

Bonfire, Barbecue Tomorrow

Tech debaters score high in LACC practice tourney

The Caltech debate team took three medals for the third consecutive time at the annual Los Angeles City College debate tournament last weekend. Tech debaters took three undefeated medals in lower division and took two awards of excellence, one in upper division and one in lower division.

In frosh-soph men's debate, Mike Bleicher and Rube Moulton teamed to take their second consecutive undefeated medal at this tournament. The pair also copped an excellence certificate by receiving at least an excellent rating in each of their four debates and were rated higher than any other frosh-soph team. Another experienced member of the debate team, Marty Tangora, teamed with a newcomer, Mauritz Kallerud to take an undefeated medal. A new team, composed of Andy Perga and Eugene Cordes, combined to take all of the debates in which they participated.

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Cowan to talk Friday night

Dr. Eugene W. Cowan, associate professor of physics, will discuss cosmic rays at the Demonstration Lecture this Friday, November 12. The lecture, being given in 201 Bridge, will begin at 7:30 p.m.

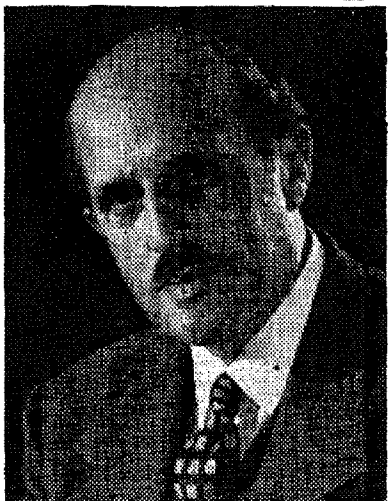
Professor Cowan's talk on "The New Unstable Particles" will deal not only with the unstable cosmic-ray particles of a transitory life of a few billionths of a second, but also with all the known types of invisible high energy particles which bombard our atmosphere.

A Caltech faculty member since 1948, Dr. Cowan's major research investigations have concerned cosmic rays. He has made studies of cosmic rays at very high altitudes in a series of B-29 flights and in Peru, and has devised a "continuous cloud chamber" for the detection and study of cosmic rays.

Caltech prof gets honors from France

Dr. Alfred Stern, Associate Professor of Languages and Philosophy at Caltech, received the insignia of a Knight of the Legion of Honor, one of France's highest awards, at a ceremony held yesterday morning in Dabney Hall Lounge.

By recent decree of the President of France, Dr. Stern was proclaimed a Knight of the order for his outstanding scholarly contributions to French culture and the valuable services he ren-



Dr. Alfred Stern

dered the cause of France during World War II.

Lt. Colonel Hubert de Pazzis, formerly chief of staff to Gen. de Castries at Dien Bien Phu and recently released from four

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Techmen to parade in cars to game at Oxy; dance to be held in Dabney Hall afterwards

Sophs to stage picnic, dance

The sophomore class will have a class picnic and dance on Sunday, November 21. The event, which will begin at 2 p.m., is tentatively scheduled to be held at Griffith Park. Final announcement of the site will be made in the near future.

Food

The picnic will include athletic events, fun-games, and a free dinner, featuring 1 and 1/2 lbs. of meat (hamburger) per person. Liquid refreshments will also be served. Following the picnic there will be a dance at a nearby location. Break-up time will be determined by the couples who attend.

Dates

A blind date service, for all those desiring dates, will be conducted by the sophomore class social committee. Those people wishing dates should contact their section leader or one of the social chairmen by tomorrow, Friday.

Sequels

This event will be the first of four which the sophomore class will stage this year. It is being planned by Bob Gelber, sophomore class president, Frank Kofsky and Bob Chambers, class social chairmen, and the class social committee: Walt Peterson, Herb Rauch, George Hall, Dick Smisek, and Gary Breitbard.

Corrections . . .

The conference of West Coast Spectroscopists will be held here February 3 and 4, 1955, not last week, as was erroneously reported.

Organizations are reminded that all activities are being posted in the Y lounge bulletin board, not lower Throop.

This Friday, November 12, will see the beginning of a new tradition at Tech. Instead of the annual Pajamarino, the ASCIT will sponsor a bonfire, steak barbecue, parade and dance. This change has been made as a result of the many complaints registered by local markets over loss of boxes and also because of lack of space in which to hold the big fire.

Tech YMCA finance drive starts Monday

The Caltech Y opens its week-long fund-raising campaign Monday. Graduates and undergrads will be asked to help support the Y program by contributing during the annual drive.

Y treasurer Van Walkley is drive chairman. Joe Gibbs is in charge of solicitation for Blacker House, Chuck Brokaw will handle Dabney, Baird Brandow Fleming, and Jim Workman Ricketts.

Charles Anderson will handle contacting of off-campus frosh. John Velman, Jim Girard and Art Kamii are to see off-campus members of the other three houses.

Y programs and services include forums, lunch clubs, fire-sides, the book exchange, the loan fund and other services to individuals and organizations.

The annual Fall finance drive is the only occasion during the year when students are asked to help support the Y. Other financial support comes from faculty, the Institute and interested citizens of Pasadena.

Starting at 5:45 p.m., the barbecue will be held on the baseball diamond in Tournament Park. A pound of beef is promised to everyone. There will be no charge for the meal to holders of student house meal cards. A charge of 50c will be made to non-resident student body card holders. The price of meals for dates of ASCIT card holders will be 75c. Anyone else will be charged \$1.00. Tickets should be obtained from the Deans' Office before the event.

Immediately after the dinner, there will be a pep rally around the bonfire. The fuel for the bonfire will be telephone poles and scrap lumber, which freshmen will guard tonight against premature lighting. After the cremation of an Oxy tiger atop the inferno, a caravan of Tech cars will roar off to Oxy and the football game. First rep Bob Kausen urges everyone to show his originality in decorating his car with the school colors for the parade.

