

If we're all
so smart . . .

California Tech

Associated Students of the California Institute of Technology

. . . why are we
going to Caltech?

Volume LXVII.

Pasadena, California, Thursday, November 4, 1965

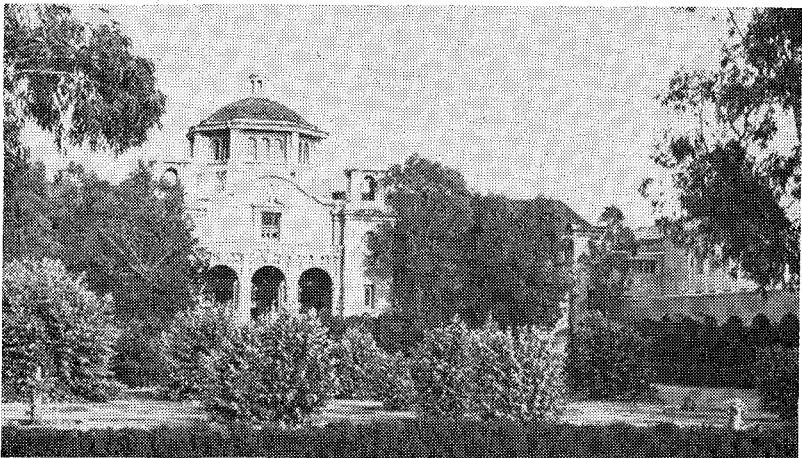
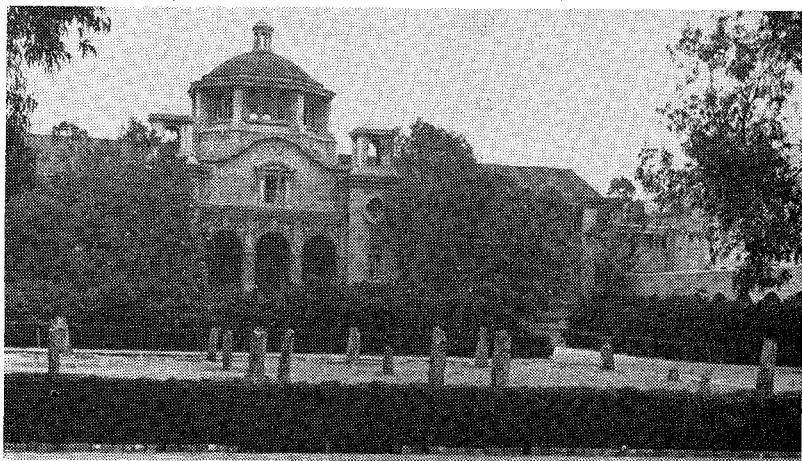
Number 7

Her Royal Highness Princess Margaret Here On Tour

Princess Margaret and her husband, the Earl of Snowdon, will be the distinguished guests of the Institute next Tuesday, November 9. According to informed sources the visit will be a goodwill gesture with "no formal diplomatic overtones."

The royal couple will arrive at noon for a reception and lunch in the Athenaeum. President Durbidge and other trustees including Dr. Arnold Beckman will be present at the luncheon. The Division Chairmen of the Institute and Dr. William Pickering of JPL will round out the list of dignitaries.

The luncheon will be followed by a tour of the campus, down the Olive Walk, through Throop, and to the western end of campus. The Earl and Princess will finish their tour of the campus at Beckman Auditorium. There will then be a tour of JPL.



PROGRESS . . .

Frosh, Sophs Vie In Fierce Mudeo

by John Middleditch

The great Roman Empire saw the city of Pompeii destroyed by the eruption of Mt. Vesuvius. While hot choking ash, lava, and fires razed Pompeii, a vast mudflow inundated the remains of nearby Herculaneum. The spectacle next Tuesday at 3 p.m. in Tournament Park will be just as dramatic and almost as destructive when the frosh take on the sophomores for the annual Mudeo. All undergraduate classes will be excused at 3:00 for the event.

From time immemorial this great event has been judged by the Junior class and in particular by the Junior Class president. The competition will be in part judged on fair play, sportsmanship, and clean living; the other 99 percent of the decision will be determined by cold hard cash.

Fifth!

The struggles consists of five muddy events. The tug of war will literally pit the frosh against the sophs in the ultimate test of filthy team efforts. The sack race is more of an individual affair, with the mud-pit filled with writhing bodies resembling an army of wounded earthworms in a chocolate Saga pudding.

The mudeo, or the namesake of the competition, is a jungle-rule contest between five teams of two men each from the frosh and soph classes. The teams fight piggy-backed in the sticky mire until one class is completely victorious in dumping the other.

Dirt!

For those who want a closer look at the action, the wheelbarrow race will provide an ample opportunity. Last, but not least, and certainly the dirtiest, is the tire spree. For this event some 20 tires are placed in the muck and one class will have the pleasure of dragging these out against the corporal objections of the other class.

