

Rudin, Merten Tie For First In Conger Oratory Contest

Stone Judged Second; Winners to Share \$75 Prize Contestants Speak on Various Peace Problems

Last Friday morning Culbertson Hall resounded once more with the words of Conger Peace Prize orators. With Olly Gardner acting as chairman, the contestants presented orations as follows:

Ray Brow started the program with his oration entitled "Publican or Pharisee." He was followed by Bob Davis speaking on the subject, "Science and Peace." The third speaker, Bernard Rudin, gave strong arguments to support his contention that "There Will Be No Peace." Ulrich Merten, on the other hand, presented a very optimistic viewpoint in his "Power and Peace."

Understanding
Ralph Stone closed the meeting with a plea for better international understanding in his oration entitled "1916 Is Here Again."

The judges, who were Dr. McCreery, Mr. Dougherty and Mr. Wes Hershey, awarded a first place tie to contestants Merten and Rudin with second place going to Ralph Stone.

Split
The three winners will split \$75 in prize money which is derived from a gift made for this purpose by the Reverend Everett L. Conger in 1912.

Institutors Elect Fink And Polk

At a meeting of the Institutors Monday, Norm Fink was elected Chairman and Ted Polk Vice-chairman, while house representatives were chosen for the coming year: Dick Knipe, Ricketts; John Morrison, Fleming; Pete Howell, Blacker; and Bruce Robinson, Dabney.

This year's activities, which include such projects as constructing two new "Assembly Today" signs, painting posters, providing spotters for cross country track meets, fixing up the Pajamarino band truck, rejuvenating the bonfire area, and securing the platforms for the election rally as well as for the five school dance, were discussed along with plans for additional beneficial projects next year.

The duties of the Chairman will be planning activities and coordinating the house groups, while those of the Vice-chairman will be aid the Chairman and to take charge of publicity.

Music Committee Presents String Quartet Wednesday

The Music Committee is combining forces with the Assemblies and Lectures Committee to bring the New Art String Quartet to the campus Wednesday evening, May 11. The program begins at eight o'clock and will be given in Dabney Lounge.

The New Art Quartet is under the leadership of Germain Prevost, who was for many years, the violist in the famous Pro Arte Quartet. The program will include works by Haydn, Stravinsky, Milhaud and Beethoven. All faculty members and their families and friends are invited. There is no admission charge.

Campus Calendar

- THURSDAY, MAY 5—**
 - 12:30 Upperclass Lunch Club
 - 12:45 Throop Club Meeting
 - 7:15 ASCIT Board of Directors Meeting in Lower Fleming
 - 7:45 Dancing Class in Culbertson
- FRIDAY, MAY 6—**
 - 11:00 Winter Olympics Film in Culbertson
 - 1:30 Golf vs. Redlands at Redlands
 - 4:00 Swimming vs. Oxy at Oxy
 - Blacker Informal Open House
- SATURDAY, MAY 7—**
 - 1:30 Tennis: Varsity vs. Pomona at Pomona
 - Frosh vs. Pomona at Tournament Park
 - 2:00 Track: Conference Meet at Redlands
 - 2:15 Baseball: Varsity vs. Redlands at Tournament Park
 - Frosh vs. Redlands at Redlands
 - Blacker-Dabney-Throop Barn Dance
 - Fleming-Ricketts Formal Dinner Dance
- SUNDAY, MAY 8—**
 - 7:30 Caltech Musicals in Dabney Lounge

Student-Alumni Dance Scheduled

Both alumni and undergraduate students are invited to attend the Student-Alumni Gym Dance to be held Saturday, May 21, at the Altadena Country Club. The purpose of the dance is to publicize the fund for the gymnasium to be erected in Tournament Park, as well as to acquaint the students and the alumni with each other. All proceeds go to the gym fund.

Eddie Miller
The band featured will be that of Eddie Miller, which includes the well known performers Matty Matlock, Bud Hatch, and Stanley Wrightman. The dress will be sporty and informal and the bids go for \$1.80.

Pre Registration

Pre-registration for the Fall term will be from May 19 to May 27. The registration office wishes to emphasize that only 7 days will be allowed in which to register. Pre-registration material should be picked up in 119-A Throop by all students who plan to attend CIT next year. Those students not returning are asked to indicate so to the registration clerks. Registration day for Fall term is Sept. 26.

Christian Fellowship To Feature Talk By Dr. Wilbur M. Smith

The Caltech Christian Fellowship will present Dr. Wilbur M. Smith who will speak on "The Resurrection of Christ—Supernatural Miracle or Man-Made Myth?" at 11 a.m. in Culbertson Hall on Monday, May 9.

Dr. Smith is professor of English Bible at Fuller Theological Seminary and is well known among evangelical Christians as a Biblical scholar, writer, and speaker. He was a pastor for twenty years and later a teacher of English Bible at the Moody Bible Institute.

Dr. Smith is well qualified to speak to Caltech students on his topic because of his intimate knowledge of the scriptures and his extensive study of modern writings in theology and philosophy.

Film, Palomar Trip Scheduled By AIEE

A motion picture about the Mount Palomar Observatory will be shown Monday, April 9, at 11 a.m. in room 119 Kerckhoff. The picture will be of special interest to those planning to go on the Palomar field trip.

This trip is planned for Saturday, May 14, leaving the campus in the morning. For further information see the sign-up lists that will be posted in lower Throop, and next week's issue of the California Tech.

Speaker
Mr. Bruce Rule, the construction engineer on the Mount Palomar project, will give a short talk, after the picture, about some of the electrical aspects of the telescope control mechanism. Remember the picture starts promptly at 11:00.

Kenney Judged Winner At Reno Speech Contest

For the second consecutive year Caltech has captured first place honors in the ASME speech contest. For this accomplishment the credit goes to James Kenney, who received the fifty dollar prize with an additional hundred to be received later for a trip to San Francisco.

For his talk on "Improved Methods for Measuring Sewage Flow," Kenney drew on his own actual experience in this type of work, in which he was engaged during the summer. It was this fact along with the excellent organization and delivery which put him in first place over some experienced competition.

Hugh Carter, who spoke Saturday morning on "Improvements of the Lockheed Bump," had a somewhat shocking experience when he found his name printed on the program as Chairman for the afternoon speech session.

Second Year
Last year, Bill Seiden was the winner, which looks good for Tech as well as Professor Hollander, the student branch honorary chairman and the man responsible for coaching these two successive winners.

Thursday Date For McKinney Contest Orations

"The American Way of Life—A.D. 2000" will be the topic for the McKinney Prize Contest in English to be held next Thursday, May 12, at 11 a.m. in 206 Dabney. Those who have qualified as final contestants are: Irving Krumholz, William Pyle, Bernard Shore, and Robert Stubbins.

The top two winners, who will be judged on the quality of their essays as well as the effectiveness of their presentation, are entitled to receive a first prize of \$75 and a second prize of \$50. In addition all four contestants will receive a valuable book as a trophy.

Established at the Institute in 1946, the Mary A. Earl McKinney Prize Contest in English was created in order to cultivate proficiency in English.

Samuel P. McKinney, M.D., of Los Angeles, and a graduate of Rennselaer Polytechnic Institute founded the contest in memory of his mother.

Both Classes
This year's contest was open to all members of the Junior and Senior classes, and included as required reading Francis Bacon's "The New Atlantis," Edward Bellamy's "Looking Backward: 2000-1887," Bernard Shaw's "Back to Methuselah" and Aldous Huxley's "Brave New World."

All those interested are invited to attend the final judging of the contest.

Beavers Elect New Officers, Members

New officers and new members were the main items of business at the monthly Beaver evening meeting held last Wednesday. Walt Pfeiffer was elected president, Fred Wood became vice-president, Barry Schuyler was made secretary, and Danny Markoff was chosen keeper of the funds.

New Members
New members for next year were elected, and will be initiated some time soon. They are Bob Cobb, Bill Cox, Fred Drury, Rolf Erickson, Bill Freed, Stan Groner, Earl Hefner, Dick Jones, Dave MacKenzie, Tony Malanowski, Ulrich Merten, Howard Preston, Noel Reed, Bert Snider, and Kent Stratton.

E. C. Goldsworthy, Master of Student Houses, Dies Suddenly

LITTLE T . . .
In order to assure a complete list of Campus organizations in next year's Little T, the president of any club or group is requested to forward the following information to the editors. List the name of your organization and its officers. This information may be left in Ricketts or Blacker mailbox in care of Richard Smyth or Carl Hilda-brand respectively or in lower Throop.

