

Pauling Awarded Nobel Prize

Award to be presented by King Gustav in Sweden next month

Dr. Linus Pauling, professor of chemistry at Caltech and chairman of the Division of Chemistry and Chemical Engineering, has been awarded the 1954 Nobel Prize in Chemistry. The award, which includes a \$35,000 cash prize, was announced yesterday by the Swedish Academy of Science. Dr. Pauling will receive the award from King Gustav of Sweden at a ceremony in Stockholm this December.

Dr. Pauling received the award primarily for his discovery of fundamental principles deter-

mining the nature of the chemical bond and the structure of molecules, and for his important discoveries concerning the essential atomic structure of proteins.

3 others

Pauling is the fourth Caltech scientist to receive the Nobel Prize. The others have been: the late Dr. Robert A. Millikan, professor of physics and chairman of the Caltech Executive Council from 1921 to 1945 who received the Nobel Prize in physics in 1923; the late Dr. Thomas Hunt Morgan, professor

of biology and chairman of the Division of Biology from 1928 to 1944, who received the 1933 Nobel Prize in medicine and physiology; and Dr. Carl D. Anderson, a Caltech alumnus and professor of physics at Caltech since 1939, who was the 1936 recipient of the prize in physics.

From Portland

Dr. Pauling was born in Portland, Oregon, on February 28, 1901 and received his early education in the public schools of Condon and Portland, Oregon. He attended Oregon State College and was graduated in 1922

with the B.S. degree in chemical engineering.

He entered Caltech in 1922 as a graduate student, at that time beginning the work on the experimental determination of the structure of crystals by x-ray diffraction which has led to his well-known work on molecular structures.

Studies abroad

After receiving the Ph.D. degree in 1925, Pauling remained at Caltech for eight months as a National Research Fellow and then spent a year and a half in Europe as a Fellow of the John

Simon Guggenheim Memorial Foundation, doing postgraduate research at the Universities of Munich, Zurich, and Copenhagen.

In 1927 Dr. Pauling joined the Caltech faculty as assistant professor of chemistry, becoming full professor in 1931. He has been chairman of the Division of Chemistry and Chemical Engineering and director of the Gates and Crellin Laboratories since 1937. He is in charge of the course in chemistry required of all freshmen at Caltech and has taught both graduate and undergraduate courses in many phases of chemistry.

Many papers

Dr. Pauling is the author of close to 300 scientific papers in the fields of chemistry and physics and of a number of textbooks, including "The Nature of the Chemical Bond." This work, which outlines his resonance theory of chemical bonds, has had an enormous influence on the development of chemistry. His experimental research includes the determination, by

The California Tech

Volume LVI

Pasadena, California, Thursday, November 4, 1954

Number 6

IHC to open game room next Monday

The student body game room has now undergone a complete face-lifting and is ready for the grand opening next Monday. The Interhouse Committee has planned a program that will feature an exhibition by an expert billiard player and the finals of our ping-pong tournament. Refreshments will follow.

B and G helps

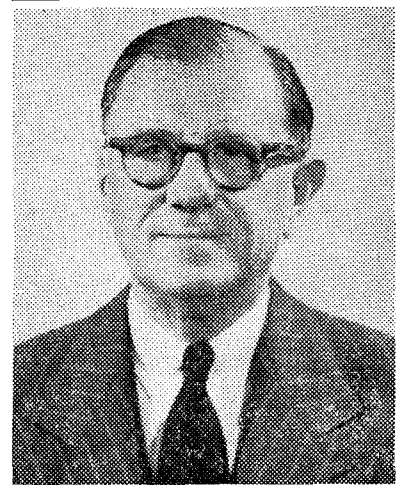
This project has been carried on by the Institute with the help of Buildings and Grounds. The materials have been purchased through Institute funds and consequently have come from the students' own expense accounts.

BOD room, too

The main game room will have billiard tables, shuffleboard and ping-pong. Off the main room will be a lounge with easy chairs and facilities for playing cards. In addition to the game room several major improvements have been made in the ASCIT Board Room. Rubber tile and sound-proof ceilings as well as new tables and chairs have been added.

Tech trustees pick Ruddock

Albert Billings Ruddock was elected chairman of the Board of Trustees of Caltech at the board's annual meeting Monday. John E. Barber was chosen vice-president and treasurer.



Albert Billings Ruddock

Ruddock, a Caltech trustee since 1938, replaces James R. Page. Chairman of the Board since 1943, Page requested a year ago that a successor be chosen by the board. He will continue to serve as chairman of the finance committee.

Prominent Southern California business and civic leader, Ruddock was secretary of the Amer-

(Continued on Page 6)

Houses finish preparations for Interhouse Saturday

This year's Interhouse Dance will be held this Saturday, November 6, from 9:00 p.m. until 1:00 a.m. in the four student houses and Throop Club. Five bands will provide the music for Tech's biggest social event of the year. All of the houses are frantically rushing to complete their decorations on time.

Blacker's courtyard is well on its way to becoming the "Land of Oz." The weird framework on the Hell alley stairs will soon carry a roaring waterfall pouring into a stream which will wind through the courtyard and empty into a central pool. The lounge is in the process of becoming the Palace of Oz, complete with fireball. The wizard's balloon has been up for test flights and is ready for the big night.

The Ricketts rocket ship is becoming an impressive sight, towering over the roofs of the houses and ready to blast off alongside Millikan's pot. A second rocket ship is being constructed on the west side of the courtyard and will be open for inspection by Techmen and their dates. From this ship, visitors will pass through an air lock into the lounge, which will be decorated as an alien planet.

The Dabney courtyard, which a few days ago was just a pile of rocks and lumber, is quickly becoming an "Enchanted Forest". The lounge will be entered

(Continued on Page 6)

High volts subject of Friday lecture

"High Voltage" will be the title of this Friday's demonstration lecture. Dr. G. D. McCann will present the lecture, which will begin in 201 Bridge at 7:30 p.m.