The judges of the contest, be-

ing members of the Junior Class, will display a bit of decadent petty-bourgeoisie class consciousness in deciding who shall be the victors. Hence the Mudeo has nearly always been won by a very slight margin (usually 3-2) to the highest bidders. All forms of judicial prerogatives are considered. Last year the frosh tied their end of the rope to a wire fence, thereby winning the tug of war. The sophs objected to this, but Doug Holford, then Junior Class president, couldn't "see that far" and the sophs had to lump it. The frosh finally riled Holford by slinging mud at the sophs during the wheelbarrow race and were consequently disqualified.

The winning class not only has
(Continued on page 6)

Golomb Talks On Polyominoes

The Caltech Math Club is bringing Dr. Solomon Golomb to Winnett Lounge next Thursday, November 11, at 7:30 p.m. Everyone is invited to this meeting and to the informal discussion following it. Golomb is professor of electrical engineering and mathematics at USC and was formerly employed by JPL.

Golomb will speak on polyominoes, which he invented in 1953 and which is one of the most active branches of recreational mathematics today. A polyomino is a plane figure built up of equal squares, all joined together such that any square has at least one edge in common with some other square. Numerous sets of polyominoes (polyominoes with five squares) will be provided at the meeting to induce unwary members of the audience into polyomino addiction.

Polychaetes are neater

Polyominoes were brought to the attention of the general public in the May 1957 issue of *Scientific American*. One reason for

Y's China Institute Begins Tomorrow

by Mike Meo

Dr. John K. Fairbank will deliver the opening lecture of the YMCA's China Institute, "Chinese History and Culture in Perspective," tomorrow night at 8:30. Fairbank, director of Harvard's East Asian Research Center, is only one of the authoritative experts marshalled by the Caltech Y for a presentation of a collection of lectures entitled, "China and the World Today." In a variation of the "Leader of America" theme, the Y has collected a set of distinguished experts on China to present a fairly thorough discussion of that rising world power which is the most recent initiate to the "atomic club."

Symposium

The Vietnam Institute of last year was the first attempt at presenting to the campus a current-affair symposium instead of a famous personality. It is generally agreed that the liberal outlook predominated to such an extent in that conference that objectivity was at a minimum. This year, however, the project is not only composed of a better balance of speakers, but it has a much broader scope. The China Institute is costing the Y more than twice what is average for a Leader of America program, and has gotten so big and so complex that the student planning committee has limited itself to administrative decisions.

Damyankes

Of interest about this particular collection of illuminati is the high proportion from the East Coast schools. Of the nine China Institute leaders whose biographies were released by the YMCA Monday, five were educated at Harvard, and of the six professors, there are three from colleges located east of the Susquehanna.

If they come from a long way, so have they been prolific in their publications. These eight men

(not counting the one who is a publisher) have among them published twenty-four books and over one hundred twenty articles on China. Their specialties range from Chinese communism to population studies and to atomic weaponry proliferation.

Impressive scholarship

Dr. Kang Chao, for example, the economist of the group who will also hold a seminar Saturday afternoon on "Recent Economic Developments," has done three studies of the industrial output data of Red China in recent years, including a book on the rate and pattern of its industrial growth. But he has also done extensive work on the yen rate of exchange versus dollar and rubles, as well as an inspection of the use of China's foreign trade statistics. Such a depth of inquiry seems to indicate that a complete coverage of the important aspects of the topic will be had at this seminar, as at all the others.

One of the most interesting of the invited guests is Mr. William Rusher, publisher of the arch-conservative weekly *National Review*. A panelist and seminar speaker, Rusher is on record as denouncing the UN as a deadly danger to the cause of freedom everywhere. His comments on Dr. Scalapino's concluding lecture, "The Future of United States-Chinese Relations," should be well worth hearing.

Finance Drive Next Week

The Annual YMCA Student Finance Drive will be held next week. Every student, undergrad and grad, is asked to contribute towards the goal of \$2800.

This will be the only time during the year that students will be asked for their financial support of the Y. It is therefore crucial that students give serious thought and consideration to the amount which they give in support of the Y's yearly program.

Y membership is free and open to all who want to participate in its activities and services.

Incentive

Contributions may be made in cash to the solicitor or as pledges to be deferred to next term's Institute bill. As a little incentive, the House with the highest contribution per student will be treated to a dinner served by numerous young, good-looking female waitresses.

This weekend is the China Institute; Ted Sorenson is coming in a couple of weeks as "Leader of America." Many more programs are in the making; so take advantage of them — and give generously to the Y.

Though this is only about six percent of the total Y budget, it is important because it is a measure of student concern, participation and awareness. Besides, outside contributions depend greatly on the amount of student donations.

We cordially invite
the
Earl and Countess
of Snowdon
to attend the Mudeo

Notices

FREE FLU SHOTS

for all students and faculty today, 12:30 to 2:00 in Winnett Lounge. Escape the plague.

RARE BOOK FAIR

Literary trolls, note the Fifth Antiquarian Book Fair, which will be held November 11-13 at the Ambassador Hotel in Los Angeles. Many rarities, including an original letter by Galileo, will be displayed.

HELP HELP HELP . . .

Attention, all eager members of the student body! This glorious newspaper urgently needs someone to help sort and distribute the weekly garbage-can-liner!

