CALIFORNIA TECH TAU BATES NAME LOYBERG

Volume XLVIII

California Institute of Technology Thursday, May 15, 1947

Curvaceous Coeds Compete For Conference Crown

Beavers Elect New Members

-Luncheon Meeting Next Monday

After tabulating the final ballots, the Beavers announce that new members of the campus honorary service organization are: Dick Alexander, Stan Barnes, Paul Fullerton, Len Herzog, Bill ties. Karzas, Warren Marshall, Tom Stix, Tom Tracy, Dave Warren and Frank Wolf.

ness to continue working for the to major in physics. betterment of Tech.

Luncheon Next Monday

The new members will be welcomed into the Beavers at a luncheon, next Monday, May 19, at 12:00 in the training room under Blacker. At that time there will also be a discusison concerning the time and place for an initiation ceremony.

Due to the crowded social schedule of the student houses for the remainder of the semester, the formal ceremony may not be held until next semester.

Throop, UCLA Hold Exchange This Week

"Heigh ho, heigh ho, it's off That's the theme song adopted over at Throop for tomorrow night as the off-campus men set off for their exchange dance with UCLA. The lucky women will be the members of the Phrateres Club, an off-campus organization. Festivities will start at 7:30 sharp, and will probably continue until elub sponsors lower the boom-

Pertinent Poop

Information on transportation, locations, etc., is available to members in the lounge. Bob Benton (married) club president, wistfully said that it is certainly going to be a good deal T To Be Green To Stop

members and their dates attended the semi-formal dance held at Dabney Hall last Saturday.

Campus Calendar

Thursday, May 15— Upper Class Luncheon at the Training Table, 12:00.

Upper Class Lunciaes.
Table, 12:00.
Throop Glub Meeting ,12:00.
Dancing Class in Culbertson Hall, 7:30 Friday, May 16—
Faculty Assembly, 11:00 a.m.
Fleming Exchange with Huntington Hospital.

Throop Club Exchange with UCLA.
Blacker Exchange with ATA Sorority,
UCLA.

Saturday, May 17— Golf match. Caltech at UCLA, 9:00 Swimming Conference meet at Oxy, 1:30 Baseball Game. Whittier at Caltech, 2:15

p.m.
Tennis match. Caltech at Pomona.
Scripps Tea Dance.
Dabney-Fleming Barn Dance at Moun-

tain Oaks. Blacker Ricketts Barn, Dance, Monterey

Sunday, May 18— Varsity Club Beach Party. Monday, May 19— Band Rehearsal in Culbertson Hall,

Band Rehearsal in Culbertson Hall,
7:30 p.m.
Glee Club Practice in Dabney Lounge,
8:30 p.m.
Tuesday, May 20—
Meeting of Christian Science Organization, 206 Dabney, 7:30 p.m.
Wednesday, May 21—
Frosh Luncheon Club at the Training
Table, 12:00.
SAE meeting in 206 ME, 4:00 p.m. Subject: Turbo-jets.
Orchestra Rehearsal in Culbertson Hall,
7:30 p.m.

7:30 p.m.

Thursday, May 22—
Upper Class Luncheon Club at the Training Table, 12:00.
Throop Club meeting, 12:00.
Dancing Class in Culbertson Hall, 7:30.

Lovberg Selected Freshman Of Year

Frosh Class President Chosen by Tau Beta Pi

Ralph Lovberg has been named the recipient of the award to be presented by Tau Beta Pi to an outstanding member of the freshman class, chosen on the basis of scholarship and campus activi-

Ralph, who hails from Missoula, Montana, is a man well known ogy, broke ground on the Mostudent body and their willing is in the Glee Club. He intends yesterday.

presented at the Awards Assem-

CAPS AND GOWNS

Seniors are reminded that Monday is the last day for cap and gown measurements.

Senior Ditch Day Wednesday, May 21

"Seniors! Wake up! All 150 of you. YOUR day, Senior Ditch Day, will be Wednesday, May 21. Instead of classes, there will be a gigantic beach party at Huntington Beach, just west of the pier. Food and drink will be provided from the class funds."

Having made the foregoing announcement. Mueller turned and was about to leave when an yes, as in the past, it will be considered a very poor idea for any senior to show up on the campus after 9:00 a.m.

IMPORTANT C.E.S. MEETING TODAY

Hear Dr. Sorensen and Dean Thomas speak on "The State Engineering Act," 4 p.m., 155 Arms. Everyone welcome.

More than fifty, Tau Beta Pi Erosion; Planting Next Fall

By Frank Wolf, ASCIT V-P

There seems to be some confusion and misinformation about cient demand. the failure of the annual Frosh cleaning expedition. class and its officers should served and the minimum con be congratulated rather than tract time will be one month. frowned upon because of their help and cooperation in cancelling their scheduled trip this term.

originally issued a permit to the ent graduate students will not be Caltech student body, granting us the right to clear shrubbery and weeds so that we may be reparts. This year, however, the Forestry officials expressed a detain at the present time.

Unwilling to abandon the one. whole project as a total loss, It is for these reasons that just the right amount of South plans are being formulated at copies of this annual will be in American and waltz tempos. the present for a combined the bookstore starting today un- Dress will be semi-formal, i.e., offer young trees from their own pick up their copy, others may

(Continued on Page 6)

Techprofs Judge Beauties Tomorrow At 11

It Was All

Caltech Geologist's First Baby" Proves 'Quake Villain

An active fault, discovered in 1913 by Dr. J. P. Buwalda, Chairman of the California Institute of Technology division of geolon the campus. He is president jave Desert when the whole of The selection of these students of the freshman class and secre- Southern California was shaken was based on their high charactery of Blacker House, works on by the earthquake of April 10, ter and record of service to the the Big T as photographer, and Caltech seismologists revealed

> The break, the edges of which The Tau Beta Pi award will be moved about three inches, has been traced for a total length of three miles along the face of River and westward over the and the motion of underlying rocks may have been much greater.

> > described in his first published Oration, "The Silken Thread." paper while a graduate student at the University of California, is about 30 miles east of Bar-

Damage was slight in the 'quake, except near the epicen-(Continued on Page 6)

Student Houses Provide Summer Accommodations

The school administration has agreed that, due to the still acute shortage of housing in this vicinafterthought struck him. "Oh, ity it is desirable that one of the student houses should remain open this summer for student occupancy. One house will remain open for the period June 15 to September 1st provided that at least 50 students signify their willingness to live in the house for the greater part of that time. If you are interested please tell your house president who will keep a list, or, if living off campus, leave a note in the athletic office with your name and the time that you are interested in is Wednesday, May 21st, in ormay be made if there is suffi-

The houses will have maid service, there will be no meals Students eligible to stay in the house are undergraduates and graduating seniors of this June returning to the Institute for the The U.S. Forest Service had fall term. Applications from pres-

pus at the moment have exmake any changes on the moun-because of delayed delivery by

purchase them for \$2

King, Queen And Court To Reign Buwalda's Fault At ASCIT Semi-Formal May 31st

For the first time in the history of Caltech, genuine females (guaranteed to show up, fellas) are competing in a genuine beauty

Contest right on the campus.