Administration, Faculty, Students Join In Mourning Campus Figure Rube Mettler Appointed As Acting Master Of Student Houses For Remainder Of Term

The sudden death of Colonel E. C. Goldsworthy last Saturday morning came as a shock to those many students who knew him well. Colonel Goldsworthy, who was Master of the Student Houses, Chairman of the Board of Directors of the Caltech Y, and an Assistant Professor of Mathematics, died at 5:30 a.m. last Saturday morning at the Huntington Memorial Hospital where he was taken after an attack a few hours earlier.



Col. E. C. Goldsworthy, familiar figure on the Caltech campus for the past three years. Master of the Student Houses, Chairman of the YMCA Board and friend to all students, before his sudden death last week.

"The Administration, Faculty, and students join together in mourning the passing of E. C. Goldsworthy," stated President DuBridge. "The 'Colonel' had, during the past three years become a much beloved campus figure.

New Era
"Though he was a highly successful teacher in the Mathematics Department he will always be remembered most vividly on the campus for his work as Master of Student Houses. The coming of Mr. and Mrs. Goldsworthy to Arden House ushered in a new era in the history of the campus Student Houses. His kindly and wise handling of Student House affairs, his sincere desire to make the Houses self-governing responsible units, his deep appreciation of student attitudes, problems, and desires, the ever-open door of his home in Arden House, all contributed to his winning an irreplaceable spot in the hearts of Faculty and students. Incapacitated though he was, as the result of wounds received in World War I, he carried on cheerfully and happily, sparing himself only on the insistence of others," President DuBridge said.

Three Years at Tech
Colonel Goldsworthy received his AB in Math at the University of California in 1923 and his PhD there in 1928. He was Assistant Dean of Undergraduates and Assistant Professor of Mathematics at the University of California for a number of years before he came to Tech. He was appointed Master of the Student Houses and Assistant Professor of Mathematics at Caltech in the Spring of 1946.

Colonel Goldsworthy started his army career by joining the Princess Pat Regiment of the Canadian army in 1914. He later served as a pilot in the Royal Flying Corps. In World War II he served as a lieutenant colonel in the Air Forces in charge of instruction in the School of Applied Tactics at Orlando Field, Fla.

He is survived by his wife, (Continued on Page 6)

Student Chapter Of ASCE To Play Host To Senior Section

The most important meeting of the year for the Student Chapter of the ASCE will be held on campus Wednesday night, May 11, when the Chapter plays host to the Los Angeles Section of the ASCE.

It will be a busy afternoon and evening for the members of the Chapter, who will guide the senior members around the campus during an open house from 4 to 6 p.m., play host at dinner in the Athenaeum, and then present a program in Culbertson Hall, built around the story of Mount Palomar, to round out the evening program.

Scale Model
The open house will afford an opportunity to see the scale model of the 200-inch giant, which was built on the campus to study control mechanisms for the telescope, supplemented by demonstrations in the soil mechanics laboratory, the Geology building, at the analog computer, and the Guam Harbor scale model.

President
This year's meeting will be an especially distinguished one for the Chapter in view of the fact that Dean Franklin Thomas is National President of the Society. It is the hope of the student officers that this meeting will be a notable one, and to achieve this end, they ask all of the members, who are desirous of helping, to contact Chuck Forester, Max Kreston, Ray Davis, or Abe George. Guides for the afternoon open house are particularly needed.

(Continued on Page 6)

Upperclass Garden Party Huge Success

The last item on the order list appeared in a clear sky last Sunday afternoon, when the sun filtered through the trees in Dabney Gardens upon some three hundred and fifty persons gathered there for the annual Junior-Senior Garden Party.

Annual
The combination of beautiful ladies, beautiful flowers, a picket fence, tasteful refreshments, and Hal Lomen's smooth dance music was enough to convince even the most skeptical that the affair is worthy of re-establishment to its pre-war status as an annual event.

Committee
The Garden Party Committee, headed by Bob Stewart, ably assisted by Jay Linderman, Bill Palmer, Jack Marshall, Barry Schuyler, Byron Karzas, Bob Pilling, Dick Bennett and many others, worked diligently to assure the success which resulted.

Help
The list of persons who helped immeasurably in the preparations for the party is as long as it is distinguished. There is not room enough here to mention all, but Bob Stewart wishes to thank all who helped, and desires especially to acknowledge the kind and gracious assistance of Mrs. Goldsworthy and Mrs. Sturde. Then last, but not least, our sincere thanks go to indefatigable Sue Huck and to Mr. Green of the Student Houses, as well as to Benny, Conrad and Emil of the refreshment group.

The success of the dance is a testimonial to all of those who helped. Its establishment as an annual affair seems assured.

ASCE Hears Talk On Concrete Structures

The Student Chapter of the ASCE spent another busy day last Monday when, in the morning, they heard Mr. Sam Hobbes, of the Portland Cement Association, speak on the subject "Quality Concrete in Building Construction," and in the afternoon, they visited Wailes-Bageman Co., in Los Angeles.

City Government
The attention of all members of the Chapter is called to the regular meeting next Monday morning in 208 Throop, 11 a.m., when Mr. Don C. McMillan, City Manager of Pasadena, will speak on "Engineers in City Government." All interested are invited to attend. In the afternoon, another field trip is scheduled to Bowen, Rowe Rule and Bowen, in Los Angeles, where flat slab deflection measurement processes will be demonstrated, and an opportunity will be presented to visit the huge Metropolitan Life Insurance Housing Project, where flat slab construction processes on the job will be viewed.

The California Tech

Published every Thursday during the college year except during examinations and holiday periods.
CALIFORNIA INSTITUTE OF TECHNOLOGY
 1201 East California Street, Pasadena, Calif.

Subscription rates \$1.50 per year

Entered as second-class matter Nov. 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.

Offices: Lower Fleming
 Telephone: SYcamore 6-7121 Ext. 180

Jim Hummel, Editor

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THURSDAY, MAY 5
 LOHENGRIN—PRELUDE TO ACT 1, by Wagner. NBC Symphony Orchestra conducted by Arturo Toscanini (8).
 RUSTIC WEDDING SYMPHONY, by Goldmark. Columbia Broadcasting Symphony conducted by Howard Barlow (39).
 WANDA LANDOWSKA, Harpschordist. Goldberg Variations, by Bach (49).
 CONCERTO FOR ORCHESTRA IN D MAJOR, by Karl Philipp Emanuel Bach. Boston Symphony Orchestra conducted by Serge Koussevitzky (16).

FRIDAY, MAY 6
 Weekly Feature Concert—A Program of New Recordings
 THE BARTERED BRIDE—OVERTURE—POLKA—DANCE OF THE COMEDIANS, by Smetana. Royal Philharmonic Orchestra conducted by Sir Thomas Beecham (16).
 SYMPHONY No. 3 IN A MINOR (Scott), by Mendelssohn. Chicago Symphony Orchestra conducted by Artur Rodzinski (32).
 CONCERTO FOR FLUTE, HARP AND ORCHESTRA IN C MAJOR (K. 299), by Mozart. Rene LeRoy, Flutist. Lily Laskine, Harpist. Royal Philharmonic Orchestra conducted by Sir Thomas Beecham (24).
 DON JUAN—TONE POEM, by Richard Strauss. Boston Symphony Orchestra conducted by Serge Koussevitzky (16).
 POEM OF ECSTASY, by Scriabin. San Francisco Symphony Orchestra conducted by Pierre Monteux (16).
 THE QUEEN OF SHEBA—Ballet Music, by Goldmark. Boston "Pops" Orchestra conducted by Arthur Fiedler (9).