If you are interested in becoming assistant circulation manager (small salary!) please see Bob Parker at 64 Fleming, or leave a note in the Tech office.

Help help help . . .

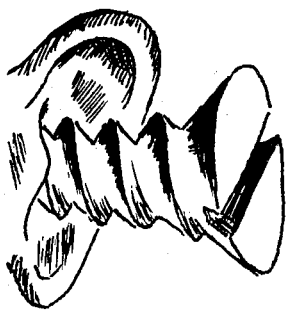
MORE DISCUSSION

Another Caltech YD constitutional meeting Tuesday, November 9, at 7:30 p.m. in Winnett Clubroom number 1. This meeting will be short!

HELP STAMP OUT EXTREMISM!

Do you usually walk down the middle of the road? Do you do most of your swimming in the mainstream? If you do, then you belong in the California College Republicans. (If you don't you can join anyway.) The first CCR meeting of the year will be held next Tuesday, November 9, at 9:00 in Clubroom 2. Come and see the free movie; come and get organized; come and be gung-ho. Come!

ENJOYING YOUR MIDTERMS?



Editorials

A Small Price to Pay

The Caltech YMCA needs your help, friends. Their Annual Student Finance Drive comes next week, and every student, grad and undergrad, is being asked to contribute toward the goal of \$2800. If that sounds like a lot of money, you should remember that the Y is losing more than that amount in sponsoring the upcoming China Institute.

In the past there have been some objections to the Y's activities on the grounds that they were often politically one-sided (read liberal), but we now have active (to say the least) Young Republicans and Young Democrats to fight the campus' political battles. The Y no longer has to fill a political vacuum, and it is now in a position to do an even better job of bringing the real world to this haven of trolls.

Their past efforts will be hard to improve upon. You all know about their China Institute, the Leaders of America Program, and the Scripps Conference, as well as the not-so-random speakers they bring to campus. You may not have known that the **little t** was originally published by the Y and that Frosh Camp got its start as a Y function.

The most recent example of the value of having the Y around is the discussion that went on this year at their annual planning conference and the proposals that came out of it. If we ever do get a coffee house or a next-door girls' school, some of the credit will belong to the Y.

The YMCA's been around a long time, and they've been the closest thing to a Good Samaritan that any organization could be, so think about what they've tried to do for you and give a little for them.

—Bob Berry
Norton Greenfeld
Tim Hendrickson

Caltech Prof Helps Indians Form Tech

by Steve Alfin

Dr. Jon Mathews has come back alive from the Indians. The East Indians, that is; Mathews, Caltech professor of theoretical physics, has recently completed a one-year term as visiting professor at the Indian Institute of Technology at Kanpur.

In India, where all education is government controlled, the need was felt for a really superlative engineering school. Five Institutes were established, at Kanpur, Bombay, Delhi, Madras, and Kharagpur. The US was approached for advisory and financial aid, and it agreed to cooperate with the Kanpur institute. Educational Services, Incorporated, was contracted to select and organize staff members from Caltech, MIT, Berkeley, Case Institute, and other schools, and send them to Kanpur for one to two years.

Mathews explained that majors are permitted in only six disciplines, all engineering. The sci-

ences are taught, but only as requirements for engineering degrees. It is felt by many that the school should be expanded to permit a physics option. Even under the present system, however, graduate students are admitted in the sciences.

Although there is no bar on female undergraduates, there is only one at the present time. This is understandable in the light of the fact that Indian society rejects woman mechanical engineers. (American society, being less sex-conscious, rejects all mechanical engineers.)

This "it" less state does not seem to affect the students unduly, however; Mathews says they seem "quite at ease as they walk hand in hand to class." Nevertheless, hopes are high for India's newest technical institute, which graduates its second class this year.

Dr. Sorensen Dies at 83

Caltech lost its senior professor in terms of tenure, Dr. Royal W. Sorensen, October 27, 1965. From his birth in a log cabin in Wabaunse County, Kansas, to his death, Sorensen received many honors and acclaims.

Sorensen joined the faculty at Caltech in 1910 and taught for 42 years, becoming professor emeritus in 1952. He made important contributions in transformer systems, vacuum switches, electric insulation, and in other areas of engineering. In addition, he was active in the Pasadena YMCA, president of the board of trustees of the First Baptist Church of Pasadena, and

served as Caltech faculty chairman and physical education department chairman.

When informed of Sorensen's death, Caltech President Lee A. DuBridge remarked: "The passing of Sorensen is a matter of profound sorrow to all those connected with the California Institute of Technology. Sorensen pioneered in the field of electrical engineering and in engineering education. Particularly he was a pioneer in putting Caltech on its path of high quality education in the field of applied science. His services were outstanding both to the world of education and to the entire Southern California community."

Ted Sorensen Is Next YMCA America Leader

Ted Sorensen, former advisor to President Johnson and to the late President Kennedy for 11 years, will come to Caltech as the YMCA's Leader of America. The program will run from November 17 to 19 and will consist of several seminars, speeches, and informal bull sessions which have characterized the program of the previous Leaders of America.