Nine beautiful Southern California College women will compete for the honor of being Queen at the giant ASCIT Dance on May 31 at the Altadena Country Club.

The contest will take place at 11:00 a.m. tomorrow at the assembly in Culbortson Hall

♦bly in Culbertson Hall.

Orators To Speak At Muir Tuesdau

Wit Prevails in Events Held at San Diego State

John Heath, John Holmgren and Irving Sulmeyer will represent Caltech in the John Muir steep buffs along the Mojave Junior College speaking contests to be held on Tuesday, May 20. desert. This is in loose material Heath will present his oration, "Song of the South", and Holmgren will offer his speech, "Is the College a Bush League?" Sul-The fault, which Dr. Buwalda meyer will give his Conger Prize

Address Lions Club

Dr. John Schutz, debate coach, and John Heath will address the Altadena Lions' Club on Thursday, May 29. Dr. Schutz will speak on "The Pioneering Spirit" and Heath will present "Song (Continued on Page 6)

Teaching, Steel Job For Seniors

Two new employment opportunities have been announced by the Placement Bureau.

grees in June, and who are interested in teaching positions, On Turbojets; Has File may obtain information on sevcral positions to be available in Of Papers And Reports September by calling at the Placement Office.

The Columbia Steel Company, Western subsidiary of the United States Steel Corporation, is developing a program of college recruitment to select students for employment in San Francisstaying. The absolute deadline co. The Placement Office has reployment with Columbia Steel pus is invited. should secure a pamphlet

Last Athenaeum Dance Of Year Coming May 17

The last Athenaeum Dance of Saturday, May 17, from 9 to 1 bers of the dance committee give the assurance that this one will membered in the surrounding Old Annuals Here be even better than the Valen-A few of the students on cam- tine Dance which was so successful. The theme of the dance sire to withdraw the permit en-pressed a desire to purchase a bears the simple title "Spring" tirely on the grounds that any copy of last year's annual. There and will feature Hal Lomen's clearing causes excessive ero are also a few students on cam- Orchestra. This group has been sion. It is because of this that pus who were entitled to get one heard at several Tech functions the Frosh were asked not to at the time of publication, but recently including the last Athenacum Dance and the Alumni the printer they never received Dance. Hal Lomen plays music

A benaeum Office, SY. 3-6146.

From each of the Oxy, Redlands and Whittier campuses, three girls were elected by their respective student bodies to compete here tomorrow. Contest iudges will be Dr. Lee A. Du-Bridge, Dr. Henry V. Neher of the Physics Department, Dr. Chester Stock of the Geology Department, Dr. Ernest H. Swift of the Chemistry Department and Dr. Schilling.

King to Be Chosen

Before the running of the beauty contest, the nine girls will choose, from a group of nine Caltech men, the king who will reign with the Queen at the ASCIT dance. The nine men are: Bill Woodson and Sage Burrows from Dabney; Tom Stix and Vince Hononld from Fleming; Warren Marshall from Blacker; Paul Howard, Jim Thorpe, and Bob Levy from Ricketts; and Ed Revay from Throop Club:

ASCIT Provides Transportation

The official crowning ceremony will take place at the dance on May 31. The ASCIT will provide

(Continued on Page 2)

Men who expect to receive de SAE Presents Crater

At its last public meeting of the year, the SAE will present a talk on turbo-jet engines by Mr. Wilbur Crater, a Tech alumnus now with Consolidated Vul-

Mr. Crater gained his present knowledge of turbo-jets while in ceived several copies of a com-the employ of General Electric. der that definite arrangements pany publication, "Paths of Op- The talk will be given at 4:00 portunity in U.S. Steel." Any P.M. next Wednesday, May 21, man interested in seeking em in 206 ME. Everyone on cam-

Cutaway Model

In addition to the use of charts and slides, the speaker will have available a full-scale cutaway model of the engine he is discussing. However, due to the size and weight of the modthe school year will be held on el, it will have to be placed on display on the receiving plato'clock, at the Athenaeum. Mem. form at the east end of the ME Building from the 20th to the 22nd of May. In this way, anyone can inspect it both before and after the talk, and Mr. Crater will probably end his talk by answering questions on the mod-

Engineering Papers Available

The SAE has a complete file of the papers presented at all the national meetings for the past three years. Also on file are in the Freddie Martin style plus many NACA wartime reports, which until recently have been classified material. These should prove useful to students of Frosh-Soph expedition in the fall til the end of the term. Those tuxes or dark suits for gentle ME50, graduate students doing term, around December 1. The who were entitled to get one men, evening dresses for ladies, research, and anyone interested Forest Department is willing to may go to the books ore and Reservations are \$2.50 per coul in access to these papers should and may be made at the see Mr. Peter Kyropolous in 103ME.

were pleasantly surprised by a

telegram from the MGM studios

inviting them, with their friends,

to the press preview of "Cyn-

thia," starring starlet Elizabeth

The California Tech

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The Front Burner

-Lewis L. Grimm

"A Yankee Fable," Guy Andros' confessed story of a much hushed up "scandal" buried deep in his (Quince) family closet,

in his (Quince) family closet, completes its Pasadena Playhouse run May 18.

Getting off to a rather slow start, Andros' play builds to an effective, surprising pre-intermission climax, and a well-conceived courtroom scene that is the high point of the evening.

Cast Excellent

Portrayals throughout the play

imited time do to help acheive world peace?

—Write your Congressman asking for immediate and complete disarmament.

2.—Oppose universal military training.
3.—Work to end American imperialism.
4.—Refuse to work under Army or Navy contracts or on military research or on the production of tools of war.
5.—Urge our government to spend the \$11,000,000,000 military budget for food of the world regardless of nationality, race, or political sympathies.
6.—Decide never to take up arms against your fellow man or in any other way to support future wars.

DAVID E. METZLER.

Portrayals throughout the play are excellent, and most of the loss of pace and effectiveness in the play is traceable to the author himself, however, such instances detract but little from the enjoyability of the whole. Andros has taken all the "Stock" characters and, mostly, played them for all they're worth.

Next Wednesday the world premiere of "Oh Susana," music comedy based (again!) on the life and music of Stephen Foster, will hold the Playhouse spotlight. With a sterling cast and 40-voice chorus, the production seems worth looking forward to.

-LEN.

Camera Corner . . .

MGM'S "Cynthia" as reviewed at a special Press Preview at the Motion Picture Academy The-

"Cynthia," Metro - Goldwyn Mayer's about-to-be-released picture, will provide you with an enjoyable evening of light humor. 'Cynthia" and her high school adventures are definitely above the Andy Hardy and Henry Aldrich type of plot in that they

it comes so soon after "Margie" (which had the added advantage of Technicolor,) of which the plot is sometimes reminiscent.