Following the game at about 10:30, Tech grad students will be hosts to Techmen and their dates at a dance in Dabney Hall. Refreshments will be served and music will be provided by Dick Jaffe's Quartet. The event will last until 1:00 a.m.

Interhouse melee packed, throngs gasp with awe

By Marty Tangora

Seems as the Interhouse is always over too soon, even though the decorations are never finished soon enough.

Be that as it may (to coin a phrase), it's all over now for another year, and the only traces left are stray splashes of paint in the courtyards and the lounges, and weird remnants of decorations in scattered rooms and alleys. And everyone agrees it was the best ever.

No rational explanation can be offered for the kind of work that goes into an Interhouse Dance. Maybe it's just a grand blowing-off-of-steam; maybe it's mob hysteria. Anyway it's pretty impressive. (Even the L. A. Times covers it.)

Poor Dorothy

The Wonderful Land of Oz was brought en masse (en microcosm) to Blacker House for the evening. Out in the courtyard ran a bubbling brook which turned out to be at floodwaters around nine o'clock. A cheerful Tin Woodsman who was always sticking his tongue out at people, and a Cowardly Lion who needed a moth ball here and there, greeted the couples as they entered (or, as was more often the case, left) the court.

Both of the above gentlemen were wired for two-way sound; the wise guy who was speaking for them practically scared the pants off the girl, who leaned too close before she realized that the thing was "alive."

The Scarecrow was relegated to a minor role in the courtyard. However, his lot was better than that of poor Dorothy, who was left out entirely. (Can't win 'em all.)

The Ghostly Greenery

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Weir, Thomas talk to Caltech forums

"What is leadership" will be the subject of a talk to be given by Dr. John Weir to the undergraduate luncheon forum, Tuesday noon at the training table. Wednesday noon the graduate faculty forum will hear Mr. Thomas speak on "The Christian Conscience and Race Discrimination" at the Athenaeum.

The Frosh forum will have elections on both Monday noon and Thursday noon at the training table.

These forums are sponsored by the Caltech Y.

Pajamarino viewed in retrospect; good old days seen gone forever

By John Young

Part of the popular legend of "college life"—that gay four years spent in cashmere sweaters and white bucks—includes, for most people, the weekend in the fall when the football team goes out for the "big game." Along with such memories is the string of parties both before and after.

In the same vein as the Stanford-Cal rivalry or the Harvard-Princeton "big game" is Tech's yearly football struggle with Oxy. And Tech's version of "whooping it up" beforehand has, over the years, developed into the unique expression of school spirit and costume ingenuity—The Pajamarino. With the passing of the old pajamarino, we mark the death of a tradition.

The old pajamarino was strange in many ways, though. An emotion-releasing parade in pajamas is certainly not found in every college. Usually the big drive for a winning football game is made by both schools involved. But, over the years, the Oxy-Tech rivalry has been pretty much a one-sided affair. Oxy's big game is with Pomona, and their view of Tech enthusiasm for the game with them is pretty much that of a calm adult looking at his playful child.

If Oxy doesn't give a care about the game, why should we? The Pajamarino and Oxy game is probably one of the oldest traditions at the school. As far as old-timers can remember, it was going strong in 1925 and probably several years before. In those days the parade started

about 3:30 or 4:00 in the afternoon, with Techmen in pajamas doing their best to snarl traffic in the busiest of Pasadena streets. It was an affair witnessed by most of the citizens of our fair town, and for once at least each year the staid Pasadena knew for sure that their Caltech men were a loud voiced and spirited lot. With memories of old Pajamarinos go also memories of irate letters written to the Pasadena papers each year by people who thought that such nonsense was out of place. But their efforts to kill our celebration were fruitless.

It was really a side effect of the victory bonfire which brought on its final death. For as long as can be remembered, the box-stealing competition has

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California Tech

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The assembly hours

Amidst all the busy hours at Tech, every beaver theoretically has one or two periods of freedom. These idyllic hours were originally set aside clear of all classes to allow for organization meetings, class gatherings, and assemblies.

Recently, the ROTC and other groups have been pressing to use these as class hours to avoid conflicts or evening classes. Thus, with the demise of the student body assembly, the assembly hours have come under attack.

With the exception of the freshmen, who have a lecture Monday, the entire student body is free Monday and Thursday at 11:00 a.m. These are choice hours; most everyone is awake and unhampered by football practices, PE, or afternoon employment. Surprisingly, the hours are hardly used.

Many years ago, the Institute scheduled weekly lectures for compulsory assemblies. Now, Caltech's enrollment is too large for any auditorium on campus. Considering the student attitude toward required courses and student reception to lecturers in general, the compulsory assemblies, which so tempt those who want to introduce culture or spirit or entertainment, are actually impractical.

Since the Institute dropped this program, the ASCIT has sponsored occasional assemblies for entertainment or business. With a great deal of drive, these have been successful, but there has been no assembly this year. Why should there be? The ASCIT social program, with more entertainment and more participation, seems more deserving of scarce funds.

Lastly, the other organizations that once demanded the assembly hours are now abandoning them; class meetings will probably be held at noon after this, and other organizations find the evening a better time.

All this adds up to the conclusion that the free hours for assemblies are just not achieving their purpose, but instead adding to the difficulties in scheduling classes. Cutting them out might ease conflicts and eliminate a few night classes.

If the ASCIT needs an hour for an occasional assembly, perhaps one assembly period a week is desirable, but a less important hour would appear better.

As seen from here, getting rid of at least one 11:00 assembly hour would be a boon for Tech.

Midterm blues

Don't panic, frosh!

Just because you're behind in everything from physics to history, just because you aren't setting the world afire like in high school, and now, just because you've got a blue slip from the dean's office, don't give up.