SATURDAY, MAY 7
 OTELLO, by Verdi. Soloists, Chorus and Orchestra of La Scala, Milan, conducted by Carlo Sabajno.
MONDAY, MAY 9
 LEONORE OVERTURE No. 1 IN C MAJOR, by Beethoven. B.B.C. Symphony Orchestra conducted by Arturo Toscanini (8).
 SYMPHONY No. 2 IN C MAJOR, by Schumann. Minneapolis Symphony Orchestra conducted by Dimitri Mitropoulos (37).
 ARTUR RUBINSTEIN, Pianist.
 CONCERTO No. 1 IN E FLAT MAJOR FOR PIANO AND ORCHESTRA, by Liszt. Dallas Symphony Orchestra conducted by Antal Dorati (16).
 THE TWENTY-FOUR PRELUDES, by Chopin (32).
 ISLE OF THE DEAD—SYMPHONIC POEM, by Rachmaninov. The Philadelphia Orchestra conducted by Sergei Rachmaninov (19).
TUESDAY, MAY 10
 BEATRICE AND BENEDICT—Overture, by Berlioz. Liverpool Philharmonic Orchestra conducted by Basil Cameron (8).
 SYMPHONY No. 1 IN G MINOR (Winter Daydreams), by Tchaikovsky. Indianapolis Symphony Orchestra conducted by Fabien Sevitzky (41).
 NATHAN MILSTEIN, Violinist.
 CONCERTO IN E MINOR FOR VIOLIN AND ORCHESTRA, by Mendelssohn. Philharmonic-Symphony Orchestra of New York conducted by Bruno Walter (24).
 DIVERTIMENTO No. 10 IN F MAJOR (K. 247), by Mozart. The Philadelphia Orchestra conducted by Eugene Ormandy (19).
 THE FIREBIRD SUITE, by Stravinsky. NBC Symphony Orchestra conducted by Leopold Stokowski (19).
WEDNESDAY, MAY 11
 ROMEO AND JULIET—Overture Fantasia, by Tchaikovsky. NBC Symphony Orchestra conducted by Arturo Toscanini (20).
 SYMPHONY No. 2 IN B FLAT MAJOR, by D'Indy. San Francisco Symphony Orchestra conducted by Pierre Monteux (40).
 FERRUCCIO TAGLIAVINI, Tenor (32).
 CHE GELIDA MANINA FROM LA BOHEME, by Puccini.
 LAMENTO DI FEDERICO FROM L'ARLE-

CAMPUS BREWINS

NEWS ITEM: GETTYSBURG

Disturbing news of revolt and uprising reached our hyper-sensitive noses last week and we set out to discover the earth-shaking significance of it in Long Middle Alley, Ricketts. We discovered to our horror an evil new festering of underground Confederate Army activity, blatantly proclaiming its existence to the world with office signs depicting its vast military organization, and a pugnacious string labeled Mason-Dixon Line stretched across the center of the alley. Gingerly breaking the cord, we were instantly met with a frenzied volley of shots from stirrup pumps and barely escaped with our Yankee lives.

As this served to whet our curiosity, we went to the dictionary and found an edifying definition of "Ricketts: a disease of early childhood, characterized by alterations in the bones. . . The head becomes square and bulky and often the spinal column and long bones are bent."

BOLSHEVIKI
 Further unquiet was noted in the revolutionary and bacchanalian debauchery masquerading under the title of Mayday celebration for Dabney Pinks Saturday night. We stuck our heads into the Dabney Workers' Party and were struck by the flaming, sun-abused face of Bob Waters (voted the Red Square) peering over a new shoulder—this one from Schmipps. He has evidently increased his operating radius by a factor of about 4.1. The tone of the evening seemed to be pretty well set by a sign on the wall: "Boozalle—Admission by Permission—Emission by Fission."

Accolades for the shortest, most alluring skirts, et al., go to the dates of Ed Worrell and Bruce Hedrick. There's something we'd like to see more of, and the new look be d—d! Royce, when asked the significance of his fatigues, combat boots, and steel helmet, replied, "Well, it's a Workers' Party, and this is the only job I ever could

hold more than two months." He was voted the man most likely to succeed himself.
BORSCHT
 At halftime activities was a suspiciously familiar-looking group called the Borscht Unstrung Quartetski; one member missing, however, having been banned to the Whittier salt mines for activities of last weekend. Hedrick, subbing for him, seemed so out of place: Hedrick can sing! Hedrick disappeared later in the evening and snakes in his alley heard the muffled sounds—of all things!—of a trombone coming from his room. Some have etchings, some have trombones, some have . . . but you all know.

Paul Fuller was distinguished by having the date with the most bourgeois-length skirt. Spat! Commissar King's contribution to the festivities was made in form of a wild, Russki square dance—with Ural Mountain music, and Yetta Samovar stroked her mustache approvingly. A charmingly proletariat evening was had (a broad use of the word) by all.

BOURGEOIS
 His eyes deep sunk, his hands shaking, Muehlberger appeared in Dabney the other night for dinner. The ravages of writing a thesis and putting his neck in the noose to the East were written across his petite face. Dedicated to Sultan Muehlberger are these lines scrounged from the "Rubaiyat":
 "And, lo, the Hunter of the East has caught
 The Sultan's turret in a noose of light."
 Muehlberger responded properly to the nutritious student-house dinner by dropping a potato in Wood's milk, floating Young, and stuffing a piece of cake down Ray Brow's throat (externally). There may still be a spark of life in the old boy.

POINT
 Friday night the men of San Pasqual exchanged their talents with women of indeterminate (Continued on Page 6)

Who Dealt This Mess

By Carl Fox

Par for this week's hand is the bidding and making of game by East-West. To bid the game is fairly simple but the making of the contract presents certain difficulties.

S	10	8	7	6	5	4	2
H	8	3	2				
D	8	3	2				
C	A	6	3				

S	K	Q	W				
H	K	7					
D	A	9	7	6	4		
C	9	8	5	2			

S	A	J					
H	10	8					
D	K	Q	J	10			
C	10	7	4				

West dealer, neither side vulnerable.
 The suggested bidding is

W	N	E	S
1D	1S	2H	3P
2NT	P	4H	Dbl.

It is quite possible that South will double, thereby helping Declarer by warning of the poor trump split. But East should make the contract, even without this help. Only the massing of the four outstanding trumps in one hand can defeat the contract, since two trump tricks can safely be lost.
 The use of an end play will permit the making of the contract, even with a 4-0 trump split, provided that Declarer can shorten his trump suit enough to permit the successful execution of the play. So, assuming the worst, East embarks.
 Since it is necessary to eliminate several trumps from East's hand, the Diamond suit must be attacked immediately. If the opening lead is a Spade, the Ace should win and the Diamond five led to the Ace. If a Diamond, then the Ace is taken. In either event a small Diamond is then ruffed in the closed hand. Now an experimental Heart is led to the King and the bad news is confirmed. Another small Diamond is ruffed in the East hand, reducing Declarer's trumps to four. At this point the remain- (Continued on Page 4)

The Front Burner

Prediction of things to come:
 The next American movie hit will be a semi-documentary crime and espionage story about a deaf girl who goes on a gold mining expedition in war-torn Italy.

Seriously, though, Hollywood has been put to shame by shoe-string budget "realistic" films like "Treasure of Sierra Madre," "Paisan," and now, "The Quiet One," produced by eastern amateurs.
 "The Quiet One," playing at the Beverly Canon Theatre, is a semi-documentary about the rehabilitation of ten year old Negro delinquent boy, John Peters.

The camera, following John through Harlem's slums, aimlessly, lonely, wandering for lack of anything else to do, is the means by which the sympathy of the audience is enlisted rather than the sometimes over-moralistic preaching commentary.
 As an engrossing character study, as an expose of social conditions, and as a dramatic story, "The Quiet One" surpasses anything Hollywood has turned out for the past few years.
 "The Quiet One" is the type of film means for moving pictures; don't miss it.

Illegitimate
 Now, turning to the purportedly legitimate theatre (Although we hate to hurt an old man's feelings) Percy Mackaye's Hamlet tetralogy as the Pasadena Playhouse was rather the bastard offspring of Shakespeare's Hamlet and Mackaye's idea as to what Elizabethan blank verse and a Prologue to Hamlet should be.
 Perhaps the most appropriate remark was uttered by one of the local bourgeoisie, sitting a row in back of us, to her consort: "If you want to sleep go back to the car." However the Pasadena old folks (the region is nothing but a modern American Elephant's graveyard) applauded dutifully at appropriate intervals to show that kultur is not lost on them.

77 DU PONT FELLOWSHIPS* MADE AVAILABLE TO GRADUATE STUDENTS

Again in the academic year 1949-50, the Du Pont Company is awarding post-graduate and post-doctorate fellowships to universities throughout the country.

This is a continuation of the company's 30-year-old plan to encourage advanced studies in the fields of chemistry, physics, metallurgy, and engineering.

It is hoped that the plan will continue to help maintain the flow of technically trained men and women who will go into teaching and research work at the universities and into technical positions in industry. Some of

What Fellowships Provide

Each post-graduate fellowship provides \$1,200 for a single person or \$1,800 for a married person, together with an award of \$1,000 to the university towards tuition and fees. Each post-doctoral fellowship provides \$3,000 for the recipient and \$1,500 to the university.

them, as in past years, may come to work for Du Pont when they finish their studies, but there is no obligation to do so; fellowship holders are free to enter any field of activity they choose.