The lecture in 201 Bridge will provide an introduction to the subject of high voltage and an explanation of some of its basic principles. Following this the scene will shift to the High-Potential Research Laboratory where demonstrations of the various high voltage phenomena will be given.



Dr. Linus Pauling

x-ray diffraction, of the structure of about 50 crystals, and, by electron diffraction, of about 60 gas molecules.

Recipient of the first award in pure chemistry of the American

(Continued on Page 3)

Barbecue and parade to Oxy replace annual Pajamarino

An institution is dead. With the advent of the new gym comes the demise of a Caltech tradition: the Pajamarino and its night raids on box stockpiles, the bonfire, and the pajama parade.

Several pressure groups—the Pasadena Police and Fire Departments and the National Retailers Association—were instrumental in bringing about the death of this event. The grocers frowned upon using their money to build our bonfire, and the City of Pasadena wouldn't issue a fire permit to hold the bonfire next to the gym.

English film to be featured Sunday

"The Winslow Boy" starring Sir Cedric Hardwicke, Basil Radford and Robert Donat will be shown Sunday, November 7, as the third in the Caltech Y Film Series.

Directed by Anthony Asquith, it is based on an actual case which became a cause celebre of the English public. The film traces the story of a boy unjustly expelled from school for a petty theft.

Along with "The Winslow Boy" will be shown two shorts: "The Gentleman in Room Six" and "Motor Mania."

Single admissions may be bought for this show and cost 50c. It will take place at 7:30 p.m. in Culbertson auditorium.

To fill the void a replacement has been provided. On Friday night, November 12, the evening of the "Oxy" game, a barbecue will be held in Tournament Park. Dinner will be served at 5:44, and will include a pound of meat per person. A bonfire—non box variety—will burn during the meal. The dinner will be free to those with Student House meal tickets and will be available, at a "nominal fee," for dates and off campus Techmen.

After eating, the CIT student body and dates will parade to "Oxy" in mass, escorted by the Pasadena City Police.

A combo will provide music from 10:30 to 1:00 for the after-game dance that will be held in Dabney Hall. This dance, sponsored by ASCIT in conjunction with the Caltech Alumni Association, will end the evening's scheduled activities.

Guggenheim Laboratory is important contributor in aeronautical developments

By John Howell

A quarter century of leadership in aeronautics distinguishes Caltech's Guggenheim Aeronautics Lab as it celebrates its silver anniversary this year. The remarkable story of these twenty-five years is told in a captivating booklet released last week under the direction of Clark B. Millikan, aeronautics head.

Although the commemoration is two years overdue, the story of Guggenheim research is always timely in our era of aviation progress.

In 1926, Dr. Robert A. Millikan obtained a grant of \$300,000 from the then newly established Daniel Guggenheim Fund for the Promotion of Aeronautics, to construct a laboratory and start a graduate school of aeronautics at Caltech. Dr. Theodore von

Karman, brilliant scientist, engineer, and applied mathematician, was brought to this country to help develop and organize the new school. Karman became full-time director of the Guggenheim Aeronautical Laboratory at the California Institute of Technology (referred to by the simpler abbreviation GALCIT).

Under the able guidances of Karman (1930 to 1945) and Dr. Clark B. Millikan (1945 to the present), GALCIT has awarded over a thousand graduate degrees to approximately 750 students, and has contributed heavily to the science of aeronautics and related fields with its theoretical and applied research and investigations. Some of the projects worked on have been concerned with problems in fluid

flow, applied aerodynamics, elasticity and structures, and jet propulsion and rockets.

Modern aeronautics has undergone tremendous technological changes in the last decade. The feasibility of aircraft flying at hypersonic speeds has been made possible by a relatively entirely new set of concepts, many of which have been developed by GALCIT men. High speed skin friction, and high speed effects of turbulence, viscosity, shock-wave boundary-layer interaction, and stability, to name only a few, have all been studied to support hypothesis and test theories.

Three major developments at Caltech originating at the GALCIT and later growing into separate administratively unique

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

Treasurer's Report

ASCIT Financial Report for the Fiscal Year Ended June 30, 1954

Statement of Operations

Income:	1954	1954
Dues and assessments	\$ 8,333.40	\$ 9,986.23
Donation from Caltech	1,512.50	1,527.50
Big T advertising.....	2,905.00	2,827.00
California Tech advertising.....	4,998.16	5,811.14
Other	2,114.59	1,765.93
Total income	\$19,863.65	\$21,917.80
Expenses:		
Athletic Awards	\$ 1,879.56	\$ 2,124.52
Miscellaneous awards	320.11	223.43
Rally Committee	402.97	569.16
Supplies and Expenses	440.86	451.38
President's and Vice-President's expense	162.39	82.29
Band uniforms		339.35
Forensics and drama	881.09	665.75
Publicity and elections	203.47	21.65
Social program	2,100.48	1,982.00
Athletic banquet	458.85	377.39
Directors' banquet	185.90	171.50
Editors' salaries	377.00	375.00
Other salaries and commissions.....	2,334.27	2,556.69
Printing, engraving and photography		
Big T	5,418.36	5,943.08
California Tech	4,883.14	4,940.61
Other expenses	158.74	908.90
Total expenditures	\$20,207.19	\$21,732.70
Income in excess of expenditures.....	\$ (343.54)	185.10

CONSOLIDATED BALANCE SHEET

June 30, 1954

Assets:	
Cash in banks	\$3,649.29
Investments	
United States defense series F bonds.....	300.00
Share in endowment fund investments of the California Institute.....	2,799.27
Accounts receivable	1,344.17
Total	\$8,092.73
Liabilities and Surplus:	
Accounts payable	\$3,986.00
Cap and Gown Reserve.....	2,526.25
Surplus	1,580.48
Total	\$8,092.73

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New society to be formed

A "Caltech Engineering Society," with emphasis on freshman and sophomore participation, will be initiated with a speed boat exhibit and lecture next Wednesday.