Blue slips are sent out merely as an indication of below average work. It's to your advantage to detect deficiencies now before the term is over. A blue slip can be sort of a yellow light; the outcome can be disastrous or successful.

Now, with this first indication of how you and college mix, stop for a piercing gaze to see where any difficulties lie. Now is the time to get those study difficulties ironed out.

Don't hesitate to see the deans for help. Caltech's deans aren't the scolding type—they'll do all they can to help keep you in. And don't forget, a chat with the deans might mean a handy connection if reinstatement is ever on the books.

In short, keep a cool head, you can pass yet!

Congratulations!

The California Tech joins the rest of the world in applauding a great man.

Hats off to you, Dr. Pauling! The Nobel prize is a fitting reward for your brilliant developments in structural chemistry forming so much of the foundation for modern chemistry, and for recent research in long-mysterious biochemistry and proteins. It indirectly symbolizes a respected leadership as president of the American Chemical Society and chairman of Caltech's mighty chemistry department, as well as a vital part in chemical education.

It's a proud Caltech that bids you congratulations for this supreme honor.

Beadle hosts first fireside

Dr. George Beadle, chairman of the CIT biology division, will host the first Fireside of the year, which will be held Sunday, November 14 in his home, 1149 San Pasqual. Those planning to attend will leave Fleming Lounge at 7:15 p.m. The event is scheduled to start at 7:30 and will last for two hours.

Sponsored by the Caltech Y, the Firesides are informal get-togethers of Caltech men who are invited into faculty members' homes for an evening of conversation on any non-academic subject from art to sex. Light refreshments are usually served, and the occasion gives CIT students a chance to talk to and meet the faculty in a more casual atmosphere than the classroom.

Another Fireside is planned for December 5, the details of which are not yet known. An increased Fireside program is also planned for the second and third terms.

Folk dancers whirl next Sunday night

The first dance of the term of the Caltech Square Dance Group will be held this Sunday night in Culbertson at 7:30. The evening will be complete with a square dance caller, girls from Occidental and PCC, and refreshments. Instruction in basic folk and square dancing will be given.

Everyone interested should sign up on the lists posted in the student houses and lower Throop or contact Kim Malville or Pete Lauritzen in Blacker. Everyone especially beginning is invited.

Present security system criticised by Dr. Beadle

By Jerry Fried

"Security clearance as now practiced violates the basic principles of justice in a free society. It assumes one is a poor security risk until every shred of doubt is removed. Such a system should be tolerated only in connection with policies and plans of the most critical kind."

These were statements made by Dr. George Beadle, biology division head and president-elect of the American Association for the Advancement of Science, at last Wednesday's Y graduate-faculty lunch forum.

Dr. Beadle stressed the fact that while certain kinds of information need to be classified, areas in which classification is practiced should be reduced to a minimum. He pointed out that too tight a security system may delay scientific progress to such an extent that complete stagnation results.

As an example of the unrealistic policies in force today in regard to security clearance, Dr. Beadle pointed out "glaring inconsistencies" in the Atomic Energy Commission's recent stand in denying clearance to Dr. J. Robert Oppenheimer. "On the one hand," Beadle stated, "the Gray Board found Oppenheimer to have amply proved his loyalty, good judgment and discretion in his twelve years of atomic energy work. In recommending denial of clearance, they emphasized lack of enthusiasm for the H-bomb program. The Commission switched back to associations and behavior of which it had full knowledge for

"Woman was God's second mistake."

—Nietzsche

We found the above noble words among the dust of last year's Brewin's, and since its message is no less timely now, we give it to you again. Also the Beak is still puzzled about the Almighty's first mistake—Might it be Caltech?

The Beak is certainly gratified to see all of his little followers actually get dates with real girls (or women for the more sophisticated). The Interhouse may have all sorts of extraneous value, but it is still the one time of the year when the Beak sees his campaign for greater sexual activity really get into high gear.

Blacker's yellow brick road may have been full of water, but there definitely was no wet blanket over their party. It was rumored that the talking scarecrow was making obscene comments as neat women passed by, but the scarecrow has told the Beak that it is a lie.

—Beware—

"Her Mother Never Told Her, The Ways of College Men,"—but Black's date had a much more cautious mom. This well tutored lass, knowing full well the perils of a room in a men's dorm, absolutely refused to step beyond the door into Myron's room. Thus conversation was carried on with the girl outside (in the hall) and poor Black sitting in the room. Tut, tut—and after all the work he did to clean it up.

—The Knife in the back—

If this isn't a perfect FYB, then the Beak will resign. Jan Arps, Blacker steady lover, played good guy the other Saturday and lined up a date with his steady's room-mate for Rowdy Sam Phillips. Evidently the boys

Campus Brewins

had a good time, for at the end of the evening Phillips thanked Arps profusely for arranging the meeting. The shock came the next day when Arps' steady called him up to tell him that friend (???) Sam had just asked her for a date. But Arps' House Pin was more powerful than Sam's wooing—and she remained loyal. Beware—don't get blind dates for Sam Phillips.

Ricketts came close to stealing Fleming's Interhouse theme i.e. Inferno, Saturday night, when the mighty Rowdy Rocket, ably assisted by Frey, began to sprout flame. The Beak, was apalled momentarily, but the sight of Griff dousing the flames with "Rocket Fuel" punch, and Hensely washing down Roberts with the fire extinguisher turned the grief to mirth.

The FYB Trophy goes to Schroeter for his fine work on Bailey. Honest John is still thawing out after a night in the deep freeze of intellectual companionship.

Note on Interhouse construction: Crocker and Wilkinson seen groping up from the floor into a cluster of skirts. Their suavely stated excuse, "We were working on the make out room and had to go."