Cynthia's in Love

beautiful young lady who has a is tailor made for him, and makes pretty face, a good figure, a pleas- you look forward to the next ant personality and the usual scene in which he will appear. high school crush. The object of When asked for his opinion of her affection is James Lydon, the picture he said: "I liked it, it who doesn't look too much like was a nice quiet show." And that Henry Aldrich (his hair is is a good summation of the piccombed differently.)

George Murphy and Mary As-

THE SQUARES'CIRCLE

REPLY TO MAYS

The spirit at Caltech has been noticeably lower in the postwar era, but the letter to the editor from John Mays in last week's Tech hits a new low.

At first I thought that this letter was a Chemist's attempt at sarcastic humor, but on reading the letter through one cannot find any humor whatsoever.

Mr. Mays seems to think that all that is required of a student at Caltech is attendance of classes, if the instructors insist, and the making of good grades by any means available. Unfortunately there have been a few students of Mr. Mays' caliber before at Caltech, but they've been the one whom everyone wonders where they came from when they receive their degrees.

the one whom everyone wonders where they came from when they receive their degrees.

The Honor System is something that Caltech has, and which is run very successfully. There is cheating, under the Honor System, yes, because there are always those who don't care how they get their grades, but cheating under the Honor System at Caltech is very small indeed compared to most colleges. Pomona College gave up the honor system at the request of the students because of the excessive cheating in the classroom. I hope that this never happens here. It is up to the students, but I doubt if one will ever see Caltech students going to the elaborate methods demonstrated in LIFE magazine in one of their recent issues, to cheat on an exam.

No Joking Matter

Cheating is not a joking matter, and I imagine Mr. Mays will find this out when his letter is investigated by the board of control, for the board must investigate Mr. Mays after he has written a letter of this type, for he has committed a crime against his class and his school.

I don't know on "what authority the Court of Tradition sits, but I do know that the Board of Control will have plenty of authority to satisfy Mr. Mays curiosity.—LEW GRIMM, ETC.

SCRAP OUR GUNS?
Dear Sir,
Our government is obviously leading us directly towards another war which will be more disastrous and more fruitless than the last. From the scientist who has provided the weapons of war is expected to come the leadership towards peace.
What can Caltech students with their limited time do to help acheive world peace?

AMATEUR TELESCOPE MAKERS' CLUB ON CAMPUS?
"I do not know whether there was ever an attempt to organize such a club at Caltech, but it might be possible," writes Dr. Dinsmore Alter, Director of the Griffith Observatory, in reply to a recent inquiry.

fith Observatory, in reply to a recent inquiry.

It is almost incredible that the students have not yet organized an amateur astronomers' club to take the unique advantage of guidance and inspiration from the best Astrophysics Department, and of experienced amateur telescope makers around campus This would yield in a great benefit in recreation and training Even without mentioning the fact that many original astronomical discoveries have been made by such amateur "stargazers," one may be sure that this is one of the most thrilling and creative hobbies that combines the feel of an artist with the understanding of a scientist To mention, incidentally, the 200-inch mirror at our optical shop is going to be the greatest masterpiece of sculpture of the world, worked out by a team of big scientists and engineers.

est masterpiece of sculpture of the world-worked out by a team of big scientists and engineers.

There are many institutes and Universities in this country which have students' hobby-clubs, and some of them devote the stand mirror grinding to make their own telescopes.

Dr. Albert G. Ingalls, editor of Telescoptics section of the Scientific American (and who always writes very interesting letters,) informs me recently about the present membership of amateur astronomers' clubs in this country.

"Total membtrship may be of the order 1,000-2,000. Memberships wax and wane. In general you can say there are in the U.S., at all times, maybe 40 or 50 local clubs of astronomers which usually include from 5 to 50 or 75 per cent amateur telescope makers. These rise and fall. A few clever women have made mirrors, a majority with the help of some mere men, but I am not cynical about women."

Dr. Alter said, "A federation of astronomers and telescope makers."

women."
Dr. Alter said, "A federation of astron-

Cynthia's parents do ex It is, however, unforunate that cellent jobs, though Murphy labors with a part that doesn't seem natural for him.

Sakall Shines

S. Z. Sakall as Professor Rosenkrantz, the music Prof, does Cynthia blossoms forth as a an excellent job, in a part that ture.

-LEW.

A. J. MADSEN

Lake and San Pasqual

SYcomore 2-9725

Lubrication—Wash and Polish—Tires—Tubes

Batteries

Your Campus

ics.

—by John Whittlesey

RED BREAD MOLD

The Biology Division, headed by Dr. G. W. Beadle, includes the main Kerckhoff Laboratories and in addition four off-campus projects. It consists in eight major departments. One of these is genetics, and under this in turn are the subdivisions: fruit fly genetics, corn genetics, serological genetics, and bread mold genet-

The present research on red bread mold (otherwise called Neurospora) began at Tech last July 1st when Dr. Beadle and a group including Dr. Horowitz, Dr. Mitchell, Mrs. Houlahan, Dr. Harris, and Dr. Srb came here from Stanford. The project was started in 1941 by Dr. Beadle and collaborators when it was decided to switch to mold as their vehicle for research in chemical genetics. Dr. Beadle had first become familiar with the red mold MENDELSSOHN: A Midsummer 10 years earlier while working at Tech. It had been brought here from Columbia in 1929 by the SIBELIUS: Violin Concerto No. man responsible for Tech's early fame in the genetics of fruit flies: Dr. Morgan. Today there are approximately a dozen scientists engaged in Tech's phase of the program.

Animal-Like Plant®

While bread mold is a plant, it has many similarities to animals. Its protoplasm is similar, and it produces and needs for existence nearly all of the vita- KING, QUEEN AND COURTmins and amino acids which we require in our bodies. It is ideal for genetic experiments because

(Continued on Page 3)

omical clubs over the United States is in process of formation at present."

Nothing combines such fun, thrill and skill as in grinding a telescope mirror and to peep through one's own hand made telescope. California sky is ideal, that has made the home of two largest astronomical observatories of the world.

Summer vacation is ahead and would be the ideal time to start organizing such a scientific hobby club, if sufficient enthusiasts from the student body can get together.

—K. Ray, Old Dorm.

gether. —K. Ray, Old Dorm.

JUKE POLL?

Dear Editor,

We respectfully suggest that you conduct a poll of coffee shop patrons, to determine whether the majority favors or opposes the presence of the juke box. If the vote is close, perhaps a compromise could be arranged, say, juke box on only from 10 a.m. to 3:30 p.m.

Yours sincerely,

1. G. Wendel

J. G. Wendel
R. F. Benton
How about letting the Greasy conduct
ch a poll if there is sufficient agitasuch a polition.—**Ed.**)

Musical Baedeker

Noon Musicale Concerts

The Caltech Musicale now presents concerts of fine classical music every noon except Saturday and Sunday, in addition to the regularly scheduled Sunday evening concerts. These concerts are designed for the pleasure and relaxation of off-campus students and Caltech employees lounging in the garden behind Dabney Hall during the noon hour, but, of course, are open to all students interested. Programs will be posted in the future on all prominent bulletin boards.