The new group is to be organized jointly by the local chapters of national engineering societies to acquaint freshmen and sophomores with engineering careers. Underclassmen will be able to join this group until they have chosen an option and a national society.

The display, a home-built Chris-Craft inboard speedboat constructed by Dick Hyde, a Tech student, will go up in front of the cafeteria Wednesday, November 10. That evening, in 206 Engineering at 7:10, Hyde will lecture informally on the problems of converting automotive engines for marine use. The method of construction of Chris-Craft boat kits will also be discussed.

The marine power meeting is the first of a series to be given freshman-sophomore emphasis. Underclassmen are urged to attend this and keep tab on other meetings, as the new society will depend upon their participation to get its start.

Pendulum copy due this weekend

This weekend is the deadline for late entries for this term's Pendulum. The editors are making a final plea for material, and assure us that they'll print anything reasonable.



"Men have died from time to time and worms have eaten them; but not for love."

—Shakespeare

The Beak, engrossed as all Techmen must eventually be, in the work of the immortal Barf (ups!—I mean Bard) tried long and hard to find a quotation at least slightly smutty. However, he compromised with his better judgment and simply chose as the text for this week's chronicle of sexual activity a "bit o' wee wisdom" for his faithful followers.

In the gentle domain of Blacker, at the moment being transformed into the Land of Oz (with another of Blacker's now famous rivers), Wheel Benning was trying to peddle blind dates for the good old Interhouse. But, the wary takers, having been stung once by Benning's "Fifteen Girls—and Every One a Queen!" are a bit hesitant. The Beak says, "Go Away, Boy—Peddle Your Merchandise Elsewhere."

Unrequited

Speaking of dying for love (as we were two paragraphs ago) Blacker's Lover Deluxe Chapple, has so deceived a pretty maid with his charm that she flew all the way from Stanford for just a week-end with the dear fellow. The Beak always

likes to see one of the boys make good. (If you don't see how that connects with dying for love, go back and read it again—you missed the subtle point!!)

Did you know?

Speaking of subtle points—Malville went to the Blacker Halloween Party last Friday with three balloons as his costume. Someone's subtle point exploded the balloons early in the evening. It was too dark for us to see whether he was trying to do a bubble dance without bubbles—but it makes a nice story.

Going, Cummings?

The coveted Fleming Golden Goose award was finally given, with general acclaim, to Ben Cummings for his fine story of woe. Ben, it seems, not only had it from the Air Force (which refused to fly him to his girl in Seattle), but also from Scripps (Don't take her, Ben. She's a nice girl.) and Occidental (Enter: Old flame of John Lilley. Excitement from Ben. Enter: John Lilley. Exit: Ben) Continued success in the future, Ben.

Goblins and ghosts

Fleming's Halloween dance, complete with professionally decorated pumpkins and amateur hour entertainment, drew
(Continued on Page 6)



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Weir, Scott, and Eagleson speak for Y

Tech psychology prof. John Weir is next Tuesday's speaker at the Y undergraduate lunch club. He will give the first of a series of two lectures on group dynamics.

"Finding the meaning in Modern Art," will be the topic at the Y grad-faculty forum next Wednesday in the Athenaeum. Lecturer is Dr. David Scott, professor at Scripps.

Dr. Harvey Eagleson talks on "Problems of the Caltech Man" at the frosh lunch club next Monday and Thursday.

Time, place

All three Y forums start at 12:30. The frosh and under grad groups meet at the student house training table. The grad-faculty group meets at the Athenaeum, but students are welcome.

The undergraduate forum will hear Professors Heinz Eller-sieck, Hunter Mead and David Elliot on succeeding Tuesdays this term. Other grad-faculty topics will be "The Christian Conscience and Race Discrimination" and "The Decline of American-French Friendship."

Groups requested to post activities

Organizations are requested to see that the dates of their activities are posted on the school calendar in lower Throop. If all dates are posted well in advance there will be less possibility for embarrassing conflicts, and the calendar will be more effective.

Notices for the calendar should be left in the box beneath the bulletin board in the "Y" office or left for Ron Cochran in the Blacker Mailbox.

Tech rifle team plans practices

The Caltech Rifle and Pistol Team will practice at PCC from 3 to 4 p.m. on Mondays, Tuesdays, and Thursdays, beginning Thursday, November 4. Students who are team members, or who would like to join the team, should come to the AFROTC office in T-1 at 3 p.m. on the days listed.

Members may use the team's Winchester 52 rifles or their own .22 caliber guns. The Air Force supplies the ammunition, and for further details see Don East in Fleming, Don Evans in Blacker, or Sam Phillips in Ricketts.

PAULING PRIZE

(Continued from Page 1)

Chemical Society, Dr. Pauling served as president of that organization in 1949. He holds membership in such leading American professional societies as the National Academy of Sciences, the American Philosophical Society, the American Academy of Arts and Sciences, the American Association for the Advancement of Science, and is a Fellow of the American Physical Society. He is also an honorary or corresponding member of major scientific societies in England, Switzerland, Italy, France, India, Belgium, Norway, Portugal, and Germany and was awarded the Davy Medal of the Royal Society of Great Britain.

Pauling has lectured at the Universities of California, Cornell, Buffalo, Oxford, Princeton, and Yale, the Massachusetts Institute of Technology, and the Weizmann Institute in Israel. He has been awarded honorary degrees by five American universities and six foreign ones.

Dr. Pauling is married to the former Ava Helen Miller, and lives in Pasadena. He has four children—Linus, Jr., 29; Peter, 23; Linda, 22; and Crellin, 17.

British prof visits Caltech

Lord Rothschild, director of research of the department of zoology at Cambridge University, is visiting Caltech to continue his research in the field of embryology.

Appointed research associate in biology at Caltech, he is working with Dr. Albert Tyler, professor of embryology, on some of the early phases of both plant and animal reproduction. Lord Rothschild, who is currently writing a book on this subject, and Professor Tyler have worked together previously, at Caltech in 1951 and during the summer of 1953 at Cambridge.