Enigma

The Beak has finally gotten his chance to impale Bergeman after two weeks of cutting by the editor. Our hero, after floating Pomona way and back in the caressing arms of love, couldn't even remember the plot of the flick he had just seen—**Gone With the Wind**. But later, after taking the same Femme to the Interhouse Dance, he was heard to remark, "I might as well have been drunk." Oh well, win a few, lose a few.

Awards go to grad students

Two Caltech graduate students have been awarded research fellowships by the General Electric Company. George M. Arcand, Ph.D. candidate in chemistry, and Hugh J. Martin, Ph.D. candidate in physics, received \$2100 fellowships for the 1954-55 academic year from the company.

Arcand

Arcand, who was born in British Columbia on Feb. 9, 1924, received his bachelor's degree from Caltech in 1950. He attended the University of Minnesota in 1950-51 and then returned to Caltech to complete his training. He expects to receive his Ph.D. in June, 1955.

Martin

Martin was born in San Diego on Sept. 1, 1926. He attended George Washington University and then came to Caltech, where he received his bachelor's degree in 1951. Since then he has been engaged in graduate study here at Caltech.

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Dabney, Fleming plan to see plays

Dabney and Fleming are both planning theater parties for this Saturday, November 13. Dabney will see Shakespeare's "Midsummer Night's Dream" at the Shrine Auditorium. The classic is being presented by the Old Vic Company from England. After the play Dabney is having a dance back at Caltech.

Fleming is also having a theater party Saturday night, but they have not as yet decided where they are going.

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Interhouse represents three years' work, small fortune

By Marty Tangora

If one man had started three years ago and had worked constantly at a 40-hour week (no vacations) with a capital supply of more than \$1500, he could have produced the 1954 Interhouse Dance.

This was one of the results of a very interesting survey which was taken in the houses last week by Dick Jali and his crew. More statistically specific, it says that 6085 man-hours of work went into this year's dance.

The survey centered about the question, "How much time did you spend working on the Interhouse Dance?" The following figures were arrived at, and are shown in breakdown by house and by class, rounded off to whole numbers of hours:

	B	D	F	R
Soph	15	21	7	14
Frosh	14	24	8	8
Junior	17	27	20	18
Senior	7	38	13	14
Avg. per man..	15	27	12	14

These figures were so high that Jali decided to ask another, more daring question: "Do you think the Interhouse is worth all the work that goes into it?" Answers broke down into houses as follows:

	B	D	F	R
Yes	85%	69%	79%	73%
No	6%	20%	9%	19%
No opinion ..	9%	11%	12%	8%

Many of the men who answered this question "no" said that although the dance alone was not worth it, there was sufficient value in the tendency to unify the members of the house by working together. Others said the dance was too short and should somehow be extended over a longer period.

There was some feeling that too much money was spent on

the event, and that it could have been better used elsewhere in the social programs. However, the great majority felt that the Interhouse was spectacular and unique, and well worth all the effort put into it. Apparently, in spite of tired backs and sagging GPA's, the interhouse will be around for quite some time to come.

Jali was aided in the various houses by John Myers, Walt Peterson, Galen Sarno, and Jerry Crocker. The pollsters reached a sampling of better than two-thirds of all the men in the houses.

INTERHOUSE MELEE (Continued from Page 1)

In Dabney (we're proceeding by alphabetical order, just to try something new) was an Enchanted Forest of greenery and progressive jazz. A gigantic owl in the courtyard was rigged up with photocells to do something or other but nobody could figure out exactly what; though everybody admitted it was pretty clever. A dragon's gaping jaws led insecurely to the lounge where, safe from gigantic spiders and bright-eyed owls, one could dance comfortably in the shadow of a tiny enchanted castle.

There have been vile rumors that after the band left Jack Kofsky stayed on and played the piano for die-hard "cool sound" fans. These rumors should be discredited, although true.

Dante rides again

Fleming went ape on Latin quotations for the first time in recorded history. Dante's "Divine Comedy" (Inferno et paradicio) was the basis for their schizophrenic production. In Hell one danced evilly under the glare of an evil bat-faced monster, while soap, water, and red

paint boiled evilly in a great cauldron on the fire. In Heaven one didn't dance much at all because of the linoleum floor but one could sit in large evil easy chairs and study the glass wool clouds on the ceiling.

To new heights

Rocket 3x23 (alias 70-1) dominated the skyline of the student houses from Ricketts courtyard. The rocket measured more or less 57 feet to the red light (what color light?) on the needle-nose.

If you could elbow your way through the crowd in the blockhouse, you could get into the lounge, which was a mock-down of the surface of an alien planet (moon, for the purists). Volcanoes belched forth snuff and snarling packendires glared at the dancers from the mountainsides. In the blockhouse itself was a middle-sized museum of miscellaneous unrelated electrical equipment, and a sliding door to the M.O. room (that's not for modus operandi) which nobody had learned how to operate.

There was something about a firing of the rocket's engines but there are conflicting reports about this.

Foresighted?

Throop used foresight in calling their theme "Fantastic Fantasia" since now they can call next year's theme "Realistic Fantasia" and use the same decorations. They better throw out the eyeball, though; several girls almost got sick. The courtyard sported a bean-shaped fountain, while mobiles and modern art filled the lounge.

It seems sort of funny to go to bed at a decent hour. Just think—it'll be six months before we start on the next Interhouse!

"Hurray," cried the rabbit running out of the forest fire, "I've been defurred!"

"You remind me of the ocean."
"Wild, romantic, and restless?"
"No, you make me sick."

Bloodmobile to visit Tech; Marinkovitch heads drive

On Wednesday, November 17, the Red Cross Bloodmobile will again visit the Caltech campus. The equipment will be set up in Dabney lounge to take blood from one to six in the afternoon. Anyone in good health who is 18 through 59 years of age and weighs at least 110 pounds is eligible to give. Registration slips and parent consent slips for minors are available in the Personnel office in Throop Hall.

