

CALIFORNIA TECH

Volume XLIX

No. 28

"Institutors", New Service Group Formed by Students

New Service Organization Formed to Provide Pool of Students Willing to Aid the Student Body

On Monday afternoon in Room 206 Dabney at 4 p.m. the first meeting of the INSTITUTERS, Tech's new service organization, will be held. This group has been formed for the purpose of assisting the California Institute and the Associated Students. It aims at providing a pool of students willing to respond to any reasonable request for service to the school or student body as a whole.

No-restrictive Membership

Membership is non-restrictive requiring only a pledge on the individual's part to serve the school and student body in any reasonable manner. To maintain membership, each individual must show by his record of service during the previous term and reaffirm his desire at the beginning of each new term to maintain his membership. By this method, it is hoped that a large efficient group of men who actually do the work will be built up and available at all times to perform any necessary work.

The organization of the INSTITUTERS is a little different than other groups on campus being made up of sub-divisions consisting of the members from each of the four houses, Throop Club and the off campus men. Each of the divisions will elect a representative who will sit on the executive council along with a Chairman and Vice-chairman elected by the membership at large.

Faculty Approval

Dean Eaton is the faculty sponsor and is enthusiastically backing the group feeling that the possibilities for such an organization are unlimited. With his advice and counsel, the men who have started this new service group are confident that the INSTITUTERS will be able to provide the men heretofore so difficult to find to do the numerous jobs around the campus.

This opinion seemed to be reflected in the meeting of the board of directors when they approved of the new organization unanimously last Thursday night. Stan Barnes, speaking for the Board, promised their full support.

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Tau Bete to Honor Outstanding Frosh

At the Awards Assembly to be held May 28, a week from Friday, the man chosen by the Caltech Chapter of Tau Beta Pi to be the Outstanding Freshman of the Year will be awarded a suitable prize.

The selection is based primarily upon scholarship, character, and participation in campus activities. The giving of an award to the year's outstanding freshman was inaugurated last year by the Tau Bete's for the purpose of giving honor and recognition to very exceptional men. Ralph Lovberg was last year's winner.

Campus Calendar

THURSDAY, MAY 20—
Upper Class Luncheon Club at the Training Table, 12:00 p.m.
Throop Club Meeting, 12:20 p.m.
Y Cabinet Meeting, Y Lounge, 7:15 p.m.
Dancing Class, Culbertson Hall, 7:30 p.m.
Glee Club Rehearsal in Throop Club, 8:30 p.m.
FRIDAY, MAY 21—
Student Assembly, Varsity Club Show, 11:00 a.m.
Dabney Theater Party.
Caltech Bible Club, 304 Bridge, 12:20 p.m.
Biology Club Meeting, Room 102 K.
Election of Officers for next year.
SATURDAY, MAY 22—
ASCIT Spring Semi-Formal Dance.
Riviera.
SUNDAY, MAY 23—
Musical in Dabney Lounge, 7:30 p.m.
MONDAY, MAY 24—
Caltech Bible Club, 304 Bridge, 12:20 p.m.
TUESDAY, MAY 25—
Band Practice, Culbertson Hall, 7:30 p.m.
WEDNESDAY, MAY 26—
Fresh Luncheon Club at the Training Table, 12:00 p.m.
Caltech Bible Club, 304 Bridge, 12:20 p.m.
Fencing Class, Dabney House, 7:30 p.m.
Orienteer Practice, Eccles Library, 7:30 p.m.
Orchestra Practice, Culbertson, 7:30 p.m.
Caltech Bible Club, 304 Bridge, 12:20 p.m.
THURSDAY, MAY 27—
Upper Class Luncheon Club at the Training Table, 12:00 p.m.
Throop Club Meeting, 12:20 p.m.
Y Cabinet Meeting, Y Lounge, 7:15 p.m.
Dancing Class, Culbertson Hall, 7:30 p.m.
Glee Club Rehearsal in Throop Club, 8:30 p.m.

California Institute of Technology

Thursday, May 20, 1948

Change Vet's Rules, State Announces Prorating to End

The following announcement was made today by the State Department of Veterans' Affairs, and should be of interest to those Caltech veterans who are affected by it.

No More Prorating

"In accordance with an Attorney General's opinion, prorated maintenance payments will no longer be made by this Division. Henceforth, when a student's attendance is actual and satisfactory during that part of a calendar month when school is in session, he will receive the full monthly award for living expenses. Students completing the current semester in June will receive full subsistence for that month.

Attendance Vouchers

"Attendance Vouchers may be submitted immediately upon the close of the school term, but checks cannot be mailed until the end of the month. Please re-

(Continued on Page 2)

In the final decision of the judges Sulmeyer received two first places, two second places, and one third spot. The winner, Al Goodspeed, received two first places and three second places, thus edging out Sulmeyer by the narrow margin of one point.

