this superb program embodies two magnificent events: the skating party (gay blades note!), and a big blowout after finals.

## **Blacker Features Mountain Party**

Variety is the very essence of Blacker's social schedule this term. A skating party, a hay ride, a barn dance, and a theater party at the Pasadena Playhouse are but a few of Blacker's fall term social attractions.

Two exchange dances, one with John Muir College and the other with Oxy, will start the social program rolling.

By popular demand, one of the feature social functions of the term will be a Mountain Party. Last year's Mountain Retreat made such a hit with the lucky couples present, that a second one has been a must on the calendar. An added attraction this year will be the cool pleasure of the swimming pool which was closed last year.

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# **Dabney Plans**

A tentative Dabney House Soand Erdmann Halls at Oxy make a trip to Dabney for a get-acquainted dance. The new Dabney Freshmen, who will have been permanently assigned by Friday, are particularly urged to take advantage of this opportunity to make important new "contacts."

#### Beach Party

The exchange will be followed on Sunday by a Beach Party at famous Ricketts barn dances. Emerald Bay, a pleasant site near Laguna. Then, on Saturday, October 15, the first official contest of the year for the Interhouse Crew Race Trophy will take place between Fleming and Dabney at Mountain Oaks. The Darbs are now holding the trophy for the second consecutive fense to the challengers.

Subsequent activities as now ty, a skating party, and a record opening bids will be discussed. dance on Thanksgiving weekend. The remaining week-ends will be occupied with the ASCIT Scripps Exchange, the Pajama-

## Rowdies Open Fall Icebox Animals Schedule With Stag Studied In Arctic

Ricketts men will see a well-

Vice-President Norm Schroeder's committee has further arranged entertainment calculated to fill the "leisure hours" of both the he-men and the operators for the rest of the term. These indoor sports include several exchanges with Scripps, postcard and square dances, theater and ice-skating parties, and last, but by no means least, one of the

## WHO DEALT THIS MESS?

(Continued from Page 2) reached by groping in the dark but generally full co-operation is

required. expected to furnish a strong de- there has never been invented a substitute for honor tricks. Next week a short table of honor scheduled include a theater par- tricks and the requirements for

## Egad!

dance on November 5, and the when she swallowed an olive ASCIT Formal on December 3. twelve men left town?

Why can an arctic bird such filled fall social program off to a as the tern stand on ice for long tists have also done some prefast start with a Stag this Fri- intervals without freezing its liminary research on hibernating strived to surpass themselves in was released last week by Fer- day night. The purpose of the feet when in its natural habitat; composing a program which, all nando Corbato, Dabney vice- masculine opener will be to get how does a polar bear, which has the Freshmen and new members long hair, but very little, if any, begin this Friday night, when of the house acquainted with the fur, withstand cold arctic weather? How does the blood of arctic animals differ from that of those evidence that some very unusual in temperate zones? What is the changes occur. For example, the chemistry of such blood and also the chemistry of sub-cutaneous animals goes down to as low as fats which arctic animals have two degrees below freezing and that seems to insulate them from intense cold?

> These are some of the things Dr. Dan H. Campbell, California Institute of Technology professor of immunochemistry, would like to know more about and for which the Office of Naval Research is providing search funds. the ONR's Arctic Research Lab- are about four inches long and ing the hole over right tackle oratory at Point Barrow, Alaska, have heavy soft grayish brown for 63 yards. Babe's run set up Uncle Sam's northernmost scien-The bedrock upon which the tific outpost. The laboratory is mole but do not burrow. At times several plays later. structure of bidding is built is under the direction of Professor they completely disappear from year, and with several members honor count. Long suits, voids, George W. MacGinitie, Caltech the arctic, and then reappear. of last year's team returning, are and the like are valuable, but marine biologist currently on leave from the Institute.

for long intervals without freez. bers," Dr. Campbell said. ing its feet will if kept in cap-Did you hear the story about tivity under milder conditions seals, foxes and possibly polar rino, the annual Interhouse the girl who was so thin that sustain frozen feet when it again various arctic wildlife, such as returns to the same extremely bears, is also planned by the Callow temperature which it had tech scientists.

previously been able to withstand. Scientists would like to know how to explain these facts.

Dr. Campbell and fellow scienanimals in the arctic, in search of information on what body and blood changes take place during such periods. They have found body temperature of hibernating their breathing becomes very slow. Serum albumin, which normally makes up about 50 per cent of the blood proteins, disappears from the blood of hibernating animals, he said.