Members of the student houses and Throop Club will be able to obtain registration blanks in their respective houses. Each house has a chairman who will attempt to contact each living man in that house. The Drive Chairmen in the houses are: Ben Cummings in Fleming, Ed Berry in Dabney, Don Evans in Blacker, Rube Moulton in Ricketts, and John Andelin in Throop Club. Vince Marinkovich, undergraduate chairman of the drive, urges students to support their blood bank. Every pint of blood donated by students is put into the student blood bank. The blood is then available to the donor or to any member of his family.

Today, the demand for blood for civilian purposes is great.

Whole blood is used in cases of hemorrhage, for accident victims, and day to day surgery. This blood may be separated into plasma to treat shock and burns and red cells to treat anemia. The plasma may be further processed into antihemophilic plasma to treat hemophilia; serum albumin to treat liver and kidney diseases; gamma globulin to help combat measles, hepatitis and polio; and fibrinogen for use in severe cases of childbirth hemorrhage.

As in the case of the students all the blood donated is put into a Caltech Blood Bank. Anyone donating blood becomes a member of the Bank and has access to the blood for himself or any member of his family. Mrs. Stroy in the Personnel Office is the group blood program chairman. She handles all the accounts of the bank and is the one to see for further information concerning the drive or the bank.

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CALTECH PROF

(Continued from Page 1)

months in communist prison, presented Dr. Stern the insignia of the order, a star with five two-fold rays surmounted by an oak and laurel crown and bearing the inscription, "Honneur et Patrie." The ceremony

was attended by many members of the faculty and student body.

Dr. Stern has published a great number of books and articles in French, English, Spanish and German, many of which deal with French philosophy and literature. Dr. Stern also wrote the basic article on French sci-

ence and philosophy for the current edition of the "Encyclopedia Americana."

Dr. Stern came to Caltech in 1947. In addition to teaching here, he also lectures at the University of Southern California. Stern was born at Baden, Austria (a little town near Vienna)

on July 19, 1899. From there he moved to France and then to Mexico in 1942 when France was over-run by the Nazis in World War II. Dr. Stern published in the next three years a book and hundreds of articles in support of the cause of Free France.

Dr. Stern has taught at the University of Paris, the New University of Brussels, the National University of Mexico, the French College in Mexico City, and the French University in New York. He received a Ph.D. from the University of Vienna in 1923.

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This is one of a series by the people of Union Oil to explain how business functions. Your comments are invited. Write: The President, Union Oil Company, Union Oil Building, Los Angeles 17, California.

Tech, Oxy in big game tomorrow

Tomorrow night at Oxy's Patterson Field the Caltech gridders meet Occidental in the annual big game. The Tech team has had a two week rest and the men will be ready to go when the whistle blows. Junior quarterback Phil Conley will lead the team into action. He will be backed by an all-senior backfield of Walt Menetrey, Bob Christian, and George MacDonald and will be throwing his passes to two senior ends, Ray Grieser and Dick Schmid.

Oxy's big man will be all-conference quarterback Vince McCullough and the team features a backfield with speed to burn. On paper the Tigers will enter the game as big favorites, but that means nothing in this rivalry between the two schools.

Last year Oxy was also favored and they had a tough time eking out an 18-12 victory.

Common opponents for the two teams this year have been L.A. State, Pomona, and Whittier. Oxy tied State 6-6, lost to Pomona 14-7, and beat Whittier 13-7. The Beavers lost to L.A. State 20-12, to Whittier 53-13, and to Pomona 32-13 and 60-6.

Caltech has a potentially good team this year and they played a couple of good games at the beginning of the season. In the last two games, however, the Beavers have not played up to their full capabilities. The two week rest should have done the team some good and a fired up team will go out and give Oxy a good battle.

For the five games to date, individual statistics are as follows:

Rushing	TCB	YG	YL	NET
Menetrey	50	203	5	198
Christian	28	84	10	74
MacDonald	33	96	23	73
Conley	33	119	60	59
Tangora	10	58	3	55
Lukesh	10	50	1	49
Lang	8	38	0	38
Lloyd	1	2	0	2
Okada	16	22	41	-19

Receiving	No.	Yds.	TD
Schmid	11	162	1
Grieser	6	60	1
Nelson	4	24	1
Tangora	3	42	0
Christian	2	46	0
Boganovic	2	16	0
MacDonald	1	14	0
Lukesh	1	11	0
Lloyd	1	10	0
Lang	1	4	0

Passing	Att	Comp	YG
Conley	95	32	392

Oxy swimmers sink Caltech

Last Friday the Caltech water polo team was rudely jolted out of first place by Occidental to the tune of 8-5. The Beavers led 5-4 at the end of three quarters, but Oxy threw in four goals in the last period to gain the victory.

The game was not all it might have been as far as the rules were concerned, but the fact remains that Tech is no longer undefeated in conference play.

Jim Ball again led Tech scorers as he scored three goals. John Bush and Dave Yount each also scored one for the Beavers.

The next game for the splashers will be against L.A. State on Friday.

Tigers dump Tech runners

Caltech's varsity cross country team was beaten last Friday for the first time this season, as Occidental overpowered the Beavers 18-41. The meet was run on Oxy's 3 mile course, which includes the steepest hill in Southern California the first time around, and the steepest mountain in the west the second time.

Dave Crowther placed fourth behind Oxy's big three—Wray, Stokesbary, and Vince Gilliland. Wray and Cokesbary broke the course record as they tied for first in 16:33. Don Lewis pulled in sixth for Tech, and fast-improving Fred Witteborn took eighth. Bob Tambling and Van Walkley placed eleven and twelve, respectively, to fill out the Beaver team.