Goodspeed received a prize of a \$1000 bond plus a paid trip to Philadelphia, the city Franklin made famous. Sulmeyer as second place winner will receive a \$100 bond.

Sulmeyer first began his triumphal journey to the Windy City on May 5 when the southern California division of the contest was held at Occidental College. Sulmeyer won first place and a trip up to Oakland where he represented the southern division in the contest held for all the western states.

Here again Sulmeyer triumphed with a unanimous first place decision from the judges, thus becoming the collegiate representative for the western states.

This distinction is only one of the many times that Sulmeyer has brought recognition to himself and to Caltech during the four years of his active participation in collegiate forensics. He graduates in June.

Tau Bete Offer Tutoring Service

There is good reason to believe that in at least some of the courses that you're now taking, there are troublesome points. A useful fact to remember however is that this very material has already been covered by others that made the mistake of coming here before you did. A lot of them now have a good understanding of the subject. If you feel that it might be practical for you to have a better grip of that material yourself, then you can profit by an ingenious device that has been developed for putting the above mentioned guys to work for you.

The local Tau Beta Pi chapter offers a tutoring service—consisting of members who have volunteered their assistance in various subjects in which they feel that they can be of use. The whole thing is free of course and it's one of those setups where everyone benefits.

The procedure is simple. Just visit the YMCA office in lower Dabney. There is a card index there with the names of the men, the subjects in which they can give help, where they can be reached, and at what hours they are available. Wes Hershey will be glad to help you choose a likely man.

The term is already in the home stretch. The time to act is now.

(Continued on Page 2)

Riviera Club to Be Scene of ASCIT Spring Formal Dance

BIG T IS HERE

The 1948 Big T is now being sold and distributed at:

- Dabney Hall
- Throop Hall, upper and lower.
- Bridge.
- Throop Club.
- Bookstore.
- Fleming-Ricketts court.
- Athenaeanum.

Price \$5.00 or a CIT card.

Today

216 pages—bigger and better than ever before, including pictures of campus, Palomar, articles of general interest on the 200-inch reflector.



QUEEN JEANNE—Pretty Jeanne Gard, chosen to reign as Queen of the ASCIT Spring formal dance this Saturday night. Miss Gard represented The Caltech Y.M.C.A. in the contest held at last Friday's assembly.

ASCE Group Tours Azusa Hydro Labs, Studies Cavitation

The Caltech Student Chapter of the ASCE played host to more than 200 members of the Los Angeles Section on Wednesday, May 12.

The program started in the afternoon with a visit to the Guam Model at the Hydraulic Structures Laboratory in Azusa.

Dinner

After dinner at the Athenaeanum, members and guests assembled in Culbertson Hall where Dr. Robert T. Knapp, Director of the Hydrodynamics Laboratories at the Institute, described the Hydrodynamic Program as related to the study of such phenomena as the transportation of sediments, turbulence, cavitation, and hydrodynamic forces on moving underwater bodies.

(Continued on Page 2)

T. A. Boyd Addresses CES Meeting Group

"A Glimpse of Engineering in Industry" was the subject of an informative talk presented before the CES. Mr. T. A. Boyd, the speaker, is research consultant

(Continued on Page 4)

AIEE Plans Visit To "Times" Plant

The Caltech student chapter of the American Institute of Electrical Engineers has scheduled another of its field trips. This time the EE's will journey to Los Angeles where they will inspect engineering features of the Los Angeles Times building on Friday the 21st, and Monday the 24th. Of special interest will be the Times' own power plant, designed solely to furnish power for the Times' operations, and the teletype and printing departments.

Hirshberg Elected New I.R.E Chairman

Walter J. Hirshberg and Alfred W. Thiele were elected Chairman and Secretary-Treasurer, respectively, at an I.R.E. business meeting last Monday.

The retiring I.R.E. officers are C. A. Rypinski and Charles Susskind.

"Great Plans"

The Caltech student section, for the first time officially recognized by the Institute of Radio Engineers, has great plans for next year, said Hirshberg in his introductory talk. The newly-elected chairman stressed the desirability of further development of the electronic industries on the West Coast.

Joining I.R.E

If you are interested in joining the Caltech chapter of the I.R.E., contact one of the new officers and obtain a student membership blank.

Acting as attendants to the queen will be the eight other contestants: Barbara Blair, Jean Brown, Sue Ficker, Charlene Hardley, Pat Hines, Jo Ann Joyce, Betty Sue Paris, and Gloria Shollen.

Reigning over the merrymaking throng will be Jeanne Gard, chosen Queen of the dance by Judges Clark, Jones, Lindvall, Jahns and McCreery, at last week's assembly. Miss Gard, en-

Attendants

Acting as attendants to the queen will be the eight other contestants: Barbara Blair, Jean Brown, Sue Ficker, Charlene Hardley, Pat Hines, Jo Ann Joyce, Betty Sue Paris, and Gloria Shollen.