The following selections will be presented next week: Monday, May 19

MENDELSSOHN: Fingal's Cave Overture.

MENDELSSOHN: Symphony No.

Night's Dream.

Tuesday, May 20

SIBELIUS: The Swan of Tuonela.

Wednesday, May 21 CHOPIN: Piano Concerto No. 1.

CHOPIN: Waltzes. Thursday, May 22

BRAHMS: Requiem Mass.

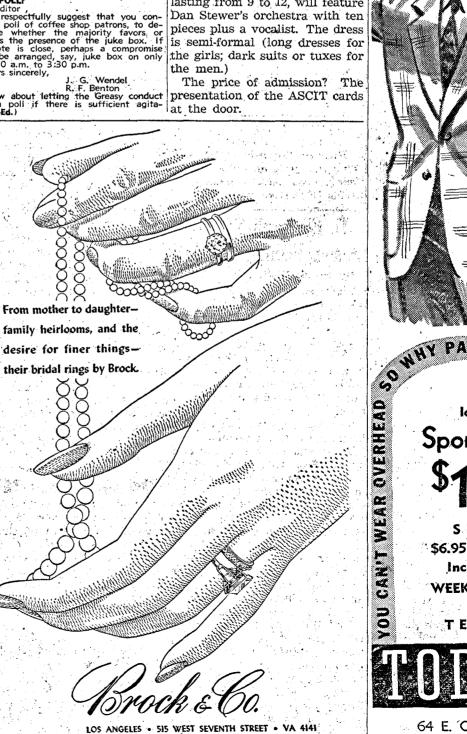
Just Jazz? The two weeks' old Pasadena

(Continued from Page 1) flowers for the queen and transportation (with chauffeur) for the Royal Couple to and from the dance.

The remaining eight men will choose, from the girls, their dates for the dance. At noon tomorrow, the couples will have lunch in the student houses.

Stewer Playing at Dance

The ASCIT dance of May 31, lasting from 9 to 12, will feature the men.)



BEVERLY HILLS . 9520 WILSHIRE BOULEVARD . CR 6-1106

64 E. Colorado Cor. Raymond

Private Preview Tickles Techmen Members of the Press Club

Taylor. Among the fortunate attendees were Edinch Len Herzog and his date, Collette De Salliers, Jack Green and Joan Kier, Bob Heppe with Caroline Block. Ret Moore and the Mrs., Lew Grimm with Baude Moore, Harry Brough, and friend, Bob Crichton, George Roe, Bob Davis, Jim Thorpe and J. Phillip Space were

Invitations and admission cards were sent special delivery by the studio, who will no doubt receive a good review for their picture elsewhere in this paper.

dateless but saw the movie.

jazz concert, though actually an outstanding musical event, nevertheless leaves a bad taste in the mouth because of its association with brass commercialism. Gene Norman, who plugs Eastside beer on his radio show, bored the audience with constant references to the "golden mellowness of tasty Eastside brew," a reference that is certainly disputable. At one point he actually had Benny Carter chug-a-lugging a bottle of beer, while Charlie Barnet rolled (Continued on Page 5)



MHY PAY FOR latest style Sport Coats

> SLACKS \$9.95 up \$6.95 Including Gabs

WEEKLY FEATURES for

TECHMEN

Vet's Affairs

By R. Heppe

The period in which National Service Life Insurance may be reinstated has been extended till August first, it was announced by Mr. R. W. Haines, temporary Caltech vet's advisor. If you are still in as good health as you were when discharged, reinstatement involves only the payment of two months' premiums. This opportunity is an unusual bargain and should be treated as such, since NSI is ethe cheapest insurance obtainable anywhere.

Readjustment Allowances

G.I. Readjustment allowances are not intended as summer vacation pay, James G. Bryant, Chairman of the California Employment Stabilization Commission, advised Caltech student veterans today.

A veteran is not eligible for readjustment allowances for unemployment if he is receiving subsistence allowances for education or training under the act, or is not willing to accept a suitable job during each period for which he claims a readjustment allowance.

The law provides cancellation of further rights to readjustment allowances if a veteran knowingly accepts an allowance to which he is not entitled.

YOUR CAMPUS-

(Continued from Page 2) of its short life cycle, its relatively simple form of sexual reproduction in which an individual carries only one set of chromosome, and the fact that from one cell can be grown an unlimited amount of a single individual.

X-Ray Bombardment

The experiments begin by bombarding the mold spores with X-rays to produce mutations. Then starts the work of determining the function of the genes in controlling the chemical reactions in the organism. One of the spores is picked out by microscope and allowed to grow. If it contains a mutant gene, it may be unable to synthesize some essential substance and have to be fed artificially to survive. Thus the spore is first placed in a medium supplemented by all the known vitamins and amino acids, and then a portion is transferred to a second test-tube containing only the substances needed by a normal specimen. Through a process of gradual elimination the specific chemical reaction which the mutant gene controls can be found. One out of 100 spores may prove mu-From these are grown tens of thousands of cultures each week in our laboratories.

Thus, although relatively new, the field of Chemical Genetics is learning much about the precise manner in which genes func-



BOBBY

Guest Star Stuart Foster

Every Sunday—Beat the Clock-Admission 50c, Inc. Tax, Before 9:15

CAMPUS BARBER SHOP In Cafeteria Bldg. (Old Dorm)

> Laundry-Dry Cleaning Agency-5-Day Service

Associated Oil Sta. Lake & San Pasqual Not a classy layout, but

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CALIFORNIA

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Bevonine Plucks Chix; Submariners Drown Bulldogs

Rally In Ninth; Hits And Steals Bring Men Home

Whittier Game to Be Here Saturday; Don't Miss It

The Beavers grabbed themselves another league ball game last Saturday, but only the the never-say-die fans were there to see the outcome. After trailing, 2-1, going into the ninth inning, the Techmen pushed across two runs to edge the visiting Pomona Sagehens, 3-2.

Hedrick Goes the Route

Lang Hedrick pitched five-hit ball for the locals, and struck out nine of the Hen batters. In the meantime, the Beavers collected only four safeties, but they came at the vital spots. Pomona scored an earned run in both the second and seventh innings.

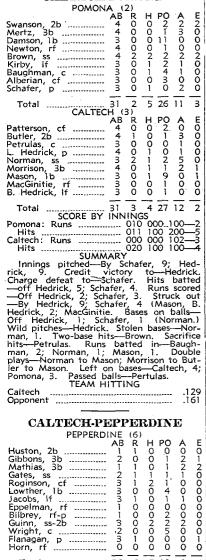
Tech From Behind

second, and came home on Johnny Mason's clutch hit. Things then remained quiet until the ninth, when the Beavers came up for a last stand. Butler went to second on an error, and Petrulas sacrificed him to third. Lang Hedrick came up, and produced several interesting situations before going out on a fly. Then, with two away, the Sagehens booted two in the infield feating an overconfident Poto score Butler and Norman.