The students and their research subjects will be selected by authorities of the 47 universities participating. In this year's program, 45 of the post-graduate fellowships are in chemistry, 4 in physics, 15 in chemical engineering, 5 in mechanical engineering and 2 in metallurgy. There will be 6 post-doctoral fellowships as an incentive to those who would prefer to remain in academic work in order to obtain additional advanced training in chemistry.

Caltex participates in the Du Pont Company Fellowship Plan.



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DU PONT Digest

For Students of Science and Engineering

TEN UNIVERSITIES TO BENEFIT BY GRANTS FOR UNRESTRICTED FUNDAMENTAL RESEARCH

With a view to stock-piling basic knowledge, the Du Pont Company has announced a program of grants-in-aid for the college year 1949-50 to 10 universities for unrestricted use in the field of fundamental research in chemistry.

The grants-in-aid of \$10,000 each are to be used for research that has no immediate commercial goal. The universities themselves are to select the projects in which the grants will be employed, and results of the research are to be freely available for publication.

HOW FUNDS WILL BE USED
 Du Pont's purpose in offering the grants is to help insure the flow of

fundamental knowledge in science upon which the future industrial development of our country is so dependent. It is intended that the funds be utilized for such expenses as employing additional research personnel or lightening the teaching load of a professor who is eminently capable of research of a high order. They may also be expended for the purpose of obtaining supplies, apparatus or equipment.

GRANTS ARE EXPERIMENTAL
 This program of grants-in-aid is largely experimental. However, it is Du Pont's hope, should the program work out satisfactorily, to continue each grant for a period of five years.

Four of Many Outstanding Du Pont Fellowship Winners



Dr. Wendell M. Stanley, at University of California, is Chairman of the Department of Biochemistry in Berkeley and in the Medical School at San Francisco; Director of the Virus Laboratory. Bachelor's degree at Earlham College, 1926; M.S. at Illinois, 1927 and Ph.D. in Organic Chemistry, 1929. Honorary Doctor's degrees from five prominent American universities and the University of Paris. Has received more than 10 medals and awards for distinguished work in chemistry and biochemistry; recipient of the Nobel Prize in Chemistry in 1946. Du Pont fellow at Illinois in 1928-29.

Dr. Carl S. Marvel, Professor of Organic Chemistry at the University of Illinois since 1930, received his A.B. at Illinois Wesleyan University in 1915; A.M. at Illinois, 1916 and Ph.D. in Organic Chemistry, 1920; Sc.D. (honorary) at Illinois Wesleyan, 1946. President American Chemical Society, 1945; Director 1944-46. Has received numerous honors

such as the Nichols Medal and memorial lectureships at outstanding universities. Du Pont fellow at Illinois in 1919-20. Consultant on Organic Chemistry to the Du Pont Company at present.

J. Frederic Walker is a Research Supervisor on formaldehyde products in the Electrochemicals Department. Trained at Massachusetts Institute of Technology. Awarded Bachelor's degree in Chemistry, 1925; Master's degree 1928, Ph.D. in Organic Chemistry, 1929. Author: "Formaldehyde Chemistry," "Organic Chemistry of Sodium," "History of Chemistry." Du Pont fellow in 1926-27.

Frank S. Fawcett is now doing synthetic organic research with Du Pont's Chemical Department. Received Bachelor's degree in Chemistry, Furman University, 1940; Master's degree, Pennsylvania State University, 1944; Ph.D. in Organic Chemistry, Massachusetts Institute of Technology, 1948. Du Pont fellow at M.I.T. in academic year 1947-48.

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Secretary's Report

As you have no doubt noted in past issues of the paper, the column "Shaving From the Board" has been omitted and in its place this editorial has appeared. You no doubt wonder why this change was made and what is the purpose of this new form of the Secretary's report.

The previous secretaries' reports each week have been merely a rehash of the minutes of the Board meetings, stating all the minor and, for the most part, uninteresting business that had been discussed. Like the "Shavings," this new column will keep the Student Body posted on all resolutions passed on by the Board, but its prime purpose will be to present only the main issues that are of chief concern to the Board at the time.

By informing the Student Body as a whole that such issues are under discussion, it is hoped that some interest will be stimulated so that people will give their opinion to Board members individually or, perhaps, make a visit to a Thursday night meeting and take part in the discussions. All are always cordially invited to do so. In this way the Student Body can help the Board as well as the Board help the Student Body.

Often times the Board is on a fence as just what to do in a situation which affects everyone merely because there has been inadequate response from the Student Body to make a representative decision. Therefore this column hopes to inform you as to just what the campus trends are so that you will have an opportunity to voice your opinions about anything the Board is considering. If the Board knows your thoughts on matters, it can do a better job, benefiting everyone.

In most cases, the information that will appear in this column will be of prime interest to anyone who is at all interested in Caltech student affairs. I hope that it will be well read, and that more people will take an active part in Board activities than have in the past.

Gym Fund Dance

The Alumni Association for some time has been trying to raise money for the gym to be built in Tournament Park. With the hope of helping out in the situation, Bill Freed, First Representative, is making plans now for the next ASCIT dance to be a benefit for this fund. It will be an Alumni-Student affair—at the Altadena Country Club—dress to be "informal-sport"—dancing to Eddie Miller's Orchestra. It is not only hoped that a substantial contribution to the Gym Fund can be raised, but also that a closer student-alumni relationship will be encouraged. The affair is worth looking forward to.

—Ollie Gardner

Clinton Judy To Retire From Forty Year Career At Caltech

Oxford Graduate Looks Back On 26 Years As Head Of Humanities

After forty years of developing a new idea in the education of the scientist and engineer, Professor Clinton K. Judy will retire as chairman of the Humanities division this summer.

Caltech (then called Throop Polytechnic Institute) was a 34-pupil normal school set in a grove of orange trees when Mr. Judy first came here in 1909 from his graduate work at Oxford.

New Idea

The new idea broached to him by the trustees—the broadening of the future scientists' and engineers studies and outlook by a required course of Humanities—was to be the guiding light for the program in the Humanities.

The following four decades saw the expansion of Throop Polytechnic Institute into one of the world's foremost scientific institutions, Caltech, under the leadership of Dr. Robert Millikan, Dr. Alfred Noyes, Dr. George Hale, and Dr. William Munro.

The expansion of the institute also saw the growth of the Humanities department. In 1923 Professor Judy was appointed the first chairman of the Humanities division. The next milestone was the gift of Dabney Hall, in 1928. According to Mr. Judy it "gave the Humanities a place of its own."

40 Years at Helm

Through the following years, new teachers, new courses, and new ideas were added to the Humanities program. Now, after forty years at the helm, Professor Judy looks back on his work "as a wonderful experience teaching and working with the men of Tech."

In an interview for the California Tech, Mr. Judy here gives his views on the accomplishments and aims of the Humanities.

"Our aim was prescribed from

the very beginning: to remedy the defects that come from over-concentration of studies," Mr. Judy explained. "The broad expansion of a man's culture improves him as a member of society, as a member of his profession, and as a person."

Accomplishments

Although it is "sometimes a little hard for a man to get in all of his work," graduates have always expressed their appreciation for the liberalizing influence of the Humanities in later years, Mr. Judy said. "The Humanities program has always received the approval of the Board of Trustees and the thanks of the graduate."

President Lee A. DuBridge, and Dr. Robert Millikan both joined in a salute to Professor Judy on his retirement.

President DuBridge's statement:

"The California Institute of Technology takes pride in honoring Professor Clinton K. Judy, professor of English, and Chairman of the Division of Humanities, upon the occasion of his retirement after forty years of active service with the Institute.

"Professor Judy's services to the Institute have been distinguished, indeed. He has played an important and continuous part in the building up of the Humanities Division at the Institute and in making the work in Humanities an important part of the Institute's program.

"The Institute has long recognized that the teaching of non-scientific subjects is accomplished effectively, not by requiring certain numbers of courses, but by providing an outstanding Humanities curriculum and having an outstanding group of scholars

FORTY YEARS AT TECH



Professor Clinton K. Judy, for twenty-five years Chairman of the Division of the Humanities, will retire at end of this term.

and teachers on the staff.

"Professor Judy's broad scholarly interests, his keen appreciation of the abiding values to be found in the field of Humanities, and his deep interest in his students, have all been outstanding.

"We all expect, however, that Professor Judy will still remain a familiar figure around the Institute campus and will continue some of his teaching duties. I am sure that all members of the Student Body and of the Faculty join in a warm-hearted salute to Professor Judy on this occasion."

Dr. Millikan's statement:

"The retirement on account of advancing years and diminishing strength of Clinton K. Judy makes a change in the atmosphere of C. I. T. which will be keenly felt by students and faculty alike.