Tech meets Whittier tomorrow in what should be a very close race. The team has been pointing for this one for some time, and could well come home with the first victory over the Poet varsity in quite some time. The meet is to be run over Whittier's rugged, hilly three mile course, where the home team has a definite advantage by knowing the course.

SCIC Standings

	Conf.			Overall		
	W	L	T	W	L	T
Pomona	2½	0	0	6	0	0
Redlands	2	1	0	3	4	0
Whittier	1	1	0	3	4	0
Oxy	1	1½	0	3	3	1
CALTECH	0	3	0	0	5	0

Games last week:

Pomona 22, Redlands 6
Whittier 21, L.A. State 0
Oxy 44, Cal Aggies 13

Games this week:

CALTECH at Oxy
Whittier at Pomona
Redlands at Santa Barbara

Booters bow to Bruins meet Cal Poly Sat.

It was a bad weekend for soccer as both the varsity and JV teams lost. The varsity dropped one to UCLA 4-1, and the JV's to Thacher 5-1.

UCLA jumped to an early lead as a combination of poor play by your sports staff (i.e., Kalm and Helgesson) gave them two quick goals. The defense then got mad and tightened up, but the UCLA center forward was too hot to handle, and he scored once again before halftime. Caltech had some tough luck as Ted Matthes bounced one off the goal post and several other attempts were foiled.

Steffanson scores

Caltech played a more inspired second half, holding UCLA to a 1-1 score. Rafn Steffansson played his usual good game at center half and center forward for the Beavers. He also scored Tech's only goal, increasing his season's total to 5.

In spite of the score Caltech played a good game, and actually had more shots than UCLA. The loss put Caltech in third place in league standings.

In the JV game it was Thacher all the way as the Caltech offense couldn't get rolling. The score stood 3-1 at halftime. Nobody seems to know who scored for Caltech, some rumors had it that it might have been the Thacher fullback kicking the ball back to the goalie. Thacher slipped two more into the goal in the second half to make it 5-1. The Caltech defense got a good workout as most of the game was played in that half of the field.

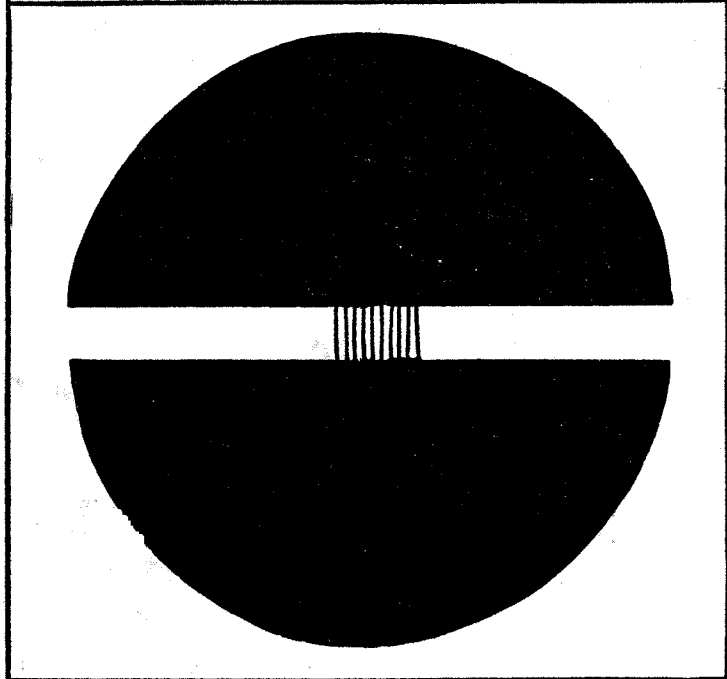
This Saturday the varsity meets Cal Poly on our own field at 2:00. Caltech should win this one as the team has improved over the last two weeks. A win would put Caltech back up to second place in league standings.

The JV team will journey to Midlands for a Saturday afternoon contest.

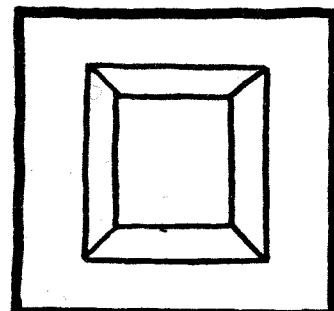
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WHAT'S THIS DROODLE?

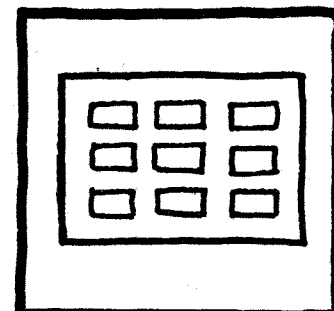
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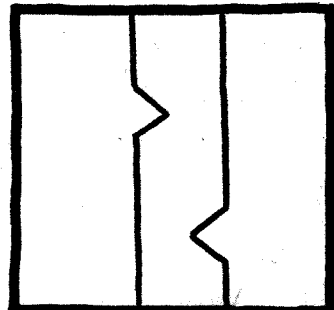
ACCORDING TO THE LARGEST and latest coast-to-coast college survey, college smokers prefer Luckies—and by a wide margin. The No. 1 reason: Luckies taste better. Thousands of students appreciate Luckies' better taste almost as much as the pair in the Droodle above, titled: Sweethearts attempting to kiss and enjoy better-tasting Luckies at same time. Luckies taste better for good reasons. First of all, Lucky Strike means fine tobacco. Then, "It's Toasted" to taste better. This famous Lucky Strike process tones up Luckies' light, good-tasting tobacco to make it taste even better—cleaner, fresher, smoother. So, enjoy the better-tasting cigarette . . . Lucky Strike.