Whittier Here Saturday

host to the league-leading Whittier Poets. Game time is 2:15 at Tournament Park.

CALTECH-POMONA



27 South El Molino

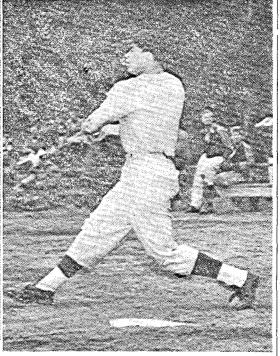
SPRING SPORTS ARE HERE

SEE US FOR BASEBALL, TRACK, TENNIS

and GOLF SUPPLIES

Chamberlain's Athletic Co.





Co-Captains-Butler bunts-"The Arm" Hedrick conects.

Tech scored one in the seventh when Norman walked, stole second, and same home on John Record Breaking Golf Match 9½-8½

Captain Harrington Low Man With 72; I Over Par

Last Friday afternoon the Beaver golfers narrowly missed decourse, the wooded Rancho Don Broken." Saturday, the Beavers will play Lugo layout. Captain Harrington was low man for both schools. as he shot a one-over-par 72.

Scoring System

following manner: each individual match is played on a hole-byhole basis. The player scoring
the most number of wins for the
first nine holes receives one
point. The same thing is true for
the second nine. Then the playal match is played on a hole-bythe second nine. Then the player scoring the most number of wins for the entire 18 also receives one point. In case of tie, the points are divided equally. The final score is the sum of all the individual matches.

In the first foursome, consisting of Harrington and Revay and their respective opponents, Tech gathered two and one-half points as Harrington took the first nine

Fresno Relays To Be Held May 17 P.M.

Ken Shaver Entered Mile Relay With L. A. Club

The Fresno State College West Coast Relays will be held at Ratcliffe Stadium on May 17. This is the meet which has come to be recognized as the place

No Team From Tech

This year there will not be a team from Tech. In '45, we won match, three of the Beavers ond in the 220, Murphy and the relays with the highest point looked mighty sharp as they Mitchell placed in the 50. The matches are scored in the total ever run up by any school!

But-Shauer

is entering the Mile Relays with the L.A. Athletic Club, and perhaps the 880 relay. His running Easy-going Ed Alexander lashed mates in the mile relay will be Bill Parker of Oxy, Cliff Bourland, ex-USC, Johnny Wachtler, 6-0. To top it off, Larry "Peeex-USC, and perhaps Roy Coch-

World's Record?

Last year Roy ran an unofficial 45.8 relay lap, and if he runs this year, the relay team has a their lone sets! good chance to break the world

and the match and Revay was tied at the turn.

Pomona Builds Lead

Douglas and Moore of Tech, the Pomona golfers got off to a fly-Charlie V. ing start, and both Tech men were down several holes at the 2 points, Pomona 4.

Margin Narrowed

In the third foursome both Benton and Burrows were leading at the turn. Burrows went on to take the second nine and the match, while Benton was edged out on the back nine.

INDIVIDUAL MATCHES
Harrington (T) def. Lyons, 3 and 2; Richards-Graybill (R) def. Holmgren-Ivey def. Revay (T), 3 and 1; Wilson def. Palmer (T,) 6-3; Copeland-Gor-Moore (T), 1 up; Parker def. Douglas don (R) def. Vadhanapanich-Nobles (T), (T), 3 and 2; Burrows (T) def. Townsend, 7-5, 6-4; Leonard-Wagnon (R) def. Alex-4 and 2; Ortleib def. Benton (T), 2 and 1. ander-Hamilton (T,) 6-0, 6-3.

Netters Drop 7-2 Redlands Match

Lineup Changed; Pomona Game Here Saturday

By Burt Housman

The Redlands netmen left little doubt Saturday as to why they're leading the local circuit. They trounced the Tech squad mona squad on their home "Where World's Records Are on the Bulldog courts with a decisive 7-2 count.

Three Engineers Shine

Though the squad lost the played. Rompin' Ray Palmer, playing the No. 2 slot, dropped Although Tech does not have a hard-fought match as he forced a team, it still has Shauer. He Graybill to three bitterly contested sets before the Bulldog finally took credit for the win. out from niche No. 4 and came upon the tall end of 6-3, 2-6, and wee" Nobles, playing the No. 6 day with a 6-4, 6-0 win. Pats on the backs to these winners for

Citations of the Week

Orchids to Jarrin' John Holmgren for fine court play, and for ond. taking a 6-3 set from Richards, cog No. 1 in the Redlands ma-In foursome No. 2, featuring | chine, and one of the finer play-

Change in Line-up

So well did Palmer, Alexander end of the first nine. However, and Nobles play that Coach both Douglas and Moore shot Johnny Lamb is moving them fine golf to take the second nine. each up one place in the line-up From this group, Tech received against the Sagehens this Saturday. Thus they will be playing Nos. 1, 3 and 5 respectively.

SINGLES

SINGLES

Richards (R) def. Holmgren (T,) 3-6, 6-3, 6-2; Graybill (R) def. Palmer (T,) 7-5, 3-6, 6-4; Copeland (R) def. Vadhanapanich (T,) 7-5, 6-1; Alexander (T) def. Leonard (R,) 6-3, 2-6, 6-0; Gordon (R) def. Suhrer (T,) 6-0, 6-1; Nobles (T) def. Wagnon (R,) 6-4, 6-0.

Open Till 9 P.M.

Close Oxy Meet Lost 42-33; Beat Redlands 44½-30½

Jay Montgomery Breaks Frosh Swim Record Twice

By "Bermuda Bob" Crichton

The swimming team last week turned in a very fine performance against Oxy, the defending champions, and they won a sensational victory over Redlands, avenging the Bulldogs' earlier 43-32 victory.

Three Records Fall

A well-rounded Tech team walked away with the Medley Redaly, and then it ran into difficulties. Scole, an Oxy man from 1941, took the 220 and Crosly (0) set new Conference records in the 50 and 100 Free Style. Jay Montgomery, paced by Bob Merrick, who swims for exercise, set a new Caltech Frosh Record.

Good Show

"Butterfly Bill" Palmer won the 200 breast in very good time, while Stan Boicourt (Crud Alley) took a much-needed third. In the 440, Houser and Curray placed, but Oxy won the alwayscrucial 400 Free-Style Relay. Dixon, Harris, Mitchell, Hall and McKenna placed in their events.

Redlands Crushed

The Redlands meet was an entirely different story. The Tech team just squeaked through to win the Redley Relay by a few inches, but then the boys warmed to their task. Dixon took a sec-

Divers Better 100 Per Cent

McKenna and Scull outdived themselves and took first and second by a huge margin. Mc-Kenna looks 100 per cent better than last Tuesday, and he should do well in the Conference Meet.