"He has been an indispensable part of the Institute from the

earliest beginnings,—for the staff members an infallible referee on everything pertaining to literature, for the students the effective and beloved teacher who gathered them around him in his wonderful library and gave them hours of pure delight as he read charmingly from his favorite authors and talked with them about great books"

New Chairman

The new chairman of the division will be Dr. Hallet D. Smith, formerly professor of literature at Williams College. In 1947 and 1948 Dr. Smith worked as a Guggenheim fellow at the Huntington Library, doing research on Elizabethan non-dramatic poetry.

Professor Judy, speaking for the faculty, said, "We are looking forward with a great deal of pleasure to Dr. Smith's arrival."

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Newsworthy Notes for Engineers



Ingenuity scores with "Ping Pong Balls"

A novel use of plastic spheres, looking for all the world like ping pong balls, has been made by engineers at Western Electric—manufacturing unit of the Bell Telephone System.

Formerly, when piece parts were immersed in this 45-foot tank to receive protective coats of chromium, the surface of the liquid foamed up—gasses were given off—the solution was dissipated. How to conserve the expensive chromic acid plating solution was the question.

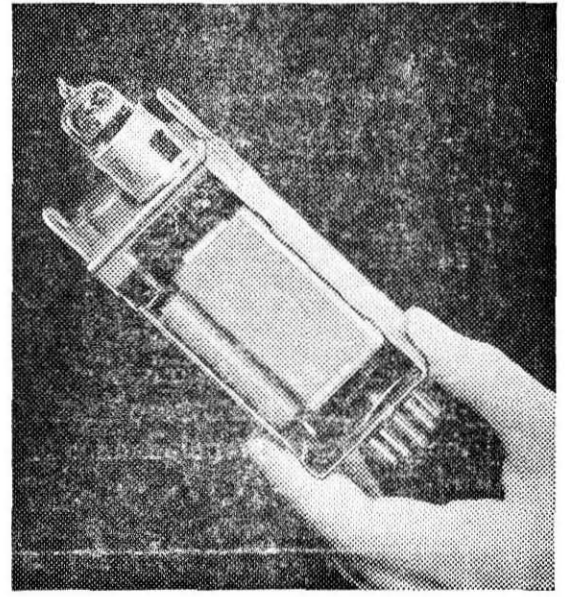
An ingenious answer was found by Western's engineers—special "ping pong balls" made of an almost non-inflammable plastic. With some 10,000 of them crowding the surface, the solution gets little chance to weaken itself by foaming up.

Voice Lifter

Important among recent additions to Bell telephone apparatus is the V-3 Repeater—a combination of two amplifiers used to give weakened voice currents a "lift" on long distance telephone circuits.

When the development of an improved amplifier was initiated by Bell Telephone Laboratories, engineers at Western Electric were asked to help perfect the design for economical production in large quantities. They contributed much to simplified design, planned a new production line, new tools and techniques, new testing equipment. Result: an amplifier 1/6 the size of its predecessor, costing considerably less, and one that—in case of failure—can be replaced in a matter of seconds.

This is another example of how Western Electric engineers help make Bell telephone service the world's best at low cost.



Engineering problems are many and varied at Western Electric, where manufacturing telephone and radio apparatus for the Bell System is the primary job. Engineers of many kinds—electrical, mechanical, industrial, chemical, metallurgical—are constantly working to devise and improve machines and processes for production of highest quality communications equipment.

Western Electric

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First Tri-House Barn Dance Set Saturday

Rugged Mountain Oaks will be the scene of one of the largest and most memorable mountain parties in many an era next Saturday eve, when men and their dates from Blacker, Dabney and Throop congregate at the first official tri-house barn dance in years.

Crews

Crews from the three groups have spent hours upon hours in hearty practice for the gigantic crew race which will be the highlight of the evening activities. For those in Throop who have yet to be introduced to Mountain Oaks, Lowell Cockell has some excellent cartography to aid in discovering the well-hidden rendezvous. The evening begins officially at 8:30, and will probably cease at midnight.

Dabney Holds May Day Workers' Party

Dabney's colors changed temporarily from green to red last Saturday night, but not in honor of its neighbors to the North. The occasion was the approach of the First of May, which brought the Darbs out of the underground for their traditional Workers' Party, in celebration of May Day.

Proletariat

Proletariat costume, with dresses above the knees, was the order of Commissar of Clothing, Boris Hedrick, but some of the guests revealed reactionary bourgeois sentiments, and successfully resisted all attempts of the Commissariat to enforce the decree.

Games and sports, led by Commissar Beek in honor of The Day, included bottle leading, and a string-tying contest, in which the Hammers were victorious over the Sickles. Also featured was the Unstrung Quartet, who sang a tribute to D. Giovanski. The evening was rounded out with Red-Square dancing, called by Dick King.

Fleming, Ricketts Have Hayday Dance

Joyously abandoning their road maps and radar sets necessary to find the place, couples in rustic regalia arrived at the Doherty's lodge in La Canada last Saturday evening for the annual Ricketts-Fleming Barn Dance.

Legs were shaken to the smooth rhythm of Eddie Jackson and his sextet.

Ricketts triumphed in the flame eating contest, turning in three class A tipples. An upset crew race went to Fleming. Elbow bending was not restricted to the contestants only, mucha cerveza being consumed by the peons also.

Mrs. Doherty was unanimously voted Queen of the Day for her untiring efforts to stuff everyone with ham sandwiches and popcorn.

CALTECH BARBERS

on California Near Lake

Ricketts, Fleming To Hold Dinner Formal

The traditional highlight of the spring social season, the Ricketts-Fleming Formal Dinner Dance will be held this Saturday amid the olive trees of the patio between the two houses.

The dinner will begin at eight o'clock, followed by dancing to the music of Verne Rowe and his orchestra.

The affair, held under a starlit atmosphere, should prove to me one of the best parties of the year.

Robert E. Waldron Is Commissioned In Naval Reserve

It was announced lately by Captain L. E. Gehres, Director of the Office of Naval Officer Procurement, Los Angeles, that Robert E. Waldron was commissioned a Lieutenant (junior grade) in the United States Naval Reserve. Lieutenant Waldron graduated from the University of Michigan in 1942 and is at present attending Caltech, as a graduate instructor in chemistry.

WHO DEALT THIS MESS?

(Continued from Page 2)

der of the play is clearly indicated.

Declarer has, at this point, lost no tricks. He stands to lose the Club Ace. Consequently, if the contract is to be made, not more than two trump tricks can be lost. To avoid losing three tricks to the A-J-10 behind the Queen, a throw-in is indicated. For this to be successful, South's hand must contain no exit cards at the time he is thrown in. Consequently it must be assumed that South holds another Diamond and three Clubs. A quick count of the hand shows that this is probable.

At this point the Club suit must be attacked. North will win with the Ace and has no good lead. If he returns a Spade it is taken on the board and the last Diamond led and ruffed. If a Club, it is taken, the third Club run, entry to the board obtained with the Spade, and the last Diamond is ruffed. Now a small Heart is led, South winning. South must now lead from the A-J up to the Q-9 permitting the Queen to win the contract fulfilling trick.

For next week, consider

S 9 6 N	
H A Q 10 5	
D A J 9 5	
C 9 6 2	
	W
S 10 7 4	H A Q J 5 3
H K 9 6 3 2	H 7 6 4 2
C A K 10 5 4	C Q J 3
	S
S K 8 2	
H 8 7 4	
D K Q 10 8 3	
C 8 7	

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Life Guards Wanted For Summer Work

With the summer beach and swimming pool season approaching, the Los Angeles City Recreation and Park Department is looking for husky swimmers to work as pool and beach life-guards, according to a new Civil Service bulletin.

Eligible Men

The pool guard jobs will be open to men and women over 18 years of age who can meet the physical qualifications and pass civil service tests for swimming ability and knowledge of rescue work and first aid. The pay will be at \$1.15 per hour.

Beach guard work, being more rugged, is open to men only. The pay rate is \$1.21 per hour.

Applications

Good swimmers of California colleges and junior colleges are among those who can usually qualify for these summer vacation jobs. Applications must be filed by Thursday, May 12, at 5 p.m. at Civil Service offices in the Los Angeles City Hall.

Tests have also been announced for men and women recreation directors to work at the playgrounds of the Los Angeles City Recreation and Park Department. Last date for filing for these jobs is Tuesday, May 10, at Civil Service offices in the L.A. City Hall.

Gad!

It takes a mother twenty-one years to make a man out of her son and it takes another woman just one night to make a monkey out of him.