Lord Rothschild has been chairman of the Agricultural Research Council of Great Britain since 1948. A Cambridge University graduate, he holds both Ph.D. and Sc.D. degrees from Cambridge and is a Fellow of the Royal Society.

GALCIT

(Continued from Page 1)

organizations are the Jet Propulsion Laboratory (established by the Department of Defense for research and development of missiles and various phases of jet propulsion), the Southern California Cooperative Wind Tunnel (owned jointly by five aircraft companies and staffed by Caltech men), and the Guggenheim Jet Propulsion Center, for graduate work in jet propulsion and rocket engineering with emphasis on peacetime uses.

Every year GALCIT makes a practice of inviting distinguished scientists to visit the grad school and work with its staff and students. The new viewpoints and interchange of ideas resulting from this practice has proved invaluable to the GALCIT group.

Once Over Lightly

By Jay Glasel

The intellectual is a man who takes more words than is necessary to tell more than he knows.

—The President of the United States (Sept. 1954)

Despite these words of wisdom from Mr. Eisenhower, his rival in the last election lives on. His latest book, *Call to Greatness*, I found to be one of the best I have read on current political topics. My use of the word politics is perhaps misleading. Mr. Stevenson does not deal with domestic politics, but rather attempts to analyze the role that the U.S. must play in the affairs of the modern world. The book is published by Harpers from the manuscript of the Godkin lectures that Mr. Stevenson gave at Harvard under the title "A Troubled World."

The Reporter and Science

Two articles by Theodore H. White in the Sept. 14th and Sept. 23rd issues of the news magazine "The Reporter" carry special interest to Techmen. A large part of the article (entitled "U.S. Science, Its Troubled Quest") is devoted to GALCIT and other Caltech government projects. Also mentioned is that big campus mystery "Project Vista." As most of you know, almost all of the faculty were at one time or another tied up with a project known to everyone as "Vista." That was all the information that anyone not working on the project ever got. Now the "Reporter" has revealed the function of "Vista." In the current edition of the magazine, president DuBridge congratulates the author and the publisher on the excellence of the articles.

Lonely?

Anchor editions has come out with an abridged version of David Riesman's "Lonely Crowd." This book is a survey of the American social structure. It

looks at the methods of mass communication, etc., in the light of the aims of society. All for only 95 cents.

The London Times has come out with a special number of The Times Literary Supplement entitled "American Writing Today." It is 100 pages long and costs \$.50—quite an edition. 46 essays and 14 new poems are persented. Incidentally, the only place I have seen it for sale is in the little newstand on the corner of Lake and Colorado.

Vituperation

Critical writing now just isn't what it was in the good old days. For instance—some of these examples from the Victorian critics:

Samuel Butler on Rosetti—"I dislike his face, and his manner, and his work, and I hate his poetry and his friends."

Swinburne on Emerson—"I merely informed him in language of the strictest reserve, that he was a hoary-headed and toothless baboon, who, first lifted into notice on the shoulder of Carlyle, now spits and splutters from a filthier platform of his own finding and fouling."

Carlyle on Charles Lamb: "A more pitiful, ricketty, gasping, staggering, stammering Tomfool I do not know . . . Poor England, when such a despicable abortion is named genius!"

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SUCCESS STORY FOR TWO... and how it started

Joanne Dru started her career as a model of teen-ager clothes. But it was her 6-year study of dancing that won her a part in a Broadway musical . . . which led to film stardom in Hollywood.

There she met John Ireland, ex-marathon swimmer, amateur actor, stock player, Broadway star—now a brilliant director. Today they are man-and-wife partners in sparkling new screen hits.

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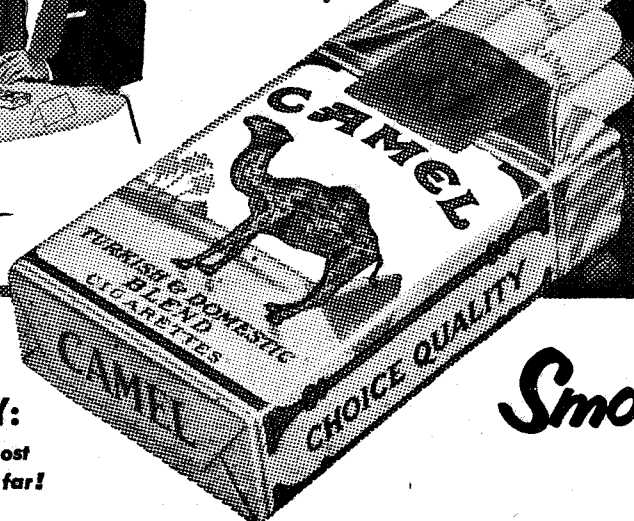
Joanne Dru and John Ireland

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The COOL Corner Science meet held this week

By Frank Kofsky

The average progressive jazz fan gets most of his musical kicks from listening to his favorite cats on records. Occasionally, however, there are events that every aficionado wants to see, for live or concert performances give the listener a better chance to really enjoy the music he hears—much more so than hearing the same number recorded. During the next couple of weeks there will be many such fine dates and places that cool jazz fans will want to make note of.

Big event Monday

First and foremost, next Monday, November eighth, Dave Brubeck, Gerry Mulligan, Stan Getz, and Duke Ellington will make a personal appearance at the Shrine Auditorium in Los Angeles. Brubeck, acclaimed as one of the leading modern sound pianists in the nation, is credited with reviving jazz in the city of San Francisco. As his followers already know, he and his quartet featuring Paul Desmond on alto sax, have traveled to colleges all over the nation in an effort to acquaint collegians with the latest trends in modern music. Mulligan and his quartet are second only to Brubeck in playing the cool sound, while Getz, with Miles Davis, is usually named the first to really "go cool" on the sax. Ellington, while not as cool as the aforementioned, is certainly progressive enough to make the evening interesting. Ticket prices range from \$1.80 to \$3.50. Incidentally, Brubeck and his quartet will make an appearance at Pomona College on Wednesday, November tenth.