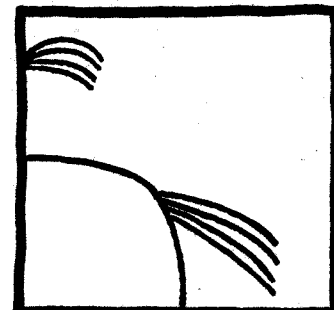
LADY SCRUTINIZING SELF IN MIRROR AFTER USING VANISHING CREAM
Lili Whitfield
University of North Carolina



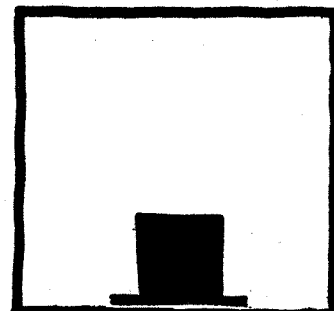
SWISS CHEESE MADE BY I.B.M. MACHINE
Mort Fink
Brooklyn College



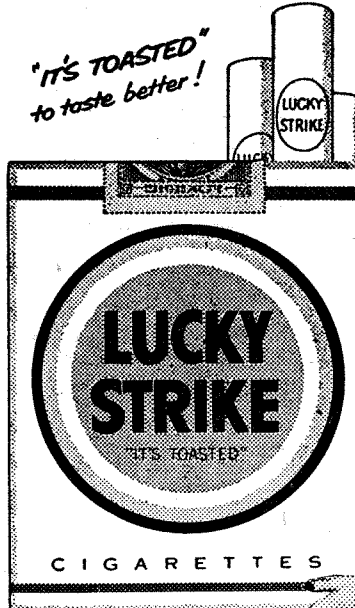
TREE BEING FELLED BY MIDGET AND TALL FRIEND
Donald O. Kistner
Texas Tech



GIRL WITH PONY TAIL RIDING PONY
William H. Harris
Washington State College



MELTED SNOWMAN
William F. Eicker
U.C.L.A.



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I. H. Sports

By Paul King

Dabney's sharpshooting basketball team has made the inter-house hoop race strictly a one team affair. The Darbs need only a victory over Fleming to end the season with a perfect record. Blacker and Fleming have hung onto second place while Throop and Ricketts trail.

Blacker wins

Blacker downed Fleming 29-26 in the season's tightest game. Big Don Wiberg's 16 points were not enough for the men in red. George Epstein and Phil Wade led Blacker to victory.

Throop escaped the cellar with a surprisingly easy 33-22 victory. High scoring Stan Manatt led Throop with fifteen points. The outclassed Rowdies were led by Frank Rosbach.

Blacker loses

In the big game of the season Dabney dealt Blacker its first interhouse defeat of the year, 39-24. Ron Marson's 23 points were the big difference. Frosh Marson has been an outstanding performer all season for the Darbs. Wade and Gene Barston led Blacker with eight points each.

Monday's game saw Fleming trounce Ricketts, 34-23. It was the Rowdies' fourth straight setback. Wiberg again led Fleming with twelve points. He was ably supported by Horace Furumoto with eight. Rosbach also counted eight for the losers.

Standings:

	Won	Lost
Dabney	3	0
Blacker	2	1
Fleming	2	1
Throop	1	2
Ricketts	0	4

High scorers:

	G	FG	FT	PF	TP
Marson (D) ..	3	21	10	2	52
Wiberg (F) ..	3	22	8	4	52
Manatt (T) ...	3	21	6	7	48
Rosbach (R) 4	13	2	5	32	
Weymann (D) 3	15	1	5	31	
Epstein (B)..	3	12	3	7	27

TECH DEBATERS

(Continued from Page 1)

Other teams

Also entered in frosh-soph division were the teams of Mike Gray and Tom Gunckel who won one of four, Kim Cranney and Read Warriner who won three of four, Duncan MacDuffie and Gene Barnes who took two of four, Herb Rauch and Don Meyer who won three of four, and Leon Keer and Jerry Freeman who captured one of four debates.

Upper division

In junior-senior debate, the team of Bill Lindley and Myron Black combined to win three of four debates but received an award of excellence. By receiving a rating of seventeen this team ranked as the highest of the junior-senior teams at the tournament. Also entered in this division was the team of Ray Orbach and Miles Nesman who won two of four rounds.

Victory?

Caltech took more medals than any other school entered in the tournament and further claimed victory by receiving more excellence awards than any other school and placing, in each di-

PAJAMARINO VIEWED

(Continued from Page 1)

been going on. Before the Houses were built, it was between fraternities. And in the twenties and thirties, firewood was pretty cheap. Even the Police and Fire Departments put their blessing on the event, and passively approved the gathering of boxes.

In the past several years, the Papamarino has seen a steady decline of enthusiasm. Boxes have been getting harder and harder to get, with merchants becoming more hard-nosed each year, and the whole business seems to grow a little more pointless each time the pageant is re-enacted.

So maybe the end was inevitable—it looks that way. Maybe the idea started this year will be more in keeping with the reality of things. But we are going to miss those nights in the Altadena city jail.

vision, a team that ranked higher than any other team in that division.

The L.A.C.C. tournament is open to all the colleges on the Pacific Coast and was attended by more than thirty schools this year. Ten teams were entered from Caltech.

Dr. DuBridge back at Tech

Chairmanship of the influential Science Advisory Committee in Washington and presidency of Caltech in Pasadena make an amazing dual career for Dr. DuBridge. After three weeks of leadership in the federal government, President DuBridge returned last week to take over the reigns of the campus again.

In the capitol, Dr. DuBridge chaired the SAC in preparing a report on the effect of recent technological advances on the military. President James R. Killian of MIT headed the subcommittee preparing the report. Caltech's Dr. Robert Bacher and Dr. Charles Lauritsen are also on the SAC.