Sorensen spent all of his earlier years in Nebraska where his family had long been active in politics. His immediate ancestors had been liberal Republicans in the progressive era of Teddy Roosevelt and Robert M. LaFollette.

Shortly after being elected senator from Nebraska, Sorensen met John Kennedy in Washington. This was when Kennedy was in his first year as a senator from Massachusetts. From that time on (1953-1963) Sorensen became one of the closest advisors of the late President.

Sorensen was noted for his intelligence, devotion, and overall similarity to Kennedy in his speech as well as in his thought. It was these properties, along with countless others which made the Kennedy-Sorensen team so inseparable.

He continued with President Johnson after the assassination until the end of February 1964 when he left to compile his memoirs which have since been published by the **Saturday Evening Post**.

Sorensen was unique among the Kennedy advisors in that he was neither a Harvard man nor an Easterner nor a Catholic. For that matter he was neither an Irishman nor a hereditary Democrat nor even a playboy.

Millikan Library Almost Complete

by Jeff Hecht

Director of Physical Plant Wesley Hertenstein announced that bids are being accepted from seven firms for the Robert A. Millikan Memorial Library this week. The library is a gift of Dr. Seeley G. Mudd, Caltech Trustee and a friend of the late Millikan. The modern nine-story building, designed by the firm of Flew, Elling, and Moody, will be the tallest building in Pasadena.

The library, to be located west of Throop Hall in the stumpy Eucalyptus grove, should be under construction sometime in December, according to Dr. R. W. Paul, chairman of the faculty library committee.

High speed

All those who use the campus library facilities will be glad to learn that the library will be entirely air-conditioned. The building will also have two high-speed elevators. It will hold three times as much material as the fourteen libraries presently scattered over the campus.

The basement will contain government documents and facilities for photo-copying. On the first floor will be the charge-out desk, the reserve book room, a small lounge, a small reading room, and a rare book room.

Facilities on the second floor will be the reference library, the general catalogue, the Library of Congress index, and the administrative offices. The third through ninth floors will contain the combined books of the present campus libraries.

Contest!

How is your memory, random troll? Do you remember that the **California Tech** is running a contest? Well, it is — the "Ferdinand Feghoot Contest." If you are familiar with this rare type of so-called humor, below is printed an example:

In 2778, Ferdinand Feghoot landed on Dallas XIX, a previously unknown planet. He and his crew were immediately seized by the natives, trusted, and carried to a nearby veterinary hospital for investigation.

Lying there in the operating theater, the horrified crew saw a Dallasian nine feet high towering over their captain. He (the Dallasian) was as shaggy as a Kodiak bear. From the crown of his mushroom-shaped head grew a hand-like appendage holding a huge hypodermic full of fuming green fluids.

They started to scream out a warning. But they suddenly stopped—their captain had chuckled! They stared at him open-mouthed. He grinned back.

"No need to get scared," said Ferdinand Feghoot. "It's just a furry with a syringe on top."

If you think you can top this, or even come close, bring your entry to the **California Tech** office or give it to an editor. This is the last week of the contest, Monday at midnight being the deadline. If your Feghoot is the best one, it will be printed in the paper, and you will win an original "Through Time and Space with Ferdinand Feghoot" book. There haven't been too many entries, so you have a good chance of winning.

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--John Tyndall

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Percy Tells of Election Trials From Other Campuses

more by Meo

Charles Percy, last years' Republican candidate for governor of the state of Illinois, spoke to the campus Tuesday on "A Businessman in Politics." His 30-minute speech was well received by an audience of about 80 people, the great majority of whom were students, including a fair sampling of Democrats.

Percy began by asking all the independents and Democrats present to raise their hands, and then he initiated a round of applause for them. He made it quite clear that his conception

of the Republican Party is the antithesis of Goldwater's. Instead of the old refrain, "If you ain't with us you're against us," Percy's theme was that for its very survival, the Republican Party depends on the conversion of independents and Democrats. He put a lot of emphasis on solving today's problems with concrete suggestions, rather than taking a negative stand to any solution.

Recounting his experiences of last year's gubernatorial campaign, Percy, who is an engaging and personable speaker, drew many sketches of humorous situations. It seems there was a lot of criticism of Percy to the effect that he was really interested in the White House instead of the governor's chair. His campaign manager promised to put an effective end to the situation in a TV debate, but when the question was put to him, he replied equivocally. "Chuck Percy," he glared into the TV cameras, "is running for one and one office only, and that is Governor of the United States!"

After his defeat last year, Percy continued to be active in politics, although he made no bones about the fact that he had been beaten (unlike the slogan, "25 million people can't be wrong"). The Republican Party of Illinois was instrumental in raising the per student educational expense, and Percy's staff initiated a project to channel the Chicago tenants' complaints about their landlords to the mayor's office. Many Republican precinct workers obtained job opportunities for deservng ward workers.

One special project that Percy envisions is the cleaning-up of such danger spots as Watts in the nation's cities. He is worried that the Negroes in the ghettos don't own anything; they are not the proprietors of the economic system, like the Irish, Italians, and Greeks were. If the Republican Party is to be the "Party of Opportunity" of the future, Negroes' ownership of small businesses should be an essential part of party philosophy.