Dr. Campbell expects to be working with a number of arctic animals and birds such as terns, edge at first quarter ran the ends To continue this work, which he squirrels, etc., and will also study for three tallies in the second began last year, he has left for lemmings. These animals, which fur, resemble in some ways a the touchdown Woody took over There seems to be some correlation between their appearance in from mile-high fame netted two By some process, believed to large numbers and the prevabe a chemical one, arctic animals lence of other arctic animals at third groundwise. It was noted and birds adapt themselves to the same time. "When the lem- throughout the game that Ariextremely low temperatures. The mings come back, other animals same tern that can stand on ice also are present in greater num-

More research on the blood of ple time for aerial deliveries.

# Crush Beaver

A squad of thirty-three Beavers journeyed to Flagstaff on their first encounter of the season. Highly disturbing showers and a better than anticipated pack of Lumberjacks greeted the local eleven after their cross-desert jaunt, and teamed to sock a forty-three to thirteen defeat at startled Techmen.

Impressive Beginning

Initial contact with the Arizonians was very impressive from the orange and white bench while Captain Baker and crew powered to two successive first downs and pushed their hosts back on their first three attempts to penetrate Tech lines. The lumbermen, however, with a 6-0 while Babe Karasawa was find-

Mud Flew

With the mudeo well under way in the second half, the men more TD's through the air and a zona gains through the line were considerably short, although their passers seemed to have am-

Baker Comes Through A last minute thrill was produced as Don Baker grabbed a (Continued on Page 6)

# LUCKIES PAY MORE to give you a finer cigarette!



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# **Engineers Rally To** Deadlock LaVerne 6-6

Beavers and the Leopards of La Verne. Babe Karasawa and John Lewis headed the attack as they ran and plunged through the La Verne line for most of the Cal-🏖 tech yardage.

First Blood After a scoreless first quarter, a La Verne pass to Dean Gillette was good for a touchdown. They were close to scoring again when Tech took over on their own one

yard line as the half ended. Babe Scores

The Beavers came back in the next quarter when Karasawa crashed through right tackle and swivel-hipped forty yards to the goal line. Tyson's kick for the extra point was blocked by Dick Tagg, La Verne center, ending the scoring for the evening.

Play in the final quarter seesawed back and forth on the field with La Verne retreating deep into their own territory on a fifteen yard penalty and two consecutive five yard losses; but the Leopards managed to punt to

The game ended just as Caltech intercepted a La Verne pass on their own one-foot line.

Summing Up Although the Beavers were ahead on first downs at the half 7-6, the final totals favored La

Verne 12-9. The orange and white defense seemed much improved over the Arizona State game, Craig Marks and Noel Reed stood out defensively in the center of the line.

A spirited Caltech team meets Whittier in the Rose Bowl this Saturday for our first conference

# Distance Men **Begin Trials**

Cross country started officially Monday night amid the groans and cries of "Oh, my shin splints." Coach E. J. Brown briefed the runners on the "Swedish" training he plans to use this year. Reporting to hear the bad news were Dick Smyth, Gene Shakespeare, Charlie Steese, Bill Lansdown, Brad Houser, Bob Cobb, Dick Dickinson, Ray Bowerman, Pete Mason and Bob Kurland. Also reporting were several Frosh who will, in general, be running inter-

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## SPEAKIN' SPORTS

To carry on from where the gifted pen of Paul "Goon" Saltman left off is truly a privilege experienced by few. We will all miss his natural, humor-tinted philosophies in "Talking It Over." Winner of last year's Hinrich's Award for the outstanding senior, Goon now resides in the state of matrimony and is studying under a scholarship in France and hopes to cast his educated little self upon the world a couple of years

Bon Voyage

If you no longer hear that familiar Texan "Hit 'em Harder' arising from Tournament Park, it's more than lkely because Mason Anderson is no longer commander of the Tech eleven. Little Andy checked in his orange and white football gear to take up bank managing down in the Lone Star State. Andy was Athletic Officer of the V-12 unit at Tech. After the Navy's departure, he stayed on, producing a commendable record that will not soon be forgotten. Our best to Andy.

Welcome

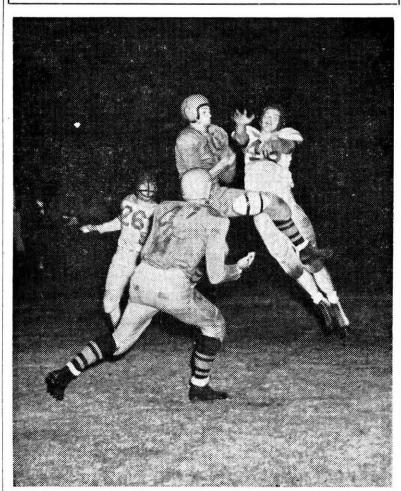
Bert Labrucherie is not new to the Southern California Intercollegiate Conference. Our new football and track coach played against Caltech as a halfback on the UCLA team in 1926, '27 and 28. As most of us know, Bert was voted Coach of the Year when he took his UCLA squad to the Rose Bowl in 1946. A hearty greeting, coach; welcome aboard!