Jay Montgomery lost his part of the Medley to Renolds by 18 inches, and after sitting on the position, chalked up the only bench for about 10 minutes said, otehr positive marking of the "You know, I think that I can beat this guy." A minute later he got up and swam a sensational race, winning it by about a foot and breaking his own Frosh Record by a 10th of a sec-

Palmer Terrific

Redlands was supposed to have two terrific backstrokers, ers in the league. Onions to but "Butterfly Bill" got in and showed them how to swim. He came out of his last turn butterflying in a steady, uncanny rhythm, and finished six body Bulldog.

Photo-Finish Tie

Curray and Reed swam the 440, finishing in a tie that was impossible to argue about. Curray was a little behind the first seven laps, but then he caught up and they swam even, in stroke, for the rest of the race.

Bob Merrick's Gamble

Bob Merrick knew that he could have cinched the meet by putting Houser, Murphy, Mitchell or Dixon in the 440, any of them, but he kept them back for the 400 free-style relay. If we lost it, we tied the meet. Dixon proved to be the Tech anchor man, and he piled up a 10-foot

(Continued on Page 5)

Weekend Sports

SATURDAY—
Golf: 9:00 A.M. UCLA at UCLA.
Swimming: 1:30 P.M. Conference
Meet at Oxy.
Tennis: 1:30 P.M. Pomona at Pomona.
Baseball: 2:15 P.M. Whittier at
Tournament Park.

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Talkin' It Over

With Stan and Paul

Those Hilarious Hybrids that Hustlin' Hal squeezes into uniforms every afternoon across the road showed one of the best ninth inning rallies that we've seen in a long time when Tech met Pomona for the local grass. Any Face couldn't have created a more tense situation than the boys got themselves when, with one out in the last of the ninth. the score at 2-1 for the Feathered Birds, "Stupid Stu" Butler came through with a bingle, thus putting him on first; he stole second and was then sacrified to third. It was at this corner where a small scene took place between the umpire and the hot headed third baseman that "The Mouth" Moody had put in a nasty humor. The man in the blue suit had his palms down so Stu stayed.

"Esqui" and "Big Mo"

Chuck "The Arm" Norman, the Esquire All-American flash, came through with a timely tap to send Butts across the plate with the tying counter. "Esqui" then stole second. As Big "Mo" (Morrison) hit to short, Chuck was running for third and a muff by a Sagehen sent the other birds home a little droopy around the feathers as Norman patted the plate for the third run.

Whole Team Terrific

However, it was not only this timely bit of hitting and the masterful strategy that pulverized Pomona, but all of the diamond demons played heads up ball for nine frames to bring home a winner.

Splash Splash Splash

To the casual observer, Bob Merrick might appear to be just 50-14 In Disco Hoop Tilt another bald-headed veteran out for a bit of paddling in the P.J.C. plunge on these rare warm afternoons. To the members of the remaining hairs wafting back P.J.C. floor. over his head in the breeze and his torrid ticker (stop watch, that is) in his brawny paw, he is the sity lettermen, Dabney was outforce and brains behind these classed the entire game. Fleming many victories. Tech teams are started Don Furth and Jim Holmany times accused of lacking ditch at forwards, Kirk Lewis at one of the games. that bit of extra drive necessary center, and Bill Cox and Bob to take the close ones. Never so Stokeley at the guard posts; held with Merrick's mermen. In every in reserve were center Paul Saltmeet this season the squad has man, Art Viewig and Bernie shown steady and consistent im-Shore. Shore and Viewig, alprovement; and the swim fin though not on the Tech squad, kids, loaded with dextrose, are netted 8 and 3 poitns, respectivegoing to show a few surprises ly, for the Fleming cause. High this Saturday in the Conference point honors went to Jim Hol-Meet at Oxy.

CLOSE OXY MEET-

(Continued from Page 4)

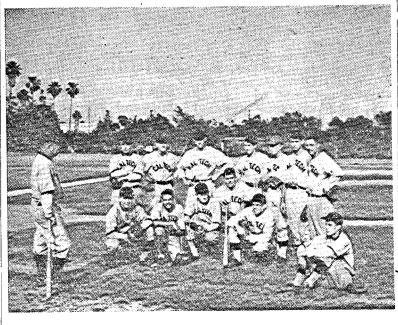
chor man, and Brad came an especially fine performance. through in a burst of speed, winning by a stroke.

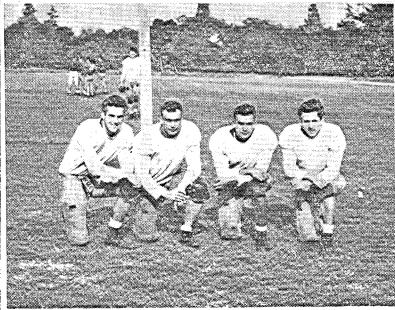
ning by a stroke.

CALTECH vs. OXY

Medley Relay—Tech: Harris, Palmer, Curray. Time, 3:27.8.
220 Free Style—Scole (O), Houser (T), Dixon (T). Time, 2:25.3.
50 Free Style—Crosley (O), Murphy (T), Mitchell (T). Time, 24.1. New Conference Record.
Diving—Olsen (O), Thompson (O), Mc-Kenna (T).
100 Free Style—Crosly (O), Bittleson (O), Murphy (T). Time, 55.2. New Conference Record.
150 Backstroke—Montgomery (T), Hall (T), Peterson (O). Time, 1:54.8. New CIT Frosh Record.
200 Breaststroke—Palmer (T), Dwelle (O). Boicourt (T). Time, 2::47.4.
440 Free Style—Scoles (O), Houser (T), Curray (T). Time, 5:31.0.
440 Relay—Won by Oxy. Time, 3:58.0.
Score: Oxy, 42; Tech, 33.
CALTECH vs. REDLANDS
Medley Relay—Won by Tech: Montgomery, Palmer, Curray. Time, 3:23.5.
Palmer, Curray. Time, 3:23.5.
Palmer 1:10.5 unofficial breast record (does not count due to rolling start.)
220 Free Style—Amodt (R, Dixon (T), Reed (R). Time, 2:34.6.
50 Free Style—Marks (R), Murphy (T), Mitchell (T). Time, 2:6.8.
Diving—McKenna (T), Scull (T), Hanmell (R).
100 Free Style—Amodt (R), Murphy (T), tie Mitchell (T) and Marks (R). Time, 1:54.8.

100 Free Style—Alliou (R). Time, 59.4.
150 Backstroke—Montgomery (T), Renolds (R), Hobart (R). Time, 1:54.7.
New CIT Frosh Record.
20 Breaststroke—Palmer (T), Lynn (R), Chew (R). Time 2:47.7.
440 Free Style—Tie: Curray (T) and Reed (R), Hobart (R). Time, 6:03.7.
440 Relay—Tech: Mitchell, Murphy, Dixon, Houser. Time, 4:04.0.
Score: Tech, 44 1/2; Redland, 30 1/2.