That the Republican Party is in grave danger is acknowledged by Percy. His solution is to project an image of "The Party of Opportunity," and to worry more about problem-solving than long-term philosophizing. In other words, he's a liberal Republican, with little in common with Ronald Reagan or his breed.

by Smitty

The Notre Dame Scholastic this month carries a steal from the Associated Press describing the virtues of a quick snort of old Glenn Coe Massacre when the times are a'getting you down. "A couple of good belts," claims one Richard F. Doctor, professor of medical psychology at UCLA, "perks you up mentally, makes you more vigilant, more perceptive of your surroundings." This enlightened gentleman found that winos who drank straight tomato juice were duller than those who drank Bloody Marys. Science staggers on.

Teckers at heart

Commenting further on the great issues of our times, the Scholastic published the results of its long and intensive study on the size of Cokes in the student union. "Additional tests conducted in the last week have verified these findings—the standard (student union) 30 cent "quart" coke contains the same volume as two 10 cent cokes and one 5 cent coke; i.e., its net worth is 25 cents. A 15 cent coke is exactly one-half of a 30 cent coke, so the net loss here, ignoring ice variations, is 2½ cents.

"We note that some improvement has been made from the red 15 cent coke which prompted our original attention and was in a one-to-one volume ratio with the 10 cent coke, but feel that further improvement is in order."

Let us have a moment of thanks that we at Tech are spared such injustices. Saga's 95 cent breakfast is just as disgusting as its 95 cent lunch.

If your sister's engaged?

Searching hungrily for dirt the way a B&G man searches for coffee, we find in the Antioch Record the searing article "COMCIL rehashes the sex standard." Far from claiming that Antioch sex is presently sub-standard, the Community Council is worrying about whether or not it is a Good Thing and, if it is, how can they say Yes while it still reads like No. As of this moment, page 22 of the Community Handbook reads "pre-marital relations on the campus cannot be tolerated and will be cause for the students involved to be withdrawn."

However, we're told, "the college does not really act the way

the statement sounds," i.e., nobody has yet thrown a bucket of cold water on anybody. It has been suggested that only the Student Personnel Committee can clear up the confusion. Some busybody, though, wants the SPC to make public the principles on which it acts.

Fame!

Our eastern brothers in adversity, through the MIT Tech, were caught recently bragging to the world that they were the subject of a feature article in October Science Digest. Lest these second-raters get too swell-headed, we should point out that we, not they, were privileged to supply SD's September Pinup, Caltech's cover boy, Eric Young. See Louise Hood for the gory details and a wall-size copy, suitable for framing.

הנהגת איגוד הסטודנטים להרוס אחרי שרקדה עם (הילה) טוב (נרדף).
הפרופסור מנביר את הקצה. הוא לוקח את תלמידיו החרוצה למרוץ סוסים באסקוט. הם נמשכים בני התחרה הטובה (המרוץ). כאן מסתבר שלא די בשמלה אלגנטית ודיקציה מופתית. לילה מרעושה את ידידותיה החשובות בטיפוחיהן מבהיבא, אך מוצאת מעורר כפרדי אינס' פורדוויל המחליט לבלות את כל לילותיו לפני בית הפרור ספור. בתקנה לראות את בחירתו לבן מרוחק (גורובוב בו את נהג). לאחר שששור נוסף קובע הימים כי יצוריספור מוכן לעמוד במבחן הגדול. הוא לוקח את לילה נוסף הגדול בשגרירות כאן ניצב ששן ברובו: זולטאן קארפאסי, הלמידו לשעבר, חושד בלילה וקובע אחות. לאחר שהששה שבפיה מישלמת מו של כל בחינתה רגילה הוא מחליט שהמחור

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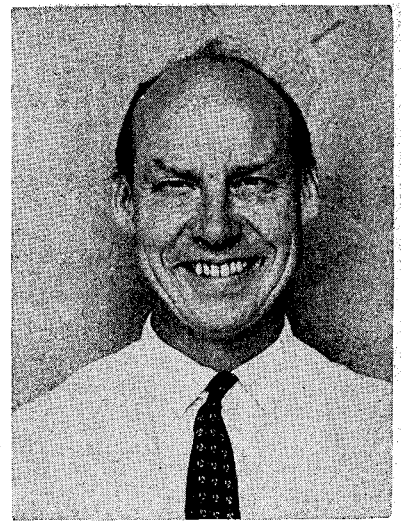
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TECH Sports

Kickers Romp Third Win For Lloyd

The Caltech open soccer team finally won its first game of the season. They came out of their slump with quite a bang. In last Saturday's contest they swamped Pomona, last year's conference champs, by the score of 6-0. This avenged an earlier 0-4 loss to the Sagehens.

The forward line was working together beautifully, with expert passing and ball control. They kept Pomona constantly on the run, while the Tech defense was like a stone wall against any of the opposition's advances.