Lighthouse All-Stars

Secondly, every night except Monday and Tuesday, Howard Rumsay and his Lighthouse All-Stars appear at the Lighthouse Cafe, 90 Pier Avenue, in Hermosa Beach. This group features two outstanding ex-Kenton men, Bud Shank and Bob Cooper on alto and tenor, respectively. Shank also plays the flute and Cooper the oboe, some of their duets being terrific, to say the least.

A little closer to Pasadena, two blocks west of Western on Hollywood Boulevard to be exact, "Jazz City" is situated. Currently appearing there are Lee Konitz and Barney Kessel. Konitz has gigged alto for both Kenton and Gerry Mulligan, while Kessel has had his own group (he picks a cool guitar, by the way) spotlighting Cooper, Shank, and the effervescent Shelly Manne on drums.

Getz at Zardi's

Farther down on Hollywood Boulevard is Zardi's, the Los Angeles home of Brubeck and Errol Garner, presently showcasing Stan Getz and the talented Milt Jackson and the Modern Jazz Quartet, alternately in the evenings.

Incidentally, from ten to two a.m. Saturday night, disk jockey Walt de Silva presents a show titled the Jazz Scene, on KFVD, which is at about 1004 on your AM radio. He really plays cool stuff, so try listening this Saturday.

The second Conference of West Coast Spectroscopists, with support from the U.S. Office of Naval Research, is being held at Caltech now, having started yesterday and continuing through today. The main address was given last night by Dr. Fritz Zwicky of Caltech, who spoke on "Spectroscopic Puzzles in Cosmology." Dr. Stanford Penner is chairman of the program committee for the conference.

Papers being delivered at the conference include: "Absolute Infrared Intensities," David F. Deggers, Jr., University of Washington; G. M. Barrow, Northwestern University. "Instrumental Limits of Detectability," H. Cary, Applied Physics Corporation, Pasadena; C. E. Berry, Consolidated Engineering Corporation, Pasadena. "Spectroscopy and Structure of Large Molecules," R. M. Badger, Caltech; G. B. B. M. Sutherland, University of Michigan; Linus Pauling and R. B. Corey, Caltech. "Astrophysical Spectroscopy," R. B. King, Caltech; J. Kaplan, University of California (Los Angeles); J. L. Greenstein, Caltech.

Letters to Editors

Dear Editors,

From time to time in the past year I have had occasion to go out with some of the students at your noble institution, particularly engineers. After a long and careful study of their habits and thoughts, I have this to say:

With clouded wits the engineer sits
And pushes pens and pencils.
While day by day, years slide away
Among his ink and stencils.
He works and works, and never shirks
(He couldn't do without it).
And if he stops, asleep he drops
And then he dreams about it.

With head that sinks and frame that shrinks
He does his toilsome duties
Without a glance from gay romance
And blind to all her beauties.
And when at last his life is past
There comes no chance to show it,
For engineers are dead for years
Before they ever know it.

Yours sincerely,

Frustrated

LITTLE MAN ON CAMPUS

by Dick Bibler

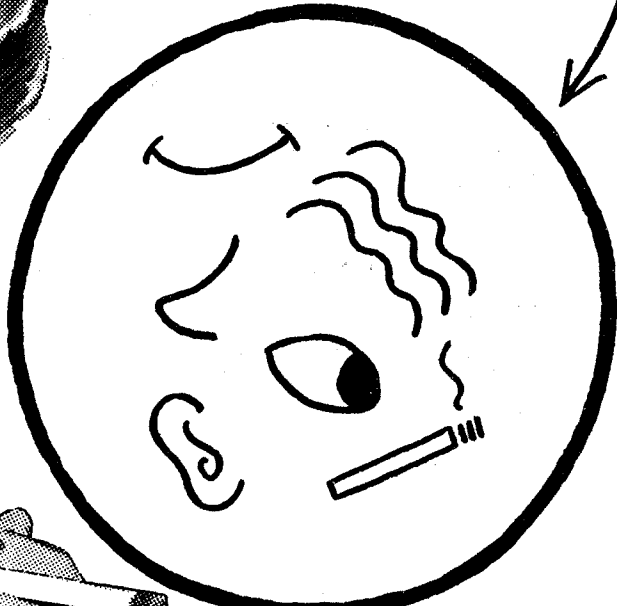


"I didn't say 'bring a case an' we'd study'—I said bring a 'Case Study'."

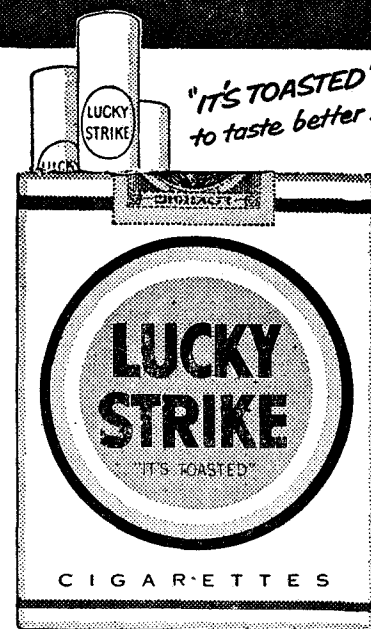


WHAT'S THIS?

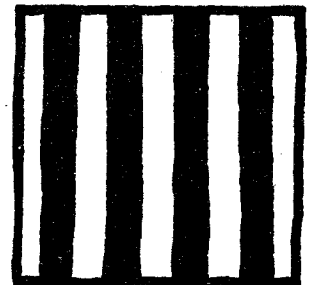
For solution see paragraph below. Doodle submitted by Michael Gross, C.C.N.Y.