Fleming Wins Over Dabney

Talent Monopoly Gives Big Red Team Easy Win

The Fleming basketball squad swim team, the boys who have composed almost completely of been coming through so well this varsity and jayvee team memseason, Bob is a guiding light bers, coasted to an easy win over beef to "run that last play again and a slave driver. With his few Dabney last Thursday on the a few times . . ." Pinned down

Too Much Talent

ditch with 16 counters to his credit.

Dabney Makes Game Try

Although fighting an uphill lead. Brad Houser needed it because he was racing their anbecause he was racing their anbecause he was racing their an-This game returned the Dis-

cobolus to the Fleming mantle but Blacker has again challenged Fleming, this time in badminton!

Fleming (50) Dabney (14) Furth F. King (2) Holditch (16) F. Navarro (4) Lewis DuFort (2) G. Brayford Cox(4)Stokeley (9) Moody (2)G. Dabney-Royden, 2; Hickey, 2. Fleming—Viewig, 3; Saltman, 10; Shore, 8. Half-time score—Fleming, 25; Dabney, 8.

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Spring Football

Spring football practice may be over at some colleges, but here in Beaverville, things are just hitting the peak. "We have a lot to do," said Coach Anderson, before he disappeared into a sea of later in hopes of a more pertinent statement, the headman Opposing a first team of var-went so far as to promise that he'd try to get eleven men on the field next fall, at least for

Prospects Fairly Bright

From the sidelines, however, the prospects look fairly bright. Practically the entire first string of 1946 will show up, along with some surprising dark horses. It will definitely be another "era of Muehlberger," as Bill's "little" brother, Roy is out and looking pretty sharp.

Muir Scrimmage

Last week the squad held a rapidly, the Tech line looked plenty rugged, with Bass playing a lot of ball. Coach Anderson said that spring practice will continue until May 24, and that new men will be welcomed either now or in the fall, when practice will start on September 15.

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Caltech Football 1947 Schedule

*Saturday, Sept. 27—Cal Poly at San Luis Obispo.

*Friday, Oct. 3—La Verne at La Verne.

*Friday, Oct. 10—+Whittier at Rose
Bowl. Saturday, Oct. 18—To Remain Open. SFriday, Oct. 24—†Occidental at Rose Bowl. *Saturday, Nov. 1—+Pomona at Rose Saturday, Nov. 8—To Remain Open.
*Friday, Nov. 14—Rediands at Rediands *Saturday, Nov. 22—Pepperdine at Inglewood High.

*--Night games.

+--Conference games.

WHO'S WHO WHERE

The upper picture is of the Baseball squad and the lower one is next year's football backfield. Sitting in the picture are: from left to right, L. Hedrick, Stiles, Mason, Patterson, Burkholder and Butler. Standing from left to right: B. Hedrick, Lyons, Mac-Ginitie, Smith, Norman, Morrison and Perrulas. Coach Musselman, Hustlin' Hal, is standing to the left.

Football Picture

left to right: Chaffee, MacLean, team if they would work . . . Strauss and Funk.

MUSICAL BAEDEKER-

(Continued from Page 2) Garner had to be satisfied with just a bottle cap.) Nauseating antics of that kind unnecessarily take away much of the merit of the music presented. The worst crack of the evening came from Alex Cooper, a local disc jockey plugged by Norman, who claimed that with jazz, "good music finally came to Pasadena.'

Band Around Town

The Pasadena Civic Auditorium, nationally famous as a top spot for one nighters, has copped another up-and-coming band for this weekend-that of-Bobby Byrne, outstanding tram man from the Dorsey Band. Bobby has already established himself in the east and has just concluded a successful run at the Casino Gardens, where he was acclaimed for his smooth and danceable music.

Field & Court

By Your Father's Mus . . .

Well, spring is all around us and the beach parties are in full swing. They tell me that Fleming and Ricketts were rained out last Saturday. Isn't it a pity that they don't know anybody in Metro who could give them the inside dope . . .

Two-Man Murder

Two-man volleyball seems to be making progress, but there doesn't seem to be much doubt in anybody's mind who will win.

Swish and Swat

There seems to be quite a great deal of alliteration on these pages. according to some who claim that they know something lousy when they see it. That seems to be the chief criteria for approving strange headlines.

"Novice" Quit Joking

It appears that not all the men in the novice tournament arebabes with tennis balls, and that Next year's fullbacks are, from some of them rate berths on the

Swimming and Cops

Some very interesting things have been circulating about the Redlands swimming trip. It seems that Mr. Musselman knows away a whole keg of it (Errol his eating places, but that some others don't know their speed limits. They are still talking about cops that drive without lights . . .

Soccer?

They tell me that soccer will be a full flourishing sport next year, and that all it needs is a coach. Has anyone seen any old coaches lying around?

Souvenirs

A great many people are out enjoying spring practice. Some of them seem to enjoy it so much that they collect shiners for sou-

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Linus Pauling Receives Medal For Outstanding Work In Chemistry

Theodore William Richards Award Given Today To Head Of Tech Chemistry Department

Today To Head Of Tech Chemistry Department

Dr. Linus Pauling, professor of chemistry and chairman of the publicity I had expected a pink division of chemistry at Caltech, was presented the Theodore William Richards medal today for "conspicuous achievement in chem-famed "Hot Rivet" to shame. istry." The award is given annually by the Northeastern Section Actually, it was somewhat mildof the American Chemical Society to an outstanding chemist.

Today was the second time in the history of the award that it several comments of interest to has gone to a Tech professor. In 1933 Dr. Arthur A. Noyes, under Techmen. whom Dr. Pauling studied here, received the award, the second given. The first was awarded posthumously to Professor Richards for whom it was named.

Physics Head

Th eappointment of E. C. Wat-

trical Engineering at the Califor-

Professor Watson, who joined

National Development and Re-

(Continued from Page 1)

ter area, although shaking was

widespread. Investigation of the

quake has been under the direc-

tion of Dr. C. F. Richter, Caltech

professor of seismology. J. M.

Nordquist of the Seismological

Laboratory first determined the

source of the quake. F. E. Leh-

ner and Ralph Gilman set up and

Records at the laboratory and

auxiliary stations indicated that

the earthquake had originated

in this fault, Dr. Richter said.

Caltech students S. T. Martner,

M. E. Denson and B. F. Howell

investigated and found the ef-

fects exactly where they were

expected. Dr. Buwalda has also

been over the ground and is pre-

paring a report on his findings.

(Continued from Page 1)

nurseries, these trees to be used

as a border on the "T." In fu-

ture years the Forest Rangers

will cooperate to the extent of

giving us trees so that in several

years there will be a raised, dark

green "T" on the mountain-side.

months or so until the next ex-

pedition will take place, we are

helping in a much more worth-

while manner than by raising a

big gripe about the matter now.

After all, we will get the "T"

again; in fact, it will be a bigger

and better one than ever before.

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BUWALDA'S FAULT-

DuBridge, Caltech president.

This new honor comes to Dr. Watson New auling less than a year after Pauling less than a year after he received the Willard Gibbs Medal from the Chicago Section of the ACS. He was also recently chosen by Cambridge University to receive a doctorate of sci-son, professor of physics, as ence degree and will go to Eng- Chairman of the Division of ticle, due to Schuyler and Smoot, land this year to receive that award.