The score was only 2-0 at half-time, but then the team got into high gear, scoring four more goals before the end of the game to overwhelm the Pomona eleven. Every player was excellent, but the stand-out of the game was Dick Wade. At the wing position, his play was flawless; his ball control made the whole attack go, and he also scored two goals himself.

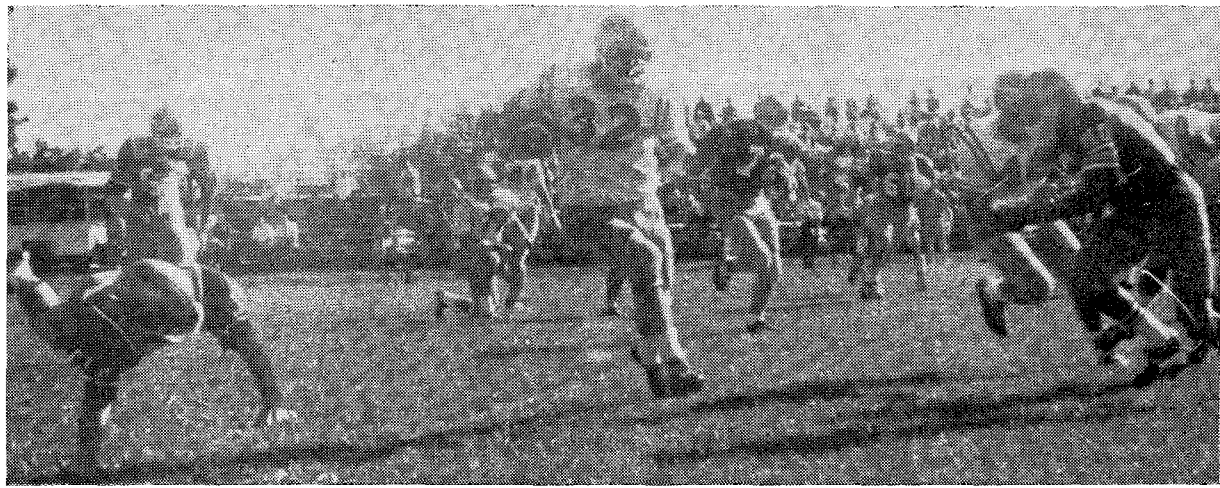
The scoring was spread out fairly evenly between the forwards, Willie Berens and Wade getting two goals each, and Ted Young and John Trischuk contributing one each. The open team has some of the best players in the league, and if they can play together as well as they did last Saturday they should be able to win all the rest of their games.

The varsity soccer team was not as fortunate in its game. They traveled to Westmont College only to lose a close game 2-0. Westmont's precise passing game dominated, and only excellent play by the defense, especially goalie Les Fishbone, kept the score down. The Beavers were not able to mount any kind of offensive drive, so they had to rely on their defense.

The more exciting part of the game was the audience participation. A crowd of about 200 highly partisan Westmont fans must have frightened the Teckers. They had never played to a crowd greater than ten before.

With guard Charlie Bruce providing the final impetus, Lloyd's wonder boys came from behind in the last few seconds to defeat Blacker in their Discobolus basketball game last Sunday. Lloyd increased its point total to nine with their third straight win, having already defeated Fleming and Ricketts.

At the beginning of the game Mike Aschbacher had a hot hand, and he seemed destined to lead Blacker to victory. After falling behind 17-5 in the first period, the Lloyd five's chances looked dim. But thanks to Grey Jennings' fierce domination of both back-



by Greenwood

Mike Brennan (32) goes for 10 yards, one of his longer gains, in Saturday's game against Cal Lutheran.

boards, they came to within three points of their opponents by half-time.

As the game waned, the two teams yielded less and less; every call by the referee was disputed. Finally, with about six seconds left, Bruce took a pass and drove in for a lay-up around his defender; with this, the Lloyd cagers lucked out with a 45-44 victory.

Dabney has since challenged in softball, tennis, and rifle shooting. Lloyd has accepted in tennis, the matches to be played this weekend.

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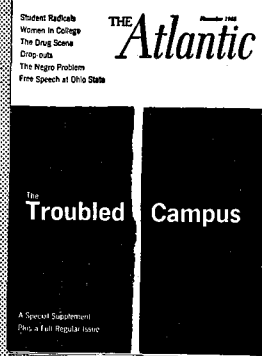
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Go Wrestlers! Harriers Win Again

Tech's always-successful wrestling team has begun practice for what promises to be its best season ever. At least six starters of last year's team will return, with the middle divisions being aided by a new weight classification (145, 152, 160 instead of 147 and 157) which will enable us to unleash more of our best wrestlers. The main question marks are in the lower weight divisions.

This year's schedule includes more conference schools and fewer schools in the class of Cal Poly and LA State; this change, plus more experience on the team, make a goal of 75 percent wins quite reasonable. Lest the impression that the team is overpopulated snake its way into the innards of some hesitant grappler-at-heart, let it be known that Coach Mehringer (Olympic gold medalist!) is anxious for more pretzel-benders; practice is at 4:30 and features a very good result-per-unit-groan ratio.