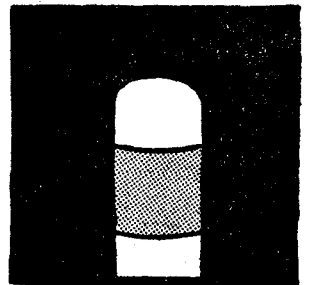
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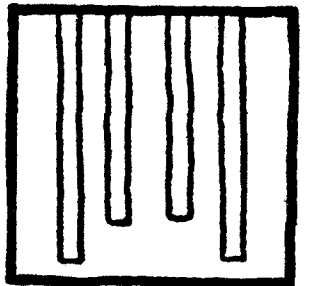
"IT'S TOASTED" to taste better!



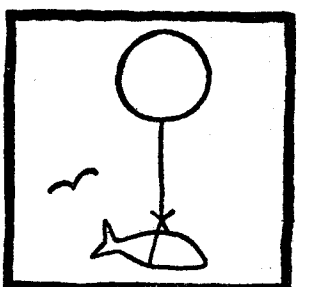
PICTURE OF TOUCHDOWN, REFEREE IN PHOTOGRAPHER'S WAY
Marcia Ruhl
St. Cloud S. T. C.



DACHSHUND PASSING DOGHOUSE SEEN BY BROTHER INSIDE
Emily Schafer
West Virginia University



NIGHT TABLE FOR UPPER BUNK
Leon Hodge
University of Florida



FISH COMMITTING SUICIDE BY ATTACHING SELF TO BALLOON
Jerry Gray
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Tech trounced by 'Hens, 60-6

Schmid scores for Engineers, Oxy next on schedule for footballers

In the greatest massacre since U.C.L.A. waxed Stanford 72-0, the Caltech football team dropped a 60-6 contest to league-leading Pomona-C Claremont last Saturday afternoon at Claremont. To be truthful Tech was never in the game after the first scrimmage play when Pomona tailback Bill Schmidt raced 68 yards for the first touchdown. The Hens made the score 13-0 soon thereafter when they recovered a Tech fumble on the Tech fifteen yard line and crossed the goal after six plays. It wasn't long before Pomona had still another touchdown when they intercepted a Conley pass and ran it back to the Beaver 32. In two plays, presto, 20-0.

Only TD on pass

The Tech team started its lone scoring march late in the first quarter. The culmination of the 18-play drive came early in the second period when Conley threw an eleven yard pass to end Dick Schmid for the TD. The rest of the second period was spent inside Tech's 35, but Pomona was unable to penetrate the goal.

In the second half it was all Pomona as Tech never had the ball inside the fifty yard line. The Beavers fumbled several times to give Pomona the ball in strategic positions and twice the Sagehens scored on fifty yard runs. There seemed to be no spirit or enthusiasm at all on the Tech team as the players acted as if they wanted to go home as soon as possible.

Tech outgained

The difference in the game can be told in the language of statistics as Tech gained a paltry 42 yards rushing, 37 of these by Fullback Walt Menetrey, while Pomona was rolling up 393 yards. In passing Conley was having a little the better of it as he gained 117 to Pomona's 98. Bob Christian caught two passes for 46 yards and Dick Schmid snared three for 42 yards to pace the Tech receivers.

Out to win

The Beaver team has a bye this week and next Friday they meet Oxy in the big game of the year. No matter how badly the Beavers have lost in the early season they are always fired
(Continued on Page 6)

Tech aquamen lead league

In a tight contest at Pomona last Friday, the Tech water polo team dumped Pomona, 10-7, to take over undisputed first place in the conference. The game was nip and tuck all the way with Pomona leading 2-1 at the half. Tech then rolled up a commanding 5-2 lead in the last quarter only to have Pomona dump in three goals with two minutes to go to tie it up. Two overtime periods were then played, with the Beavers pouring three goals through in the final period to sew it up.

Ball scores six

Leading the Tech scoring parade was Jim Ball, the top scorer in the conference with six goals. Bill Davis scored two and John Bush and Dick Johnson each one. Pomona was favored to win due to their greater speed, depth, and experience. Ed Park and Blake Wallace did excellent jobs at guard and the sterling performance of Fritz Trapnell in the goal turned many sure goals into futile attempts.

Riding on a four game winning streak, the polo team meets Compton, Southern California J.C. champs, Wednesday and Oxy at P.C.C. Friday.

The frosh water polo team's debut was spoiled by Pomona, 6-2. Scoring for the Beaverbabes were Clark Rees and Vince Taylor. The frosh were hampered by their lack of experience.

"My uncle changed his will five times in two years."

"Ah ha, a fresh heir fiend!"

"The man who invented the davenport should be a happy man—millions have been made on it."

Booters play miserably, salvage tie with Cal Poly

By Helgesson

Caltech's varsity soccer team journeyed to San Luis Obispo to play Cal Poly last weekend and brought back a 2-2 score. The Beavers were lucky to tie as they played their worst game of the season. Part-time coach Huttenback who refereed the game said that this was the worst game that he had ever seen a Caltech team play.

Early in the first half Stefansson missed a penalty kick for Caltech, but he redeemed himself a few minutes later by scoring on a close-in shot. Caltech's

lead did not stand for long as Cal Poly booted in two fast goals and at halftime the score still stood 2-1.

Mentor raves

Even Huttenback's halftime rantings and ravings did not put last year's fire into the team, and they continued to play as individualists with little team spirit. In a final burst of fire, with less than 10 minutes to go in the game, the team pulled together and Stefansson tied it up.

Stefansson is now high scorer with 4 goals this season. Ted Matthes and Harry Bingham have each scored one.

Cal Poly's all-foreign team used Spanish almost continuously on the playing field. According to Spanish experts on our team it was better that not too many people understood Spanish.

Jayvees lose too

It was a bad weekend for the JV's too as they lost to a fast Midlands team, 6-1. Fischer set up the score for Caltech, but nobody seems to know who actually scored in the scramble.

Both teams are looking better in practice this week as rougher workouts are in order. The varsity will meet UCLA for the second time this season on Friday afternoon at 3:00 on our own field. The JV team will tangle with Thacher here on Saturday at 2:00. Both teams have lost one game to their respective opponents already this season. Without wins on the second time around we may finish in the cellar with the football team.