Dr. Pauling's notable contribu- nia Institute of Technology was tions to quantum mechanics, va- announced today by Dr. Lee A. lence theory, crystal structure, electron diffraction and biochemhis selection for the Theodore William Richards award.

Dr. Pauling addressed the ACS is now president of Rice Instihere on "Unsolved Problems of tute. Structural Chemistry."



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Sportswear **Downstairs Store**

Campus Brewings I hve just received my copy of

the "Ditch Day" edition of the 'Scripture," a journalistic frivolity ground out in sand and sun by the graduating members of the Seminary to the East. After er but nevertheless contained

Milk and Martinis

In the opinion of these wouldbe - worldly - wise - wimmin (you may take it for what it's worth) Blacker soirees are famous for Canadian Club, beer runs from the faucets of Ricketts, Fleming glass of beer in one hand. His features the venerable martini, and Dabney (get this!) consumes nothing stronger than milk. Of particular interest was an ar-Physics, Mathematics, and Elec-devoted to an objective exposition of the infantilism of this race of "undersized, narrowshouldered, broad-hipped, childish, frivolous, and short-sighted representatives of an intermeistry were cited as influencing the Caltech physics faculty in diate stage between the child and 1919, has been acting chairman of the full-grown male." This colthe division since the resignation umn would be pleased to feature of Dr. William V. Houston, who any reply to this scathing expose which the girls find themselves capable of. The drama Professor Watson served as editor devoted a column to a administrative head of the Calcritical review of our recent protech rocket project during the duction of "The Clouds," unwar, and was a member of the doubtedly the only review concerning this opus that has appeared in print. Entitled "Tau Sigma vs. Tau Bete," it suggested that the production be made a required part of the Freshman Humanities course at Scripps.

Arabian Nights

Blacker's recent Spring Formal was acclaimed by all to be the mos tgala affair of the year. The music of Rod Rodrigues, a warm night, and soft lights setting of mosques, minarets, a Constantinople skyline, and blue and scarlet trees to provide a truly exotic setting.

Beach Parties

The Dabney beach party at Emerald Bay last Sunday turned out to be a huge success in every mentionable way. Not only were the weather and water perfect

ORATORS TO SPEAK-

(Continued from Page 1) of the South."

At the Pepperdine Speech Pentatheon on May 30-31, Caltech will be represented by Irving Sulmeyer and John Heath.

San Diego Meet

The debate team and Dr. Schutz journeyed to San Diego State College to participate in an Classified Ads invitational meet held May 9. The contests were non-decisional.

Darwin Freebairn, John Heath, Irving Sulmeyer, and Thomas Vrebalovich represented Tech in the unique contests. The absence of formality (and judges) allowed the speakers to give full reign to their powers of humor and repartee. Vrebalovich, in particular, drove many points home with a sharp wit intended to sway the audience.

Contest to Be Annual

Dr. Schutz plans to make this event an annual one by inviting San Diego to come to Tech next year. This type of speaking is important because it enables the speakers to develop platform

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Stock Is New Geology Head As Buwalda Retires Chairmanship

Buwalda to Complete Key Research; Eminent Paleontologist Takes Post July 1

Dr. John P. Buwalda, professor of geology, will retire as chairscandal sheet that would put our man of the division of geology at Caltech July 1, and Dr. Chester Stock, professor palentology, will assume the duties of head of that division, Dr. Lee A. DuBridge, president, has announced.

Dr. Buwalda asked to be allowed to retire in order to complete a number of research projects in structural geology upon which he has been working for some time, Dr. DuBridge said. He will continue in his capacity as professor of geology.

but food and beer were plentiful. a great debt of gratitude to Pro-Fullerton gave an amazing ex- fessor Buwalda for his long years hibition of softball pitching, batting, and base running with a slide into second climaxed the game and the beer didn't get very sandy.—It was hard to tell what happened after the sun went down. One incorrigible group persisted in singing "I Used to Work in Chicago" but everyone else seemed to have disappeared beneath a sea of blankets.

Also romping in the sand on another beach were the Rowdies of Ricketts. Evecatchers of the afternoo nwere the identical twins, Corinn and Katherine Phillips. Even their dates could not tell them apart in bathing suits. The party broke up as the tide came in and submerged the buried beer keg. King and Dahm lingered a while with their dates.

Tried Hard

Fleming had a rough time of it last weekend. Friday night there had been a record dance planned but upon getting a last minute show of four hands they decided to give the whole thing up. Sunday was to have featured a beach party but the hardy few that ventured down got rained out and returned with an untapped keg of beer. That's blended with the Far Eastern alright fellows, you get an E for effort anyhow.

Gleanings

Ex-Blackerite Gar Harbottle was cutting quite a sensational figure at the staid Tau Bete dance.—Somebody tell me; why well?-Mary Stansbury is a pretty poro back-seat driver.

poise and quick thinking.

Group Well Entertained

During the weekend the Techmen were guests of the San Diegans at numerous affairs, inthe Sun" and a hamburger bake. Unfortunately, the group was unable to attend a dance which was given Sunday evening.

TYPING—Prompt service, rates reasonable Mitchell, SYcamore 4-7036.

THESIS, term papers, manuscripts typed. Twenty years University of Washington. Miss Corinne Babcock, 1028 Mission St., South Pasadena. (SY. 9-2462).

→ "The California Institute owes of important service with the Institute. He is primarily responsible for building the Division of Geological Sciences from nothing up to one of the finest geological centers in the country. For twenty-one years he has been leader of this division, and though th eInstitute will sorely miss him in this post, we feel that he deserves a respite from administrative duties in order that eh may give more time to the completion of several important research studies," Dr. DuBridge said.

Dr. Buwalda has also served as consultant on dams and other engineering works in California and, with the late Dr. F. L. Ransome, did most of the geological work on the tunnels and dams of the Colorado River Aqueduct for the Metropolitan Water Dis-

Dr. Stock, who came to Tech in 1927 as Professor of Paleontology, also came from U. Cal. and is best known for his work in vertebrate paleontology. He has extended man's knowledge of early mammalian history 20 million years further than it was before, and work now being done under Dr. Stock's direction in Mexico may well establish Caltech as the principal interpreter of the history of mammalian life in that country.

In announcing Dr. Buwalda's successor, Dr. DuBridge stated, "The Institute is fortunate, indo they call him "Hands" Cald- deed, that Professor Buwalda can be succeeded by so distinguished a man as Professor Stock. He brings to the post a thorough knowledge of the Institute, of the Division of Geological Sciences, and a broad experience which will be of great value in guiding the future of cluding attendance at "Duel in the work in the earth sciences

PROFESSOR APPOINTED

Dr. H. P. Robertson, nationally known mathematical physicist who since 1928 has been on the faculty of Princeton University, will become a member of the California Institute of Technology faculty as professor of math-

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