One of the hilliest cross-country courses in the conference, Whittier, was the scene of Caltech's second consecutive varsity victory last Friday, 26-33. Lane Mason set another new record, but don't bother marveling about it; the phenom frosh gets worried only when he **doesn't** set one. Old Reliable Pete Cross, last year's team captain, deserves some chiding, for he dropped from third to ninth, jeopardizing the meet, by getting lost on the second lap of the course.

Soixante-neuf finks out

The frosh had an interesting finish even though they were wiped by the home team, forfeiting the meet because only four Teckers of the Class of 69 showed up. Cross-country is based on five-man teams, preferably having seven men; four men don't even constitute a team. Hauge, who was Tech's first finisher, had run fourth in back of three John Greenleafers for the entire race,

but in the last lap of the track he was passed by a Whittier frosh, whom he rallied to beat decisively in the last 50 yards.

After the varsity had finished helping a few Poet coeds twirl crepe papers around the football goalposts, they went out and won. Lane Mason slashed 39 seconds from the previous course record of 17:46, and states that he was satisfied with his performance. After him came Jones, a Whittier man, who ran a good race, followed by Mike Meo, then another Whittier man, and then Steve Poltrock. Van Stoecker and Dave Kolb, 7th and 8th, were last to place, but Cross brought up the rearguard, finishing 9th.

Footballers Lose

The Caltech football team put on one of its poorest performances in recent years by dropping last Saturday's game to Cal Lutheran 49-0.

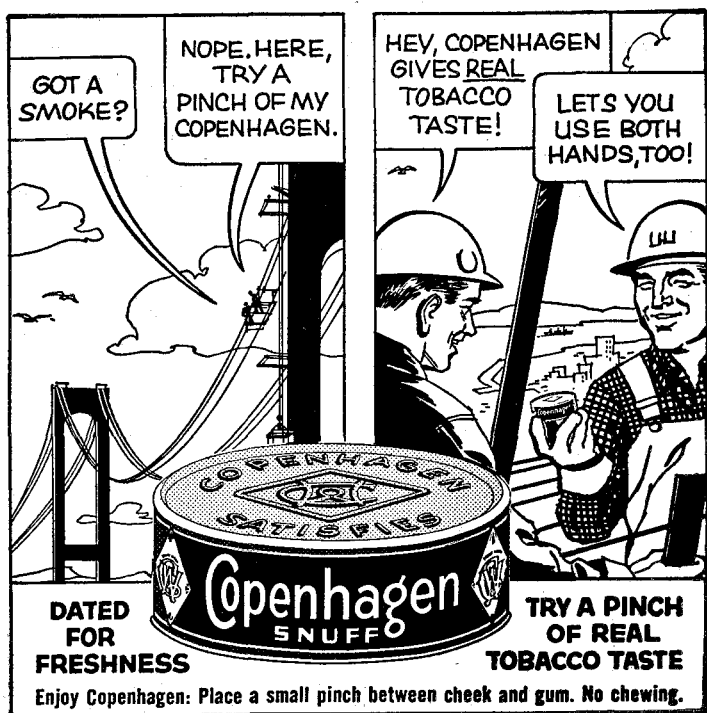
The game was a complete rout in every aspect. The big CLC linemen were able to push the Beavers around almost at will. Both their rushing and passing game made tremendous gains. Meanwhile, Tech's offense was able to go nowhere. Only Mike Brennan had any kind of success, gaining 50 yards in 13 carries. It is hoped that this was an especially bad day for the team and not a representative of their full ability.

The next game will be against University of California at Riverside at the Rose Bowl this Saturday at 2:00 p.m. UCR has a strong team, but one that has been somewhat inconsistent, losing to La Verne 45-13, and then coming back to beat Pomona 23-20. This is a home game, so all Teckers are hereby ordered to go to the game and root for your team.

Webmen Split

Travelling off to far away places where girls can be found, the Caltech water polo team won one of two away games in the last week. In a close and well-played game, the Webmen withstood a closing rush by the Redlands varsity to win 5-4 last Friday. Tuesday, with colds and midterms hanging over their heads, they dropped a game to Oxy, the league leaders, 15-3.

Exhibiting the advantages of the no-grades policy, the frosh outshone their elders by defeating the Oxy frosh in their only league game of the week. Last week's win, the first in three years, was amazing enough, but now the freshmen have an astounding two-game winning streak.



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ROTC Grads On Active Duty

Four of Caltech's recently commissioned Air Force 2nd Lieutenants received active duty orders this summer, all in research and engineering. Lt. Richard A. House reported in to the Air Force's Institute of Technology at Wright-Patterson Air Force Dayton, Ohio, where he will attend the 21 month Graduate Nuclear Engineering course and receive his MS prior to his assignment as an Air Force Physicist. Lt. T. S. "Mole" Chapman is also at Wright-Patterson AFB working in the Avionics Laboratory

as a Physical Chemist. Lieutenants George A. Repasy and Douglas W. Hill received duty assignments to the AF Weapons Laboratory at Kirtland AFB, New Mexico.