Last Friday, reversing the usual procedure, the girls took over the role of judges and chose Chuck Howard from a large field of entries to reign as king, while waiting for the judges to announce their close decision naming the queen. Both king and queen will be installed in a coronation assembly at the dance.

Many Attractions

Besides this show of royalty many more inducements to attend are offered. Rated as one of the most beautiful country clubs in the Southern California region, the Riviera has, besides the usual features, a picturesque balcony from which the sound of the surf can almost be heard. For those with more material interests, the whole bottom floor is turned over to providing liquid refreshments.

Dress

The affair will be semi-formal—dark suits or summer formals for the men and formals for the women. Admittance will be by student body card for undergraduates; or by a bid costing \$1.50 for graduate students.

Directions

To get to the Riviera Country Club, get on Sunset Blvd., and head towards the Pacific Ocean for about twenty miles and then keep going. Midway between Sepulveda and the Ocean on your left as you go west is the Riviera Country Club. You'll probably miss it in the dark but keep looking anyhow.

Seniors to Meet In Dabney Monday

Seniors! On Monday, May 24th, there will be an important class meeting in 206 Dabney at 11 a.m. Mr. Howard Lewis, President of the Alumni Association, will be there to speak to the seniors. In addition to this most interesting feature, there will be numerous important bits of business to be discussed.

Class Secretary

This will be the occasion for nominations for the office of permanent Class Secretary whose task is to maintain liaison between the members of the class and the Alumni Association. This individual should be preferably a resident of this area to make his task easier.

Other Offices

In addition, several other selections are to be made, such as, the Senior Most Likely to be a Total Failure in Life, etc. The actual voting will be done at the first few minutes of the H10 lecture on Thursday 27 May in 155 Arms at 11 a.m.

Any senior who does not take this course, may just drop in at the beginning of the hour to vote or else see Bud Mittenthal the previous day for an absentee ballot.

The California Tech

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Caltech Mourns Death of Board Member G. G. Hoag And Associate E. W. Crellin

Two of the California Institute of Technology's most loyal benefactors, George Grant Hoag, member of the Board of Trustees, and E. W. Crellin, member of the Associates and donor of the Crellin Laboratory of Chemistry, died this week.

Mr. Crellin died Sunday at his home at 1550 San Pasqual Street, the day after his 85th birthday. Mr. Hoag died Tuesday morning at the Huntington Hospital following a heart attack. He was 75 years old.

Mr. Hoag, Mrs. Hoag and their son, George Grant Hoag III, established the Hoag Endowment Research Fund in 1937 and made a gift valued at approximately \$860,000 to the Institute, the income from which was to be used for educational research in the fields of science and engineering. A plaque commemorating them was subsequently placed in the Guggenheim Laboratory of Aeronautics which this fund helped make possible. Mr. Hoag was one of the founders of the J. C. Penney Company and served on its board and as a vice president for many years.

In 1939 Mr. Hoag became a member of the Institute Board of Trustees, a position which he held until his death. He leaves, besides his wife, two children, George Grant III and Melinda Grace.

Mr. Crellin was a member of the California Institute Associates and was with Mrs. Crellin, the donor of funds totaling approximately \$350,000 for construction of the Crellin Laboratory of Chemistry. A native of Ohio, he and Mrs. Crellin came to California 25 years ago from Iowa where he founded and for many years headed the Des Moines Bridge and Iron Works.

Mr. Crellin is survived by one son, Curtis V. Crellin of Hawaii. Mrs. Crellin died in 1946.

Funeral services were held today at 3 p.m. at Turner and Stevens, Marengo and Holly, Pasadena.

ASCE GROUP

(Continued from Page 1)

Climaxing the day's program, those present were conducted through the Hydrodynamics Laboratory in groups of twenty. Laboratory personnel stationed at each of the eleven projects included in the tour did an excellent job of illustrating their respective projects.

FOR CORSAGES

IT'S

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 and
SWIM SUITS
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Car Repair Spot Now Available

The long battle for a student car repair space on campus has finally been won, it was announced this week. The Building and Grounds Department, under the direction of Wes Herenstein, has granted the use of a space north of the student shop in which students can do work on their cars. After a few trees have been removed and other minor changes have been made the space will accommodate three cars.

Old Rule Goes

It has been a long standing rule that no car repair work could be done on campus, and many previous attempts have been made from time to time to obtain this facility for the students. Credit is due to Bob Pindexter, C. A. Rybinski, and Chuck Forester for finally pushing the matter to completion.

Operation

Operation of the space will be under the direction of ASCIT, which has appointed a student director to take charge. Facilities will be open to any member of the student body, with the understanding that each man will do his own clean-up.

Prospective users should check with the director first, however. There is no connection between these spaces and the student shop.