Tech tied for second

As it stands now, U.C.L.A. leads the varsity league. Caltech and Cal Poly are tied for second place with one win, one loss, and one tie apiece. Pomona brings up the rear with a winless record.

SCIC Standings

	Conf.			Overall		
	W	L	T	W	L	T
Pomona	2	0	0	5	0	0
Redlands	2	½	0	3	3	0
Oxy	1	1½	0	2	3	1
Whittier	1	1	0	2	4	0
CALTECH.....	0	3	0	0	5	0

I. H. Sports

By Paul King

Scoring easy victories over Throop and Ricketts, Dabney forged to the front in the inter-house basketball race. Blacker and Fleming took over second place with victories over Ricketts and Throop, respectively.

Dabney downed Throop in the opening game of the season, 60-35. The Darbs were led by Ron Marson, who scored 17 points. He was closely followed by Ray Weymann with 14 and John Howell with 13. Stan Manatt looked good for Throop in scoring 14.

Blacker kept their record of not being beaten in an inter-house contest this year by beating Ricketts, 33-25. George Epstein led Blacker with 13 while

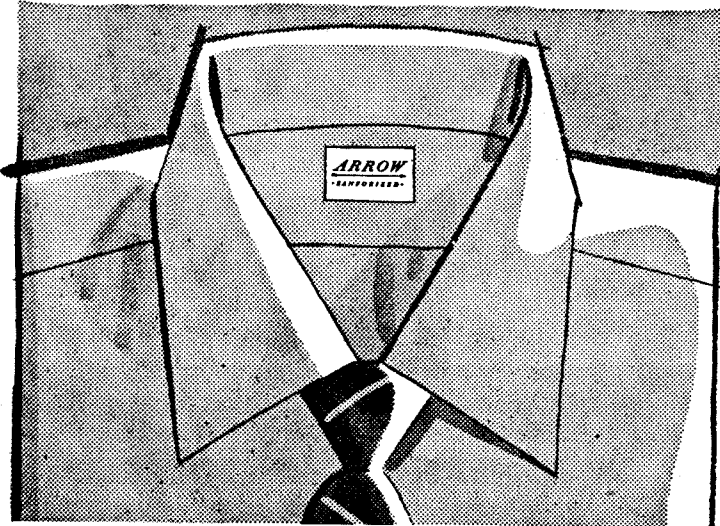
Jim Adams paced the Rowdies with nine points.

Don Wiberg led Fleming to 41-34 victory over Throop. The tall frosh scored 24 points. Manatt hit for 19 to keep Throop in the game.

Dabney easily downed Ricketts, 44-23. Marson again led the Darbs with 12 points and Weymann was again runner-up with 11. The outclassed Rowdies were led by Tom Trilling with nine.

The high scorers so far are:

	G	FG	FT	PF	TP
Manatt (T)	2	14	5	5	33
Marson (D) ..	2	12	5	2	29
Weymann (D) 2	12	1	4	25	
Wiberg (F)....	1	11	2	0	24
Howell (D) ...	2	9	1	3	19
Epstein (B) ..	1	6	1	2	13

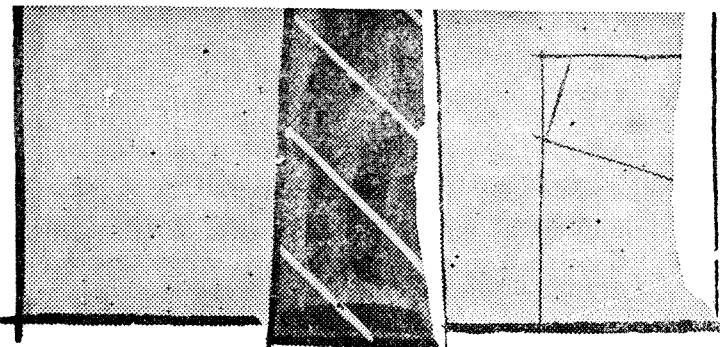


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Open Friday Night

Tech harriers whomp 'Dogs

Caltech's varsity cross country team whopped Redlands 25-30 last Friday. The meet was run on Redland's 2¼ mile course, as Tech has no suitable place for a home meet. All Tech conference meets will be away this year, as there seems little hope of the alumni giving us a cross country course.

The race was unusual in that Redlands took the first two places, but lost the meet. Beaver coach Julian Cole started to panic when he saw those first two Redlands men appear out of the woods, but quickly changed his mind when he saw that the next five runners were Tech men. Dave Crowther placed a close third behind Redlands' Kough and Chaffee, then the whole Beaver team bunched within less than a minute as Don Lewis, Fred Witteborn, Bob Tambling, and Van Walkley followed Crowther across the finish line.

The race was run at a very fast pace, as evidenced by the 10:59 winning time, and the team really had to work for the victory.

The Beaverbabes were beaten by Redlands 17-38 when the Bull-pups put four men in front of the first Tech finisher, Mike Rusch. Closely following Rusch for the Frosh were Reid Saunders, Tom Moore, and Steve Emanuel, plus heroes Sugahara and Zellenga. Winning time for the 1½ mile course was 8:12.

The varsity is enjoying their unbeaten record while they can, for tomorrow they trek to mighty Oxy. 'Nuff said.

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Paul A. Harmon

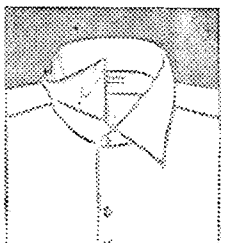


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Note the slotted collar for day-long neatness.

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Frosh Sports Roundup

By Bob Walsh

Caltech's frosh football squad lost its third straight game to Pomona-Claremont 25-0 at Pad-dock Field Saturday.

Despite outstanding running and pass receiving by Howie Hilton, the Beavers never came close to a score. The Pomona single-wing offense powered consistently for good gains, but the Tech game was inconsistent.