Cleats Fly

Digging through the dirty uniform bag after the Arizona State game, I came to the conclusion that a pile of Beavers evidently ran into a bit of mud up Flagstaff way. Four unrecovered Bill Pilkington, Mike Sellen, fumbles by local backs tend to prove it. You say, "Who' hoppen?" You've got me, but I'm saying that it was a greatly improved ball club that came to a a fine cabin near Snow Valley (Continued on page 6)

meets with the other four conference teams, L.A. State, P.C.C. and U.C.L.A. Anyone with run- equipment rental fees, reduced We seem to have the makings ning experience or the desire to tow and instruction rates, and reof a good team this year, and run is urged to report to Erle duced race entry fees. In addi- Association. Weekends during out. Mr. James Hill, a grad stu- old rivals, Occidental, Pomona, with a few breaks we might even Brown at the field house any tion, members receive subscripthe season find avid members dent, has consented to be coach. and Redlands, as well as a numrepeat last year's conference vic- afternoon. There's always room tions to The Skier. Each sea- and their guests enjoying the The schedule includes for one more on the team.

# Beaver Sports



Leopards Hodson (41) and O'Neil (49) encounter Tech pass defenders Dayman (26) and Michaelsen (46) in end zone as second quarter scoring attempt is stopped. Beavers tied LaVerne, 6-6.

## Skiers Organize, Plan Activities

Dick Jones, president of Caltech's Ski Club, recently announced the club's annual mem-Club is a group of and for beginning skiers and all interested bers of the club, one of Tech's most active organizations, are for sprained fingers yesterdaylooking forward to another fine

Increased Privileges

The club owns and operates and membership in the club entitles one to use of the hut and guest privileges at nominal rates. Club members enjoy reduced son the Ski Club sponsors and

## Houses, Throop Begin Baseball

Hark all ye that dare to walk tions include TOM JANSSENS upon the sacred domain of Tour- and GENE MUEHLBERGER at nament Park ball diamonds. bership drive. "The Caltech Ski Your first conk on the head will and JERRY ROSS at tackles, assure you that interhouse baseball is under way. Competing persons as well as schuss-boom- for horsehide honors, our four ers and experts," he said. Mem- local little dens of iniquity and Shinmen Look Throop Club started their bids too late for publication.

Interhouse Baseball Schedule

5—Ricketts vs. Blacker 6—Fleming vs. Throop
10—Dabney vs. Ricketts
11—Blacker vs. Fleming
12—Throop vs. Dabney
13—Fleming vs. Ricketts
17—Blacker vs. Throop
18—Fleming vs. Dabney
19—Throop vs. Ricketts

19—Throop vs. Ricketts 20—Dabney vs. Blacker participates in intercollegiate ski

(Continued on Page 6)

# **Tech Hosts Poets** In Initial SCIC Tilt

Frosh Sports Roundup

BY PERRY VARTANIAN

tions. Among the maps, touring

guides, calendars, and such, he

found, of all things, a Caltech

The Scoop

had a turnout of 43 men, rough-

ly one out of every four Frosh.

mages. They are, in order: Whit-

tier, Pomona, Oxy and Redlands,

the last three games to be played

**Outstanding Frosh** 

Most of the first-string posi-

tions are, as we go to press, still

undecided, but the outstanding

candidates for the various posi-

ends, CHARLES TALLMAN

(Continued on page 6)

To Big Year

large number of experienced

players. Even Mr. Muehlberger

Minor Sport

team. Because Caltech is not

Returnees

Steve Chong, Dick Bennett and

Dick Fairall, plus able coaching

cer League will play Sunday

out, but there still is need for

and students at large, experi-

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enced or inexperienced.

play on the team.

ly go places

practice games.

before the Varsity games.

## **Whittier Favored Over Beavers** After Pair of Decisive Wins

Whittier's red hot Poets meet the Beavers this Saturday night at the Rose Bowl. It will be the opening Conference game for both teams after two weeks of outside competition.

Poets Favored

The Poets are rated the favorites in the coming contest on the basis of their two previous wins this season. After topping Santa ◆Barbara State 20-6, they overwhelmed San Francisco State

60-0 last week.