"Y" Cabinet Group Holds First Meet Of New Fiscal Year

The recently elected "Y" cabinet for 1948-49 had its first meeting last Thursday night, as policy for next year was discussed.

Burton Housman presided for the first time as President of the Caltech "Y". Other officers include Vern Edwards, vice-president; Bob Critchton, secretary; Harry Begg, treasurer, and John Fee, regional representative.

Other Members

The remaining members of the cabinet are Dave MacKenzie, firesides; Dick Buck, church relatedness; Chuck Forester, forums; Peter Knoepfle, World Student Relief; Dan Markoff, social; Jim Enslow, chapel; George Davenport, Asilomar representative; Bill Woods, Upperclass luncheon club; Ralph Stone and Ulrich Merten, world awareness; Earl Hefner, publicity; Dick Libby, book exchange, and Bob Smith, Frosh luncheon club.

Retiring seniors from the 1947-48 cabinet are Dick Alexander, Bill Boutelle, Bill Muehlberger, Elroy Chinn, Tom Tracy, Jim Harder, and Dave Metzler.

CHANGE VETS

(Continued from Page 1) member that checks are not forwardable mail, therefore, attendance vouchers should bear an address at which mail can be received on or about the 10th of the following month."

PASADENA BOWLING COURTS

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

Stotts Hold Fireside, Dinner At Balboa

Last Sunday an enjoyable Fireside was held at the home of Mr. and Mrs. William Stott at Balboa. Mr. Stott is assistant comptroller at the Institute. After an afternoon of sailing in the Stott's 26 foot cabin cruiser and swimming in the blue Pacific, the group of 12 men were treated to a dinner prepared by Mrs. Stott.

Burt Housman displayed an unusual capacity for holding ham, salad and rolls, but the copious supply of food outlasted even his ravenous onslaught.

Sun Shines Brightly For Blacker Party

The sun shone upon Blacker men and their fair dates at last Sunday's Pt. Dume beach party. After a lazy day on the beach most everybody dropped in at Charlie Bate's house for some fine food and drink.

For those whose sunburn has shaded to tan, another beach party is planned for Sunday, May 30.

"Doc's Party"

A rainbow of colored streamers, dim paper lights, and soft music with a torrid undertone set the scene for Blacker's annual "Doc's Party," held two weeks ago.

Under the dutifully watchful eye of Prof. Eagleson, Blackerites waltzed, samba-ed, or just listened raptly as the latest version of the popular Eddie Miller combo relaxed from soft melodies to carry themselves away with "Sunday Morning Blues" and the best in "Dixieland" rhythms. Notable among the musical crew were Budd Hatch and Mattie Matlock of New Orleans fame, Lou McGarrity on trombone, Russ Soule, trumpet, and the one and only Eddie Miller himself.

The Good Road is produced on a nonprofit basis by people from all walks of life and from all countries of the world who volunteer their time and energy to bring their vital message to the people of America.

When showing in Los Angeles, the L. A. Times critic said the following about it: "Provocative and timely . . . opened to a distinguished audience . . . brilliantly staged and carrying a terrific impact."

Today is Senior
 Ditch day—As if you
 didn't already know.

CROWN

129 N. Raymond Sy. 6-5100
 PASADENA -- Cont. 12 M.

**THE SQUARES' CIRCLE****THE REAL ISSUE**

May 10, 1948

California Tech,
 To the Editor:

There have been some basically incorrect assumptions regarding the issues that exist between the United States and Russia.

It has been generally assumed that the conflict is between Capitalism and Communism. Actually, the real issue is between democracy and totalitarianism. The real issue is political rather than economic.

We must realize that there is a great danger that in trying to oppose "Communism" we may have to create a completely totalitarian government in our own country, and thus destroy our civil liberties. The end does not justify a means which by its very nature defeats that end.

George L. Davenport

ICEPLANT AGAIN

To the Editor:

The statement by the Committee on Buildings and Grounds that you published two weeks ago presented the following argument:

a) We would like to beautify the grounds of the Institute.

b) Grass is too expensive for our budget.

c) We will, therefore, plant iceplant. This argument is completely void of any trace of the scientific logic one should expect from a group of distinguished representatives of a world-renowned scientific institution.

To approach this problem in the proper manner, one should set up an equation involving the essential factors; i. e., the beautification factor, the cost, and the state of the institute's budget:

Let D = Desirability

B = Beautification factor

C = Cost

k = Budget factor.

The equation will then be of the form $D = f(B, k\$)$. The precise form is shown by a process of elimination. It cannot be of the type $D = B/k\$$, for in that case the optimum condition would occur when $\$=0$, while it will be agreed that an even higher D should be attainable when $\$$ is negative. We shall assume, then, as a working hypothesis, that the equation is of the form

$D = B - k\$$,

in which case D reaches a maximum when $\$$ is very high and either k or $\$$ negative.