While in Washington, president DuBridge delivered an address at the dedication of a new applied physics lab at John Hopkins University, and served on the board of directors of the Rand Corporation, a private concern conducting research for the Air Force.

Frosh Sports Roundup

By Bob Walsh

Water polo stole the limelight last weekend as the frosh swimmers scored their first win, an 11-3 victory over Oxy.

Tech pulled to a 7-2 halftime lead as Vince Taylor caged four successive goals in the second quarter. Clarke Rees's smashing goals and Taylor's fast break featured the Beaver offense. Taylor lead the scoring with six points from his center forward, or sprint, position. Left forward Rees and Keith Martin, right forward, followed with four and one, respectively. Other starters included Ron Leonard, Wayne Smith, Bob Smoak, and Mike Konrad, who played a fine game as goalie.

Harriers edged

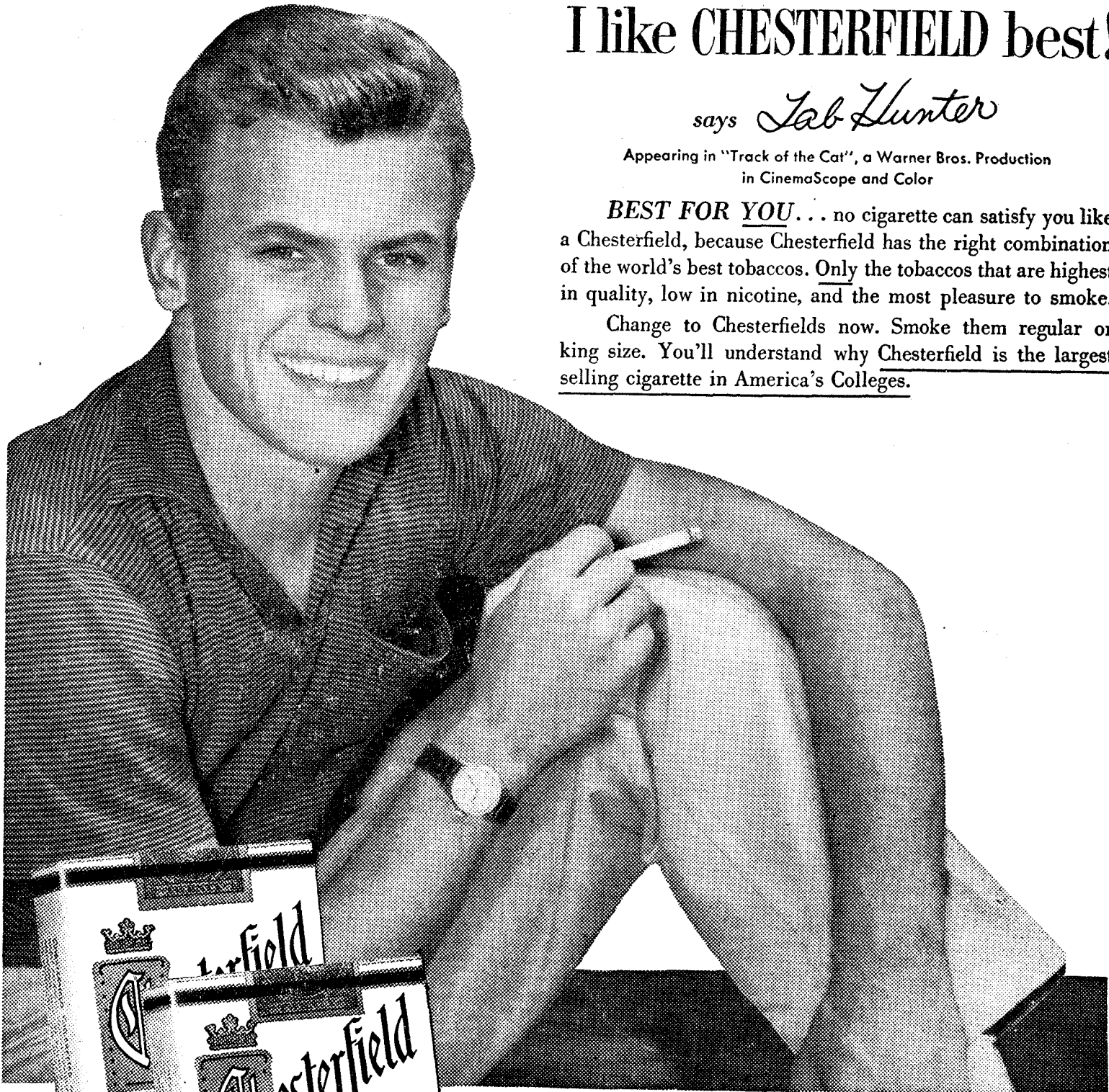
The frosh cross-country team, hampered by lack of depth, lost a 27-29 2-mile race to Oxy Friday. Reed Saunders, Tom Moore, and Mike Rusch finished second, third, and fourth respectively, but Oxy's strength in numbers gave them the two point edge. At present only four men are members of the Tech squad, and two men from the soccer team, Kay Sugahara and Jack Zeilenga, enter the meets to give the team its full complement.

Press Box (?) Notes: We found water polo to be a fast-moving, hard-played sport and recommend it to Tech fans . . . Better bring a towel, however . . . Frosh basketball begins workouts on November 22 . . . Cal Baptist meets the football team on the local field Saturday afternoon.

Soccer standings

	W	L	GF	GA
UCLA	4	0	30	5
Cal Poly	2½	1½	12	16
CALTECH	1½	2½	7	10
Pomona	0	4	2	20

Games last week:
UCLA 4, CALTECH 1
Cal Poly 6, Pomona 0.



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