Van Kirk hurt

Bob Mitchell sparked the Beaver line with his hard tackles

CAMPUS BREWINS

(Continued from Page 2)

the elite of the Flem social group. John Bush and Jim Ball were noticed carrying out the primary purpose of man (entertaining women) in a lounge so dark that Mother Whaling, returning home about 11:30, surmised that everyone had left and went to bed himself.

Faux pas

Hot news from Darb pahty-pahty: lugubriously suave waiters Don Lewis (persistently, staunchly, upright), Jetter (un-stably crooked at 45 degrees), and Glasel (reclining, mostly), kept customers convulsed. Jay, alternately aweing and amusing the queens with his profound and startling quotations, was even invited by one to attend a house-warming the next day and and be "The Life of the Party." Supine, he inclined to decline. Later, bothered by noises and lights in the garage, he shouted "Turn off that G.D. light!" only to be properly mollified when he found he was addressing the bona fide home owners.

That crazy etc.

Bill Hecht took his Sat. nite date home to a girl friend's house; upon arriving on the scene at about two o'clock, Bill was whisked into the house by the friend's mother. There ensued a bit of a discussion on just how late San Marino girls were allowed to stay out. Seems like Bill took his refined date to Ocean Park in Santa Monica. Irony plays its large part, however. It seems that our "lecturer's" own daughter went on a recent Ricketts hayride. Witnesses add that this daughter is a fond advocate of hayrides, etc.—much etc.

INTERHOUSE

(Continued from Page 1)

through a dragon's mouth and once inside, guests will see the magic forest with a waterfall in front of the fireplace.

Fleming's decorations comprise a re-creation of Dante's "Divine Comedy" and will see the river Styx separating the house into Heaven and Hell.

Throop Club's "Fantastic Fantasy" will see surrealistic decorations in their lounge and their court will be a desert with a fountain in the center.

and Don Stocking's passing was greatly improved. With Dick Van Kirk on the sidelines with a torn knee ligament, Stocking connected consistently with Hilton.

The big weakness in the Caltech offense was failure to keep a drive going. Time after time a long gain would be followed by an interception, a fumble, or a big loss.

Krehbiel punts

A bright point in the game was the fine punting of fullback Ed Krehbiel. Although hampered by poor passes from center, he chalked up punts of 40 and 50 yards from scrimmage.

There is no game next week as the team snakes for midterms but the week after they meet California Baptist on the local field.

Press box (?) notes: Hilton's brilliant performance came despite the fact that he missed almost half the game with an upset stomach. . . Van Kirk will be out for the rest of the season and may miss part of the basketball season. . . Next week your reporter will bring you a report on the water polo and cross-country teams.

Tech debate team scores

Last weekend, at the San Diego Invitational Tournament, two certificates of excellence were awarded to Tech debaters. Don Meyer and Herb Rauch were each awarded a degree of excellence in lower division extempore speaking. Each had a record of two first places and one second in the three rounds in which they competed.

Almost

In another division of the tournament, Bill Lindley competed in upper division discussion and missed a degree of excellence by only one point out of a possible 15 for three rounds.

Not quite

Don Meyer and Herb Rauch also competed in lower division oral interpretation but failed to place. Bill Lindley entered upper division extempore speaking but failed to place.

Taking part in the tournament were representatives from all of the colleges in the Pacific Coast area and from the Rocky Mountain area active in forensic activities.

RUDDOCK CHOSEN

(Continued from Page 1)

ican embassy in Berlin from 1912 to 1916, and held the same post in Brussels the following year. From 1917 to 1920 he served in the State Department in Washington and from 1920 to 1923 in the American embassy in Peking. He has been associated as trustee or director with the Security-First National Bank of Los Angeles, Occidental College, the Los Angeles County Museum, the Town Hall of Los Angeles, and the Pasadena Civic Music Association.

Ruddock has been chairman of the advisory committee of the Los Angeles County General Hospital and chairman of the management committee of the Huntington Memorial Hospital. In 1943 he received the Arthur Noble award for outstanding service to Pasadena. Currently a resident of Santa Barbara, he is president of the Southwestern Development Company of Los Angeles and a director of the Universal Consolidated Oil Company, the Santa Barbara Foundation, and the Santa Barbara Museum of Art.

Dr. William B. Munro, former vice-president and treasurer, was professor of history and government at Tech for nearly twenty

TECH TROUNCED

(Continued from page 5)

up for the Oxy game and this year will be no exception. In last year's narrow 18-12 loss Tech almost pulled the game out of the fire and the team is determined to win this year. Oxy has only scored 41 points in six games and they were beaten last week by Redlands so they better watch out.

Statistics:

Rushing	TCB	YG	YL	NET
Menetrey	11	40	3	37
Lukesh	3	11	0	11
Christian	4	3	0	3
Okada	2	4	1	3
Tangora	1	1	0	0
McDonald	9	15	21	-6
Conley	2	4	11	-7
Passing	ATT	COMP	INT	YG
Conley	21	8	2	117
Receiving	No.	Yds.		
Christian	2	46		
Schmid	3	42		
Bogdanovic	2	16		
Grieser	1	13		
Final score:				
CALTECH	0	6	0	0-6
Pomona	20	0	27	13-60

years and has been a trustee since 1945. He is a trustee of the Huntington Library and the Huntington Memorial Hospital. Barber, his successor, has been a member of the board since February.

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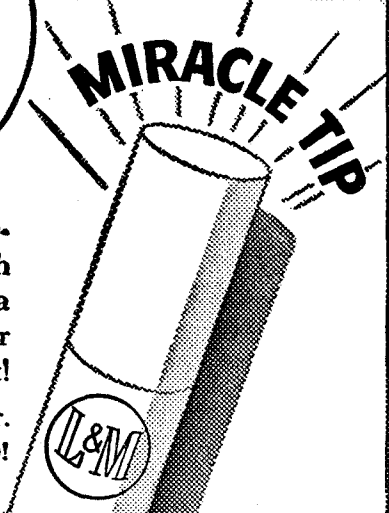
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