B , standing for beauty, is according to an accepted old proverb, "only in the eye of the beholder."

k can be found quite easily—ask the comptroller.

Ask for $\$$ —well, I wouldn't ask the Dept. of B & G after the estimate they give on the cost of the present iceplant out iceplant in job. (They said \$1000. I measured the plot, went to a local landscape gardener, and received an estimate of \$428.) Some reliable contractor could give an estimate on the cost of various methods.

Further work can be done only on the basis of precise information on the various factors. However, a rough check can

Work Party Planned For Ski Club Lodge

The Caltech Ski Club has invited to a performance of The Good Road, a new musical review to be presented on Monday, May 24, at 8:30 p.m. at the Pasadena Civic Auditorium.

Tickets may be obtained free of charge by phoning Sycamore 6-1414.

The Good Road is produced on a nonprofit basis by people from all walks of life and from all countries of the world who volunteer their time and energy to bring their vital message to the people of America.

When showing in Los Angeles, the L. A. Times critic said the following about it: "Provocative and timely . . . opened to a distinguished audience . . . brilliantly staged and carrying a terrific impact."

Today is Senior
 Ditch day—As if you
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A striking amethyst ring in 14k gold \$732.00

Smart and unusual accessories, distinctive in craftsmanship by Brock

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14k gold key \$36.40

The ultimate in lighters 14k gold \$192.00

Pad. Fox included

CAMPUS

After last Friday morning I guess it should be obvious that women prefer blonds. It was also most interesting to watch Chaz Howard and the new Queen being posed for those glamour shots by the photographers. I suppose it is art or something, but I couldn't quite figure out why he had to be tenderly fingering her ears while she grabbed him firmly by one jowl while the eyes of both parties bugged out at each other.

Play

Some students took dates to the plays last Friday and thereby shocked some of the more innocent ones. And then there are people like Tom Lang who asked his girl if she wanted to see a good play put on. I understand she was quite disappointed when it turned out to be a theatrical production.

Next year we hope the Drama Club will put Jack Ottestad on the stage where everybody can enjoy them.

And as far as the plays are concerned I think the cast and crew pulled a professional performance.

Dinner-Dance

Inspired by the sight of flam-

be made with the data at hand.

To begin with, we shall consider the object to be optimized, iceplant.

Without considering the B factor, (it is not improper to assume that whatever the B & G Committee chooses will look awful) we may still be able to obtain a small but definitely positive value for D simply by finding a substance for which $\$$ is negative.

This is not as difficult as it may seem; One could always rent the area to a local Japanese truck farmer. This would not, however, give optimum B.

The Institute's gardeners are up to the job, so other methods might be used with artistic results.

A field of wheat, rustling in the wind, has been suggested by some. Or, if the area is too small for such methods, a plot of cabbages arranged in an artistic manner.

Of best of all, one loyal fellow-alumnus has suggested to me that the school colors could well be displayed by the following somewhat complicated scheme: Plant one quadrangle to pumpkins (orange), one to cauliflower (white).

And then, to display our patriotism even to the underground, plant the other two quadrangles to carrots and white turnips!

Gentlemen: the method has been presented to you. It is but for you to work out the details. I hope sincerely that I have not offended the "powers that be" with my hepful hints; this is merely my small contribution to the Alumni Fund.

Very truly yours,

G. G. Sher (class of '44)

BREWINS

ing youth on the stage, Fleming and Ricketts went all-out Saturday night with a smooth dinner-dance in their court. Stan Barnes, assuring his import from the East that the band was

SCHROEDER'S 5303 POINTS TAKES ANNUAL DECAHTLON

Last Thursday and Friday ten of Caltech's more versatile track athletes competed in the annual Doc Hanes Decathlon. Big gun among the iron men proved to be Dwight Schroeder who finished with 5303 points to rank eighth among Techmen of all time to win the cup. Scoring is done on the official Olympic point basis, so that yearly totals are comparative. Last year's winner, Bob Funk, whose score ranked third among the all-time alltimers, did not compete this year.

Ten Events

Decathlon competition is spread over four track and six field events taking place on two successive days so that stamina and endurance as well as skill in all ten events if his marks are to count on Doc Hanes' list of best performances. Schroeder's 100 meter time of 10.9s ranks second fastest ever run at Tech; his high hurdles in 16.1s is third fastest, and broad jump of 20 ft. 10 1/2 in. is fourth best on the record.

Marshall Second

Jack Marshall, runner-up on total points this year, established a new record for the 1500 meters when he ran the metric mile in 4m 27.5s to break the old record by 2.5 seconds. Dick Cornelius ran 4m 34.7s to rank 3rd best of all time in the same event. George Brown pole vaulted to 11 ft. 6 in. to tie for second in the list of best decathlon vaulting marks in Tech history, while Earle Brown ran 400 meters in 52.3 to rank sixth in all-time standing.