Tennis Team Wins Sixth Straight As Whittier Falls 7-2

Yes sir, they did it again! Those varsity netters went out last Saturday and walloped Whittier to the tune of 7-2 for their sixth consecutive victory in conference play. All that is required to clinch the title is one more win over the Pomona racquet-wielders. The Lamb men face the Sagehens on their courts this Saturday. That all-important match is likely to be a thriller, since the last time they tangled, the Beavers just gained the edge by a 5-4 count.

Stone Wins

Against Whittier, the Engineer netmen went to work with a vengeance and swept all six singles events to assure the victory. In the closest match of the day Sid Stone downed Claire Krueger at first single 10-8, 7-5. Stone was effective with well-placed passing shots and outsteaded his opponent in many long rallies from the baseline. Ed Alexander strengthened in the second set, after a close battle in the initial stanza, to win 6-4, 6-2 over Dave Kreuger. Larry Nobles showed his best form of the year and had little trouble disposing of Larry Tilton by scores of 6-1, 6-3. Larry deserves much credit for winning this match after having such trouble with his game for the last few matches. A potent serve and some very fine volleying proved too much for Chuck Phillips as Jack Martin, playing an excellent game, won 6-2, 6-3. Steady Jack Poindexter continued his unblemished record with a 6-1, 10-8 triumph over Clarence Hamilton, while Dean Blanchard edged Jerry Rouzer in a three set battle 6-4, 4-6, 6-3. The

Swimmers Drown Hens 46-29 With Ease; Oxy Next

The swimming team did its share in last weekend's winning spree for Tech teams by defeating Pomona 46-29. This was about the best meet for our team this season. The times turned in were nothing special but the teams were somewhere nearly evenly matched. After the backstroke with only three more events to go the score was tied, 25 all. Of the next 25 points, Tech got all but 4 and put the meet on ice. The frosh were upholding their reputation as the favored team in the conference meet by winning over Pomona's frosh 24-10.

Conference Meet

The results of this Pomona meet and Oxy's meet with Redlands last Friday bodes ill for Tech's hopes of an upset in the conference. It looks like Pomona might get some of the points that we had counted on and the trial scoring was so close that each point counts. Our chances in the conference will be clearer tomorrow when we meet Oxy in their own pool at 4:00. This meet will be the preview for the conference meet a week from Saturday also at the Oxy pool.

double duo of Stone and Nobles gained an easy victory of 6-4, 3-6, 6-1, to conclude the match.

Box Score

Sid Stone (CT) def. Claire Krueger (W), 10-8, 7-5; Ed Alexander (CT) def. Dave Krueger (W), 6-4, 6-2; Larry Nobles (CT) def. Larry Tilton (W), 6-1, 6-3; Jack Martin (CT) def. Chuck Phillips (W), 6-2, 6-3; Jack Poindexter (CT) def. Clarence Hamilton (W), 6-1, 10-8; Dean Blanchard (CT) def. Jerry Rouzer (W), 6-4, 4-6, 6-3; C. Krueger and D. Krueger (W) def. Martin and Alexander (CT), 6-2, 7-5; Stone and Nobles (CT) def. Rouzer and Hamilton (W), 6-4, 3-6, 6-1; Dick Diehl and Tilton (W) def. Blanchard and Poindexter (CT), 8-6, 6-1.

Spring Is Here--Andy's Gridders Back For More

Spring officially opened last Monday when pigskin tutor Andy Anderson took down his whip from the fieldhouse attic to initiate Spring football practice. Andy's right-hand man Pete Mehlinger was on hand to show potential linemen (and Berner) a few things about the blocking and tackling game.

With thirty men turning out this week, Andy expects from 40 to 50 candidates following next week. The mentor said cautiously in an exclusive Tech interview this week "We still have hopes, but it is too early yet to tell." Ten lettermen greeted Andy's call or will soon come out. They are Don Baker, Roland Berner, Jim Blom, Odell Carson, John Lewis, Craig Marks, Chuck Norman, Noel Reed, Jim Schofield and Art Miller.

Reserves from varsity and frosh last year: Charles Bates, Chuz Howard, Taylor Joyner, Bob Munro, Dallas Peck, Neal Pings, John Reeds, Don Schmid, Howell Tyson, Jim Wilcox, Norm Schroeder, Al Sereno and Edsel Worrell.

Frosh numeral men: Ray Destabelle, Dick Fuller, Dave Hanna, Bill Irwin, Bud Katz, Rocky Keir, Gil Kitching, Don Lamar, Leon Michaelson, Harry Pata-poff, Tom Paulson, Norman Peck, Jim Ross, Deane Smith, Bill Wise, Harold Woody, Mel Cassidy Les Earnest.

Additional men out: Leon Bass, Ted Bowen, Alan Marshall, Dwight Schroeder, Earnest Wheeler, Jim Luscombe.



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Beaver Horsehidiers Out-Walk Laverne 20-6

Leopard Twirlers Walk 25 Techmen; Fans Mystified By 10 Error Win

In an error-filled game, Caltech defeated LaVerne, 20-9, although outhit, 9-8, in their practice baseball game at Tournament Park yesterday afternoon. Wildness of the La Verne pitcher made the big difference, as Dick Paterson, Beaver lead-off man, scored four runs with no official trips to the plate. To emphasize Mr. O'Neill's wildness, we casually mentioned that he walked the unbelievable number of 25 men.

Norman

Little Chucker Norman made the difference in the hitting department for the Engineers: three for five is a vast improvement for the Chucker.

All kinds of things happened as the horsehidiers made 10 errors, enough to lose any ball game instead of winning by a very lop-sided score.

To the fan in the stands, how the Beavers came out on top is still somewhat of a mystery. In every department the Leopards outdid the Tech men, but they could not win.

If Priesler can keep his men going a conference title is certainly in store. With Pomona knocking off Redlands last week anything can happen now. With a little hitting the Engineers can win with ease. The picture looks indeed bright for Tech nine.

La Verne100 000 341— 9
Caltech157 121 30 —20

Talkin' It Over With The Goon

The Athletic Office hit the jackpot again last week. Not just one or two wins, but FIVE wins in FIVE starts. Rumor even has it that the Hustler got so carried away he offered Manny (of Star News fame) one of his two for a nickle Coronas. Fortunately for Manny the Hustler regained his equilibrium in time and the "Poor Man's Braven Dyer" wasn't forced to smoke it.

Watermen

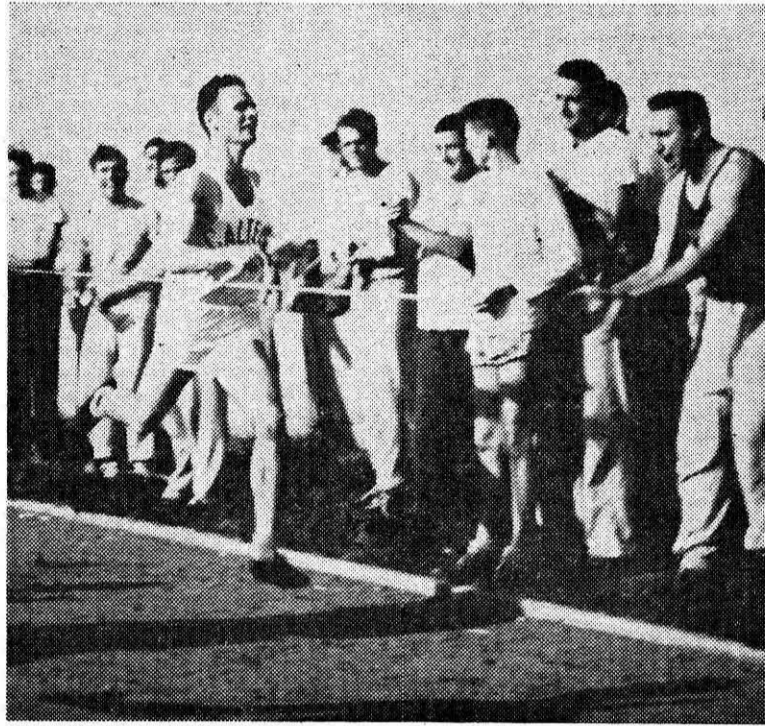
Yes indeed, the swimmers almost drowned Pomona at the P.C.C. wading pond. And it looks as if the Beavers just about own the conference except for the Tigers, who, sources report, are trying to get in the Pacific Coast Conference.