Al Gasperian, a transfer student who is fast as Mercury, and Three weeks ago one prospec- Joe Feary are the big threats on tive Frosh with a name quite offense. Fasparian was the fastsimilar to this column's propriedest man on the field against San tor stopped at a gas station on Francisco and much of the Poet the way here from Rochester, yardage can be credited to him. N.Y., and was browsing through Being a ground-gaining team, the various and sundry litera- Whittier has no outstanding ture carried by most such sta- passer.

New Stuff

Caltech is pretty proud of the way her sophomores are perfootball schedule. "My gosh," or forming on the football team. something similar, he said, "Cal- Now there will be a chance to tech, the greatest technical compare them with some other school, playing football. Well, I outstanding second year man. still don't know how Tech ath- Keep an eye on George Corey, letes do it, but more power to Mickey Lima, and Ed Wanderhaven, all sophs and all defense men. Herman Reed, senior, is Getting down to particulars, the backbone of their defense. Frosh football coach Preisler has Watch him too!

It won't be a one-sided game though, with Babe Karasawa which seems rather encouraging running and passing, John Lewis for future Varsity prospects. The pounding center. The Beavers Frosh schedule includes four passing attack should be good main games plus several scrim- for considerable yardage against Whittier's reputedly weak aerial

Defensive View

A line that is getting tougher with every game will make it hard for the Poet running attack to get started, while line-backers like Bain Dayman will nail ballcarriers that do slip through.

In the kicking department, we (Continued on page 6)

## Large Turnout For Water Polo

Water polo practice got under way Sept. 28 with one of the largest turnouts in recent years. More than 20 upperclassmen and Monday, Tech's soccer team Frosh have reported to daily sprang full grown from its shell workouts at the P.C.C. pool. Esof last year's team with more pecially encouraging is the numthan 30 men turning out. Vir- ber of Freshmen out, which will tually all last year's big guns enable the forming of a Freshare back, and the new crop of man team with a schedule of Frosh brought an unusually play.

The Calendar

A schedule is being worked out races through the Far West Ski of the Geology Department came which will probably include the ber of outside games. No games The team was formed with the will be played until about two co-operation of the Athletic De- weeks from today, allowing partment, which has extended plenty of time to get the team minor sport recognition to the working smoothly.

New coach this year is Bill in a soccer conference, both Palmer, star of last year's squad. Grads and Frosh are eligible to During the first week of practice he has had the men concentrating on fundamentals -The return of the experience passing, shooting, dribbling and skill of Barry Schuyler, with little scrimmage.

Regrets

Graduation took a heavy toll promises a team that should real- from last year's squad, leaving the team minus five of its best Games will be started the lat- men. Returning regulars from ter part of October. U.C.L.A., the '48 squad are Dick Libbey, Southern Cal, Pomona, Pepper- Al Eschner, Mike Hall, Stan Boidine and Claremont Men's Col- court, Ed Reinecke. Sophomores lege have promised games. In Bill Barmore and Richard Van addition, the Los Angeles Soc- Herzen will probably be used a great deal this season. Coach Palmer has not yet assigned po-There are a lot of good men sitions or named a starting lineup. This will depend upon more reserves: Grads, Frosh, how the men shape up as practice progresses. In any case there will be no lack of reserves.

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Pasadena Winter

(Continued from Page 1)

Awards

Last year Caltech students

took part in six regular debate

tournaments and also entered a

number of other speech activi-

ties. A number of these boys

second-year awards, and five

students meeting for the first

practice session were Ulrich Mer-

ten, president of Caltech speech

activities, Olly Gardner, Stan

Groner, Ralph Stone, Allan Beek,

Raymond Brow, Wayne Beebe,

Bill Dibble, Lawrence Dyer,

Doug Calley, John Rogers, Bob

Smith, Bob Kurland, Hubert

Goss, George Merkel and Jesse

are on the squad again this year.

**DEBATE TEAM** 

## **ALUMNI TALKS**

(Continued from Page 1

November 15-Discussion of Opportunities in Large and Small Industries.

Nov. 22-Should I Go to Graduate School?

Nov. 29 - Production and Manufacturing.

Dec. 6-The Placement Outlook and How to Get a Job. Jan. 17—Sales Engineering. Jan. 24 - Business Manage-

Jan. 31-Petroleum Industry. Feb. 7-Aircraft Industry. Feb. 14—Construction Field. Feb. 21-Teaching and Academic Research.

Feb. 28 - Non-technical Requirements for Success. March 7-Summer Jobs. First Talk

The first lecture, October 11, will explain the organization of succeeding lectures, and give a picture of the need for them, and the information contained in them.