Total scores for top five men were: Dwight Schroeder 5303; Jack Marshall 4622; Wayne Herzig 4266; George Brown 4119; Earle Brown 4094. Others competing were: Dick Cornelius, Ken

(Continued on Page 4)

SCIC Tennis Tilt Finds Techman Second in League

The annual SCIC tennis tournament last Friday and Saturday left little doubt that Homer Richards of Redlands is the top tennis player in the league this year.

Competition

His keenest competition was provided by Caltech's Bill Shivar, who lost to Richards in the finals after three sets of sparkling serves and volleys. Congratulations also to Bill for his victory over Jones of Occidental after having lost to the Tiger netman in earlier encounters during the season.

(Continued on Page 4)

CARL'S CALTECH BARBERS

5 GOOD BARBERS—APPOINTMENTS IF DESIRED

ON CALIFORNIA NEAR LAKE

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



ALL panda-monium just broke loose for this little guy with the hairy ears and two black eyes. Somebody snatched his Wildroot Cream-Oil! You may not be a *panda* — but why not see what Wildroot Cream-Oil *cand*? Just a little bit grooms your hair neatly and naturally without that plastered-down look. Relieves annoying dryness and removes loose, ugly dandruff. And Wildroot Cream-Oil helps you pass the Fingernail Test! It's non-alcoholic . . . contains soothing Lanolin. Get a tube or bottle of Wildroot Cream-Oil hair tonic at any drug or toilet goods counter today. And always ask your barber for a professional application. In case there's a *panda* in your house — keep some Wildroot Cream-Oil hands for him!

* of 327 Burroughs Drive, Snyder, N.Y.

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



Beaver Sports

Techgolfers Third In League Meet

Last Friday, golf teams from Tech, Redlands, Oxy, Pomona and Whittier gathered early in the morning to play off the 36 hole conference tournament at the beautiful Hacienda Country Club, Whittier's home course.

By night fall scores were compiled giving Caltech third place behind Pomona and Whittier. The course was in top condition, but tricky, lightning-fast greens and huge barrancas kept the scores well above par. The fairways were lush and well-kept.

It's too bad that more people didn't take advantage of them.

Wilson Leads

At the end of the first 18 holes, Wilson of Pomona was ahead in the race for low medal score with a 75. The Beavers' Ed Revay was second with a 76. At this point in the tournament, about 6 of the original field of 30 had collected such astronomical scores that they retired to the bar for the last 18.

The rest of the hackers toured the course once more, this time playing in a slight wind that sent more balls into the barrancas and water hazards. Low medal for this round was posted by Smith of Redlands, who came in with a 77.

Whittier Close

The four low medal totals for each team were added, and Pomona squeaked through to a win with 661. They were followed closely by Whittier's 662. Tech collected 675 for third place, Redlands followed with 712, and Occidental withdrew. Only one of their team finished the 36 holes.

Ed Revay of Tech and Tal Wilson of Pomona were tied for low medal score at the end of 36 holes, each collecting 157 blows. Revay lost his claim to the medal awarded for low score by virtue of a "sudden death" playoff with Wilson. Ed had a 5 on the 37th hole, while Wilson still had enough strength to run down a 4. Smith of Redlands took third place in the low medal race with a 159.

	1	2	Total
Wilson	75	82	157
Parker	picked up		
Ortley	79	82	161
Henzie	85	85	170
Lingenfelter	91	picked up	
Wilcox	85	88	173
Team Score:	661		
Wilson, Ortley, Henzie, Wilcox, Whittier			
Spurts	78	82	160
Thompson	82	81	163
Litten	89	87	176
Martin	83	87	170
Gresh	88	81	169
Bartin	91	81	172
Team Score:	662		
Wilson, Ortley, Henzie, Wilcox, Whittier			
Spurts	78	82	160
Thompson	82	81	163
Litten	89	87	176
Martin	83	87	170
Gresh	88	81	169
Bartin	91	81	172
Team Score:	662		

(Continued on Page 4)

WHEN YOU ARE HUNGRY WHEN YOU ARE THIRSTY

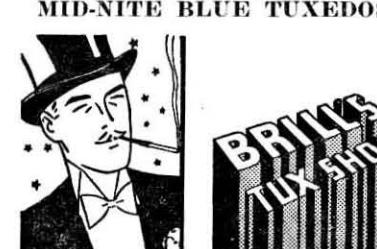
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Frosh Sports Roundup

—By Earl Hefner

This week: Berk Welch*

The Tech Frosh tennis squad is nearing the end of a pretty fair tennis season. The junior racketeers have scored dual wins over Oxy and Whittier and a single win over Pomona, while losing to Redlands' Bullpups twice, and to Pomona once. This gives the team a record of five wins against three defeats for the season.