Revey Sharp

"Lost Weekend" Revey wasn't quite a total loss this weekend. Ed was two down on the last nine and shot consecutively from the 15th hole two birdies, par and the 18th, another birdied. He was one above par with a 73 and (Continued on Page 6)

Beaver Sports

WINNING STRIDE



Caught by the Tech photographer is Doug Brown as he crosses paydirt in the final lap of the mile relay to give the Beavers a 68-63 win over Redlands last Saturday. The win was the Techmen's first in dual conference competition since 1946.

Engineer Trackmen Nip Redlands 68-63

Final Mile Relay Decides Meet: Conference Meet This Saturday

For the first time since 1946 Caltech's track team won a conference dual meet, as the Beavers took a close one out at Redlands last Saturday, 68 to 63. The win was particularly sweet because for the past two years the Bulldogs had nipped the Beavers 66 to 65.

Relay Decides

Up on their feet again this week, Frosh teams cleaned up in all events. Barring the baseball team, who drew a bye this week, the Class of '52 routed everybody, on the land, in the air and on the water.

Trackmen Win

Visiting a "below average" track at Redlands Saturday, local spikes routed the hosts by a better than 40 point margin. Bill Pilkington gave the Frosh record book a scare when he came within 19 seconds of the existing record. One-tenth of a second behind the old Frosh high hurdles record, Bill Irwin galloped to victory in that event while pulling down top roost in the lows, also. Let's have some all out support when we travel to Redlands next Saturday for the conference meet.

Rackets Score

Back on their feet from a pair of defeats, Frosh racketeers clobbered Whittier to a hearty 8 to 1 victory. Our second place hopes ride with the cat gut boys as they meet Pomona in Tournament Park Saturday for their final game of the season. A lusty pat on the back, men, and go get 'em.

Title Bound

Needless to say, the little fish from Tech splashed out a very significant victory over Pomona. When the Tech-made steam lifted from the water, everybody's score book read 24-10 in favor of local lads. Cagle finished ahead of the flock in the 50 yd. freestyle with an impressive 26.5 time. Frosh swimmers give lessons in aqua-etiquette next Saturday to Oxy in the Tiger's pool.

The boys from Pasadena took the hard way out, as it came down to the final mile relay to decide the outcome. Four good laps by Doug Brown, Bill Sylviess, Herbie Simons, and Doug Brown turned the trick in 3:23.3 as Redlands was outclassed after a terrific first lap by their ace sprinter Mason. This time is the best turned in by the team so far this year.

Schroeder High Scorer

Once again the man leading the Engineers was versatile Dwight Schroeder. Dwight rolled up 16 points with firsts in the broad jump and low hurdles and seconds in the 100 and high hurdles. Hal Tyson took first in both the shot and discus, the latter by 2 inches, and a third in the javelin.

Herbie Simons ran the fastest 880 of his career, just 1/10 of a second over 2 minutes, closely followed by Doug Brown. Martin Walt took an easy first in the pole vault at 11'9" and tied for second in the high jump at 5'10".

The heralded two-mile duel between Redlands' Ed Livengood and Tech's Pete Mason turned out to be just that, until Livengood's terrific last lap finish for a time of 10:13.7. Mason was unofficially clocked in 10:18, his best mark to date. Livengood also took the mile, followed by Tech's Dick Corneilus and Jack Marshall. Incidentally, Marshall also picked up two crucial points by taking thirds in, of all things, both hurdles. The combination of miler and hurdler is something unique at Tech.

Conference Meet Saturday

This Saturday the team returns to Redlands for their final competition—the All-Conference Meet. The Beavers should show up better in this than they have in their dual meets this season, as depth is not so important (Continued on Page 6)

Linkmen Putt By Poet Golfers 10-8

The Caltech golf team rallied on the back nine to defeat the Whittier Poets 10-8 in a golf match at the Montebello Golf Course Saturday. The win placed Caltech in a tie for second place in the conference links competition.

Low medalists were: for Caltech Ed "Yoyo" Revey with a 73, for Whittier Ed Spur also with a 73.

The individual matches went as follows:

C. Thompson (W) defeated R. Bennett (CT) 2 1/2-1/2, E. Spur (W) halved E. Revey (CT) 1 1/2-1 1/2, V. Sims (CT) defeated W. Gresh (W) 3-0, S. Pardee (CT) halved B. Gartin (W) 1 1/2-1/2, R. Anderson (W) defeated R. Benton (CT) 2-1, J. Moffat (CT) defeated Erickson (W) 2 1/2-1/2.

S.C.I.C. Baseball Standings

	W	L	Pct.
Whittier	5	3	.625
Redlands	3	2	.600
Caltech	2	2	.500
Oxy	2	3	.400
Pomona	2	4	.333

Interhouse Standings

House	Points
Fleming	133
Ricketts	106 1/2
Dabney	104
Blacker	97
Throop	54 1/2

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Rowdies Cop Final IH Grid Contest from Blue, 12-6

In a desperate duel for the crown, the Ricketts and Blacker touch football teams clashed in a fight to the finish last Thursday. In this last game of the season the previously unbeaten and unscored upon Blue Six went down before the slashing Rowdy attacks 12-6.

At the half time the score was tied up at six all. For the first half both teams were a little nervous and the game was not too encouraging. At times both teams showed considerable drive but generally they just sat back waiting for the breaks.

In the final stanza, Ricketts was able to put on the pressure after a Blacker attempt to score from the five yard line fizzled out. Through the fine passing of Al Sereno and the fine blocking of the Rowdy line, Ricketts moved the ball down the field with relative ease. A lobbing touchdown pass from Sereno gave the Rowdies a victory and the football title.

Results:

	W	L	T	Pct.
Ricketts	2	1	0	0.750
Blacker	2	1	1	0.667
Fleming	2	1	1	0.667
Dabney	2	2	0	0.500
Throop	0	4	0	0.000

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ARROW UNIVERSITY STYLES

STUDENT CHAPTER

(Continued from Page 1)
The evening program will feature the color motion picture, "The Story of Palomar," and will be supplemented by short papers to be presented by Chuck Forester, John Heath, and Fred Drury. In view of the timeliness of the Palomar Telescope, it is hoped that the program will prove interesting to all who attend.

ENGINEER TRACKMEN

(Continued from Page 5)
here. Outstanding matches featuring Techmen will be the hurdles, pitting Dright Schroeder against Baudrand of Whittier, Strom of Oxy, and Welsh of Pomona; the 880 with Barnes, Simons, and Doug Brown going against Cotrel of Oxy; the 2-mile with Mason against Livengood, Pomona's Stokes and Oxy's Lee; the dual in the pole vault between Walt and Whittier's Crandall; Tyson versus Whittier's Yates, Oxy's Pearson and Levin, and Pomona's Emmett in the shot and discus.

TALKIN' IT OVER

(Continued from Page 5)
picked up 1½ points from Whittier's Spur to clinch a 10-8 victory over the Poets. The WCTU is writing up his life history for their files.

Lambies

Johnny Lamb's racketeers smashed the Poets on the local courts 7-2 with every member of the squad playing fine tennis. Sid Stone and Ed Alexander looked especially sharp except for the few times when Ed got his throat caught in the net during his doubles match. With another victory over Pomona we will cinch one of the few undefeated crowns that Tech has won in quite a while.

Tracksters

Despite the brilliant starting of J. Mason Anderson and his double action cap-pistol, the skivvy shorts kids came through in the relay to knock off a favored Bulldog outfit. Best mark of the day goes to Herbie Simons who reeled off a 2:00.1 in the half which is the top mark in the conference so far. It will be the battle of the century at the Conference meet with Herb against Cotrel of the Tigers who that same day turned in a 2:00.2. Herb later teamed with the Browns (E. J. and Doug) and Sylvies to run a creditable 3:23.3 mile quartet.

Ballers

Although the horsehidors

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E. C. GOLDSWORTHY

(Continued from Page 1)
Mrs. Bright Goldsworthy; his son, Patrick D. Goldsworthy; his daughter, Mrs. William T. Doyle, and his mother, Mrs. Louise Goldsworthy of Pacific Grove.

Service Held

A private funeral service has been held, but there probably will be a memorial service held within the next few weeks. Relatives have asked that flowers be omitted and the money for them be contributed to the Caltech Y in which Col. Goldsworthy was always so interested. Wes Hershey stated that all such contributions received would be set aside for some as yet undecided specific use.

No Head for Houses

The death of Col. Goldsworthy leaves the Student Houses without a Master. However, the Colonel's policy of making the houses almost self-governing means that little confusion will result from this lack. A problem of replacement does remain, however.

"The replacement of Colonel Goldsworthy as Master of Student Houses presents a very difficult problem because of the very unique qualifications for this position which Colonel Goldsworthy possessed," said President DuBridge.