Caltech now has 47 AFROTC grads who have elected to remain on career status in the Air Force and all are occupying positions of responsibility in the scientific and engineering fields. More than 50% of these former Caltech students are on duty with the Space Systems Division of AF Systems Command.

More Mudslinging

(Continued from page 1)

to fork over enough to pay for the pit (any excess providing the juniors with liquid refreshments) but they also have to protect the judges from a gooey grave at the hands of the sore losers. Last year, Holford was dumped by the sophs; he retaliated by awarding the victory to the frosh. The losing class pays the winning class' share of costs of the All Class Prom, Lost Weekend.

This year the frosh and sophs have been lax about their competitive bargaining. George Sharman, the Junior Class prexy of this year, has naturally been concerned with the situation and

plans on dropping "a few discreet hints to the frosh section leaders." Anyone who wishes to try his hand at corruption should see Sharman in his room in Fleming or some other locality suitable for the occasion.

Those who wish to behold and/or partake in spectacle of utter debauchery and filth should go to the world-famous Mudeo next Tuesday at 3 p.m. in TP.

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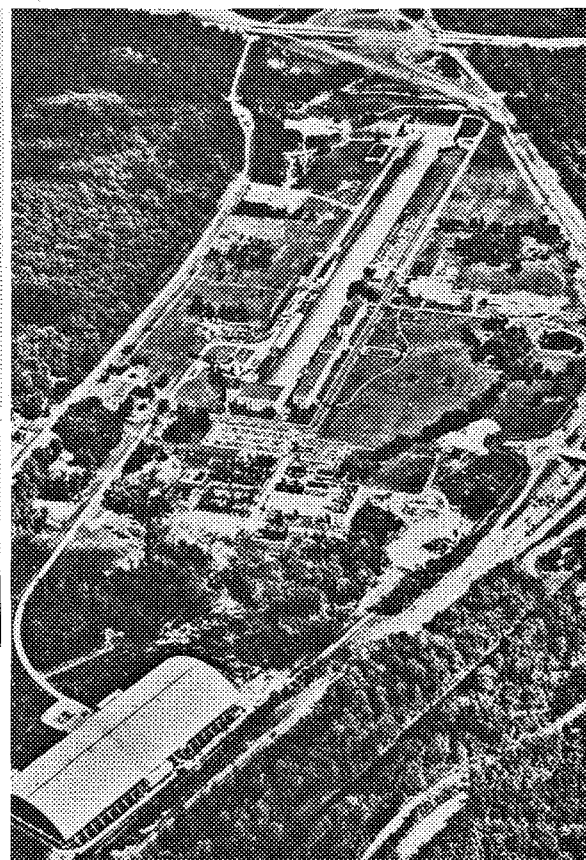
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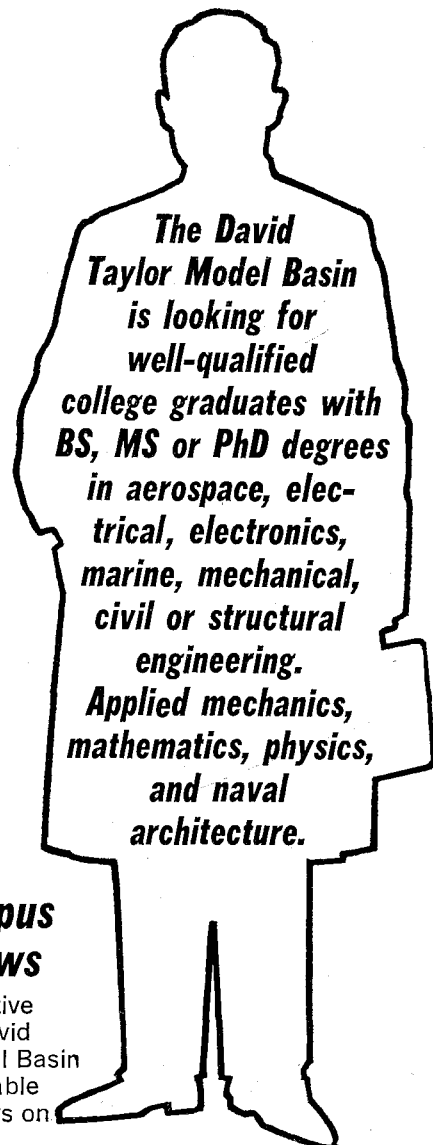
oratory has a Towing Basin 3/5 of a mile long, 50 feet wide, and 20 feet deep; a Maneuvering Basin that covers 5 acres. The Applied Mechanics Laboratory uses four high-speed digital computers to solve engineering and logistic problems. The ultra-high-speed UNIVAC LARC performs 250,000 computations per second. The Aerodynamics Laboratory is equipped with nine wind tunnels, subsonic, transonic, supersonic, hypersonic, for the testing of aircraft, missile and airborne component models. Ten pressure tanks, and tensile and compressive load testing machines are among the devices used by the Structural Mechanics Laboratory in research on hull structures for ships, deep-diving submarines and deep-sea research vehicles. Mechanical generators in the Acoustics and Vibration Laboratory can produce known forces in structures ranging from small items of machinery to complete ships.

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