Captain

Recently elected captain of the outfit is Jack Martin who held the number one position until a few weeks ago. Martin is undoubtedly an outstanding player and possesses a great stroke. He is a cool player, and pushes his opponents, keeping an advantage once gained.

Number One

Dean Blanchard moved into Martin's place from second spot. Dean plays a steady game which is characteristic of his fine play. His stroke is easily adapted for speed, and he can pour on the steam when necessary.

Thorne Butler and Don Schmid are the third and fourth men on the ladder. Butler's height gives him a fine serve, and the Frosh basketball center can hit a hard ball. Don Schmid is a fine competitive sportsman, and plays well under stress. He has a consistent, steady volley and goes to the net well.

The six and seven spots were constantly switching between Lynn Croswright and Bob Munro following matches between the two. Dick Marsh made up the remainder of the team as number 8 man.

*(Berk Welch is number 5 man on the Frosh tennis squad. The hard working racketeer doubles as manager of the team, an "honor" given him by Coach Johnny Lamb.)

PIGSKIN SQUAD BOLSTERED BY TRACK MEN

Pigskin coach Andy Anderson welcomed several new men to his spring batter and bruise session, this week. From the track squad came Wayne Herzig, Hal Tyson, Manual Bass, and Bob Funk. Bob Walquist has joined the party after overcoming the effects of his broken finger. A newcomer to the squad is Burt Housman who Andy is trying out at center.

Frosh who have joined the team are Don Schmid from tennis, Art Miller and John Lewis from track, Chuck Bates from baseball, and Norm Schroeder. The practice ends next Thursday with an intra-squad contest.

Tigers Dropped By Tech Nine

Last-Half Rally Saves Beaver Team, Tenth Inning Runs Clinch Fast Game

The Varsity horsehiders, playing the brand of ball they have shown promise of all season, rudely dumped the Occidental Tigers at Tournament Park Friday afternoon, for their first Conference victory.

Although on the short end of a 9-3 count after five innings of play, the Beavers came back with a big four run rally in the seventh, and went ahead in the next stanza. Oxy sent the game into extra innings with an unearned run in the ninth, but two quick tallies in the tenth on successive singles by Milt Strauss, Tom Petruolas, Don Morrison, and Bruce Hedrick iced the game for Chuck Norman, who pitched four superb innings of relief for Glenn Chaffee.

Talkin' It Over with The Goon

As I battled my way through the dense clouds of smoke rising from the Hustler's infamous Corona-Corona and into the Inner Sanctum of the athletic might of the school, I saw, enveloped by the evil smelling vapors, the form so familiar to all of the students of physical education—none other than H. Z. himself. "The season is over, lad; have a cigar" he offered. "No thanks, Coach," I gasped, "I'll just inhale some of this smog that's filling the room."

Inside Dope

Well, this small talk continued for a few minutes, and then the Hustler leaned confidentially over his desk and said, "Did you hear how the Seniors chickened out of the big softball game with the Nine Old Men from the faculty? They heard what a powerful outfit we had and they were just afraid of taking a trouncing." And sure enough the Hustler was right. The faculty had flung the gauntlet of challenge at the feet of the boastful Seniors and they had backed out.

Hallowed Tradition

Most of you probably fail to realize the strong tradition that existed here before the war. Annually the Seniors and the faculty battled it out on the softball diamond to see who was the more powerful group on campus. And in the past, with Bobby M. in the office instead of on the field, the Seniors handled their elders quite easily. But now new blood has been injected into the veins of our beloved institute.

New Talent

In the President's office is none other than Lambasting Lee DuBridge formerly of the Rochester farm club of the Cincinnati Reds (who will soon be thrown out if the Mundt-Nixon Bill is passed); not one of these talk-a-lot, do-nothing athletes, Lee A. will cavort at the third base spot. Many men will re-

(Continued on Page 4)

Sports Calendar

THURSDAY, MAY 20—

Baseball: 4:20 p.m. Varsity vs. Chapman at T.P.

FRIDAY, MAY 21—

Golf: 1:30 p.m. Oxy at Oxy.

SATURDAY, MAY 22—

Baseball: 2:15 p.m. Varsity vs. Redlands at T.P.

Swimmers End Season With Loss to UCLA

Swimming season for the Tech men ended last Tuesday with a dull thud when the UCLA Bruins and a weekend of beach parties dropped the Beavers to a 52 to 23 defeat at the PCC pool.

The UCLANS took first place honors in everything except the 440 yard free style and the free style relay.

In the 440, Joe Curray paced Bruinman, Kerman, neck and neck throughout the race and finished ahead by inches.

The Beaver win in the relay surprised the Bruins who loafed too long to overcome the speedy Dick Libby as he sprinted for a win in the last lap.