The objectives of the lecture series are as follows:

1. — To assist undergraduate students in selecting an option in the study of science and engi-

2.—To show the student what type of training is most desirable for service in industry. (What industry expects from a man just out of college.)

3.-To provide information to the student in order that he can decide whether or not to take graduate work.

4.—To reveal the general character of work in the broad fields of science and engineering.

5.—To show where and to what extent different types of scientists and engineers are used and are not employed in a given in-

6.-To point out methods by

## FROSH SPORTS ROUNDUP

(Continued from Page 5) PHIL BATES and GEORGE STRANAHAN at guards, NEIL Frosh Prexy STEPHANIDES at center, PETE, Manuel J. Silva, a graduate of to be tailback FAZIO, equally term. able at passing, running and Other officers, appointed by the KUBICK are also outstanding.

Positions Open

ested in any Frosh who 1) bers of the board of control. weighs over 250 pounds, 2) can run the 100 in under 10s., or 3), seriously, IS IN ANY WAY IN-TERESTED IN FOOTBALL. Positions are still open and any comed. There is also a need for a couple of managers.

awhile. So long until next week | biographical sketch. and let's all turn to support the Frosh when they meet Whittier.

## **LUMBERJACKS CRUSH**

(Continued from Page 4) punt on the Tech 40 yard line and scampered down the left sideline behind good blocking to a six pointer. Karasawa toed the extra point. Caltech 13, Arizona State 43.

STATISTI	CS:
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Ariz. St.	Caltech
Yds. running 161	108
Passes attempted	14
Passes completed	3
Yards passing 198	68
Passes intercepted	4
Fumbles	5
Fumbles recovered 7	1
First downs 11	7

# Silva Chosen

WESSEL or DICK BIRD at San Diego Senior High School, quarterback, PAT FAZIO and will serve as president of the AL TEAGUE at halfbacks, and freshman class at Caltech pend-BOB KUBICK at full. Best all- ing election of permanent class around man on the squad seems officers at the end of the first

kicking. WESSEL has shown student body board of directors, much promise as a punter. Cen- are Tom J. Janssens, vice-presiter STEFANIDES and fullback dent; Lyle N. Hoag, Jr., secre-Jr., athletic manager; Gerald H. Coach Preisler is still inter- Ross, and Alan J. Teague, mem-

### **GOETHE CONTEST**

(Continued from Page 3)

Contestants must attach to the essay a sealed envelope contain- TECH HOSTS POETS new candidates will be welling the entrant's name, address and age, name of college or university attended, German course Well, we have to snake for in which enrolled, and a brief

Essays are to be sent to Dr. John T. Waterman, Department of German, University of Southern California, 3518 University Avenue, Los Angees 7, Califor-

## Gad!

"I'll be seeing you," said the wolf as he laid down four aces in a game of strip poker.

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## SKIERS ORGANIZE

(Continued from Page 5) skiing and the fun and companionship afterwards in the hut.

Pre-season activities now slated include an extensive remodeling and furnishing program for the cabin facilities and several organizational meetings.

Memberships in the Caltech Ski Club are being sold by rephouses and through the club ofinformation, contact president fullback Harold Woody. tary-treasurer; Patrick J. Fazio, Dick Jones in Room 40, Fleming. year are "Dutch" Vreugde, secretary; Pete Price, treasurer; Jim Blom, race manager, and co-managers of the hut, Olly Gardner and Norm Fink.

(Continued from Page 5)

find Hal Tyson returned after being out all last year with an ankle injury. He will find good competition in Bucky Harris, who has been averaging close to 50 yards on his punts.

## CAMPUS BARBER SHOP

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CLEANING

## SPEAKIN' SPORTS

(Continued from Page 5)

6-to-6 tie with LaVerne last Sat. cific at Stockton, April 3, 4, and Somehow I think I caught a 5. The national discussion topic, smile on Coach La Brucherie's "What Should Be the Foreign face a couple of times as Babe Policy of the United States To-Karasawa swept the right end for ward the Countries of the considerable gains and as John Orient??" will be carried through Lewis showed his last year's the entire season. form by cracking through center in the La Verne encounter. resentatives in the student Fleetfooted end Randolph Moore is a sophomore to watch, along ficers at \$3 each. For further with center Dave Hanna and

It's rumored that as soon as Other officers for the coming five interhouse baseball teams, Last year five students received one frosh football squad and numerous unorganized athletes were awarded certificates. Among clear with their eager little bodies from the north end of Tournament Park, the soccer team will start working out. Looks like Tech's newly revived sport is here to stay.

Leaving you with the hope that you won't let your education interfere with your athletic participation, I intend to be around next week to find out who' hoppen'.

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