Mettler Appointed

"For the remainder of the present school year, however, a temporary solution has been reached," he continued, "Mr. R. F. Mettler, Resident Associate of Ricketts House, has been appointed as Acting Master of Student Houses for the remainder of the year. Mr. Mettler has served as Deputy House Master during the current year, and he was enthusiastically recommended by the other Resident Associates, and by the Faculty Student

racked up a 20-9 massacre over a hapless La Verne nine, there seems to be a lot of listless characters wandering around the diamond. For a while it seemed as if nothing could stop this mighty powerhouse. That was before they had a few set-backs. Some of the boys who were all hepped up a couple of weeks ago could make the difference in the final race for the pennant now that the Sagehens pecked out a win over the favored Redlands.

Tribute

Just a few words in passing about the best sports fan that Tech has ever had—a fine man and a fine athlete—The Colonel. We're going to miss his friendly advice and encouragement not only on the playing field but in all of our activities on the campus.

CAMPUS BREWINS

(Continued from Page 2)
source, the Lemmings' dance apparently a much bigger success, as some 40 women showed up, including six from Dorsey who innocently forgot which house was Ricketts. Ricketts had been promised 25 Dorsey femmes, contracted to include Dee Dee Tracy, the collective romance of all Ricketts, but only 16, Tracyless, showed up.

Norm Schroeder is commended for supplementing the supply with a hunting excursion to the Pasadena Civic, bringing back 5 married women and one engaged

House Committee to carry on in Colonel Goldsworthy's place. In addition Mrs. Goldsworthy, who worked most intimately with her husband on all aspects of Student House affairs, has agreed to remain for the rest of the year to help carry on. She will work with the Resident Associates and with the Student House Committee and serve in the capacity of 'House Mother.'

"Finally, a careful search is being made, both on and off the campus for a permanent successor to Colonel Goldsworthy. It is the intention to continue the House Master plan which has been in existence in recent years and to select for a House Master a man eminently qualified for the job, and one who meets the enthusiastic approval of the Faculty House Committee, the Resident Associates, and all the residents of the Student Houses. He will not be easy to find, but no effort will be spared to locate him."

wench, former flame of Paul Howard and Jim Malone. Taking them home, Willis had to change a frenzied tire and still make it before 1:30 when hubbies returned.

COUNTERPOINT

Lemming Pardee sported the charms of an ex-Rose Princess and cousin of Taylor Joyner, will wonders never cease, while Hartung leeches himself to Angie, trying to convince her, without success, not to go steady—with her other swain! Two psychologically interesting women were seen sitting lovingly close to each other on a Fleming couch, refusing dances and proclaiming that they thought it was to have been "another kind of party." It takes all kinds of people. . .

TOUCHE

Saturday night beamed happily down on Techmen and friends lustily wallowing in East-side at Doherty's graciously-donated lodge. We bend in great praise to the Dohertys and especially to Mrs. D., who furnished some 700 fine sandwiches to starving Beaver couples. From the black recesses of the balcony came purring noises, and beer occasionally dripped down to the distraction of the band beneath. In the event of the evening, a very callow Ricketts crew spewed brew out of the sides of their mouths to lose the race ignominiously.

BEAK

Chuck Forester, '29, wallowed in the company of the same Joan who was once engaged to Paul Howard and has since laid her-

self the foundations of a fine reputation among Techmen. We worried about Forester's famed sanity when we saw him running around with half a five-dollar bill, shouting "Where's my \$2.50?" The home team was represented by Peter Pauling with a woman from the Biology department, some many years older than the enterprising Pete, and sister Linda, with Goldman, who had to bring her in at midnight—Norman Bulman went along to insure good behavior. Linda gets a vote from us for potential future Queen of the Campus.

"Colonel Bill" Myers and date were classified with the ossified along with stag Bob Cobb, who was taken home by Peck and Pardee and put in the shower; when they returned 2 hours later from taking dates home, he was still standing in the shower, stupefied. After he had been walked around the parking lot for a couple hours, he was reportedly sober enough to return home. Cheers to us who hold our liquor.

COUNTERBEAK

Sunday morning early risers were bewildered to watch a strange crew of mountaineers hike wearily out of the hills carrying mattocks and beer cans, looking dusty but triumphant; when we turned our eyes to heaven, we noticed the flamboyant "T" on the mountains with its face lifted. Wondrous things have indeed come to pass!

BLACKERBEAK

Blacker celebrated Saturday

night with a play at the Playhouse followed by some impromptu play back at Blacker Lounge afterward. Peering around the inkblack lounge with our infra-red sniperscope, we were pleased to note Pilkington with Pat, who was formerly Howell's, and Mason with Jean, who was formerly Pilkington's. A very modern and enlightened set-up all around! Westridge girls' school, which has formerly been untouched by the probing Beak, came into our view seven-strong, including Bruington's date, Katie, San Marino socialite who frequently gets plastered on the society pages of the local journals. Schmid also brought a Westridge quail, but we are assured that Friday night he had a better time with the Oxy Eagerette that had once before brought him under Pope Schuster's benevolent eye.

Pyatt, the suave insouciant, has been seen out three times in the last several weeks, breaking endurance records of long standing. Last year, when one lovely, monied Mimi of Schimpps had been torrid for Ed's love, he had passed her up with only three dates and she went East to school broken-hearted. Oh, cruel—also stupid! Wright hopefully dated Donna Friday night, after considering Gus Soux's success and subsequent Cardinal awards with her, but reported, after he had exhausted his etchings on her attention: "Ugh!" Gus, meanwhile, has taken up with more immaculate women from Immaculate Heart College. It sounds like a lean field.



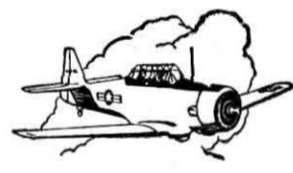
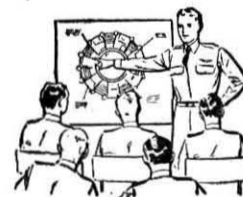
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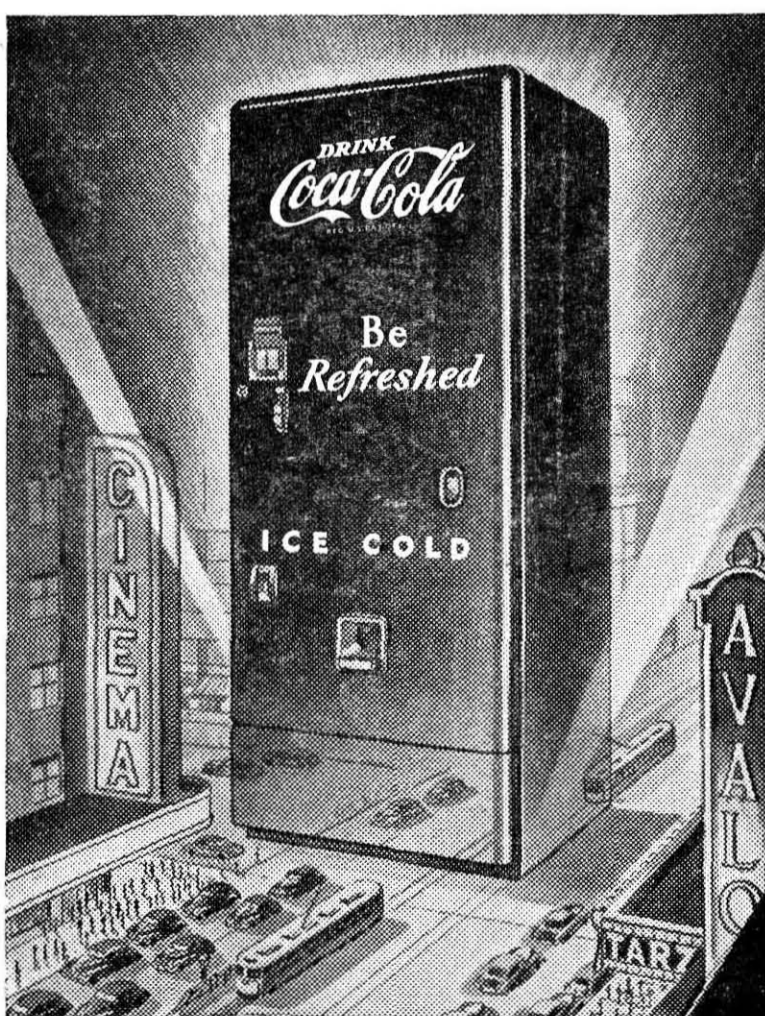


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