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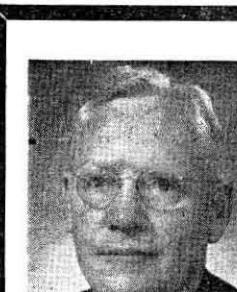
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Frosh Courtmen Edge Pomona For Fourth in Row

The Frosh racketeers are now walking around with big smiles all over their bronzed faces. By knocking off Pomona last Wednesday, the Engineers made it four straight, for a season record of 5 wins and 3 loses. Without a doubt this puts the Beavers in second place and gives them a possibility of a three way tie for first.

Close Contest

The final match with the Sages was nip and tuck with the final score at 5-4. The stalwarts of the team, Dean Blanchard and Don Schmid, continued their winning ways. "Muscles" Dean, praying that the ball would not come to his backhand and demoralizing his opponent with chatter of his ability won with little trouble. Schmid just refused to quit and won in three sets, with his cool, steady game.

Tournament

After Pomona, tournament time suddenly appeared and the boys journeyed out to play on Redlands' new courts.

Jack Martin went to semifinals in the singles, then was defeated by Bob Hatch of Pomona. In the doubles, Martin and Blanchard went to the finals, but lost to Williams and Knox of Redlands.

T. A. BOYD ADDRESSES

(Continued from Page 1)
tant for General Motors and President of the American Society for Testing Materials. He worked with Dr. Kettering on the development of Ethel gasoline and has written many technical as well as popular articles on science and engineering.

In telling the stories of the development of diesel power and of knee-action, he made use of carefully prepared slides, which illustrated very thoroughly his points.

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WHERE THERE'S COKE THERE'S REFRESHMENT



NEW SERVICE

(Continued from Page 1)
est cooperation and hoped that the Instituters would be successful in their undertaking. The Faculty Board, with Doctor Egleston as chairman, also gave their unanimous approval.

If you have been looking for an active organized group that is willing to serve the school and student body, be sure to come to the first meeting of the INSTITUTERS next Monday in Room 206 Dabney at 4 p.m.

Any questions can be answered by Bob Poindexter, Dabney, acting chairman, Carl Fox and Bob Crichton, Ricketts; Ralph Lovberg, Blacker, and Burt Housman and Stan Harri-

SCHROEDER TAKES

(Continued from Page 3)

Berg, Hiroshi Kamel, Fernando Corbato, and Charles Paulson.

Decathlon Summary: based on individual times and distances.

100 meters: Schroeder, E. Brown, Cornelius.
Shot: Berg, Schroeder, Herzog.
Broad Jump: Schroeder, G. Brown, Herzog.
High Jump: Marshall, Kamel, Schroeder.
400 meters: E. Brown, Schroeder, Cornelius.
110 meter High Hurdles: Schroeder, Marshall, Herzog.
Pole Vault: G. Brown, tie Herzog and Schroeder.
Javelin: E. Brown, Herzog, G. Brown.
1500 Meters: Marshall, Cornelius, E. Brown.

TECH GOLFERS THIRD

(Continued from Page 3)

	1	2	Total
Moore	90	80	170
Revy	76	81	157
Benton	89	91	180
Sims	89	84	173
Moffat	86	89	175
Barrie	94	92	186
Team Score:	675		
Revy, Moore, Sims, Moffat.	1	2	Total
Redlands	82	77	159
Smith	88	92	180
Peterson	98	98	196
Johnstone	90	87	177
Rieger			
Team score:	712		
Oppenberger	79	picked up	
Audiberg	81	picked up	
Tiberg	93	picked up	
Coster	94	picked up	
Nelson	83	87	170
Baker			

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OPEN EVENINGS

TALKIN' IT OVER

(Continued from Page 3)
member his great slide into home at the Frosh Camp not so long ago which tied up the ball game and saved the professors much embarrassment.

Signal Caller

The Montreal Monster, J. W. Sterling, will once again probably take up his place behind the plate from which vantage point he provides the brains and the brawn with which to blast the future alums. The Geology Department's pride and joy Big Stick Dick Jahns will probably provide the major portion of the batting power and solidify the infield.

Refuse Bid

As I said before the Seniors have in their own cowardly manner refused to accept the challenge. Mittenthal has been in hiding and refuses to issue any statement. Are you Seniors yellor dawgs or fighting men?

have drawn suits. But the big mystery is "Who is the undisclosed speedball artist who will take the mound come May 27?" The Hustler shut up like a clam, which I might say is rather out of the ordinary, when I pressed him for hints on the grey hope of the faculty's.

Contest Set

The date has been set for Thursday, May 27, at 4:15 p.m. and it is rumored that Harry E. will be here in person to toss in the first ball. It is hoped by the rest of the student body that at least nine Seniors will show up to fight for the honor of the undergrads.

SCIC TENNIS TILT

(Continued from Page 3)

Meanwhile here at Tech, the Scott Tennis Tournament is in progress to determine the best undergraduate tennis player at Caltech. The tournament results may be followed by checking the daily statistics in lower Throop.

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