

The California Tech

California Institute of Technology

Volume LIX

Pasadena, California, Thursday, December 5, 1957

Number 9

Toy Dance Celebrates Christmas

Gerald Wilson Plays for Annual Semi-Formal

ASCIT's annual Christmas dance, to be held on Saturday, Dec. 7, will be this weekend's big event.

The dance, held this year at the San Marino Women's Club, will feature the music of Gerald Wilson and his group. Dress will be semi-formal, which, according to impressario Tony Iorillo, means dark suits for the men and cocktail dresses for the women.

Toys For Admission

As in the past, admission will require the presentation of two toys per couple; the toys should not be wrapped and should be placed under the Christmas tree. The toys should cost a maximum of one dollar each. They will be used to gladden the holiday season of Pasadena area children who would otherwise have a toyless Christmas.

When and Where

Dancing will commence at 9:00 p.m., and the music will continue until 1:00 a.m. The Women's Club is located at 1800 Huntington Drive, south and east of the Caltech campus in San Marino.

"We expect a big crowd," was the enthusiastic statement of ASCIT First Rep Iorillo. "It'll be swinging!"

Sold!

Weeks of suspense and conjecture were climaxed early this week when Throop Club finally announced publicly the sale of their Eiffel Tower. The impressive, 36-foot model, which highlighted Throop's Parisian Inter-house Dance theme, has been bought by the Moulin Rouge, a Hollywood night spot, for \$200.

Lectures, Demonstrations Mark Students' Day

Over 1300 students and teachers from 293 southern California high schools are scheduled to visit the Caltech campus Saturday for the 8th annual Students' Day. The event is designed to give the visitors an insight into the facilities, activities and student life at Caltech.

Each of the students has been assigned to one of the student houses for the day. Registration will take place at 8:30 in the house lounges.

The morning will be spent in guided tours of campus exhibits and laboratories. Each tour will visit six of the several dozen exhibits sponsored by all the departments on campus.

SCOREBOARD

FOOTBALL

Tech 21 — La Verne 7

SOCCER

Tech 4 — Pomona 2
Scandia (Semi-Pro) 2—Tech 1
(Exhibition)

WATER POLO

Tech 7 — L. A. State 0
Oxy 9 — Tech 5 (Dbl. overtime)

CROSS COUNTRY

Tech won by forfeit from Whittier

Basketball

Cal Poly 59 — Tech 44



Santa Ana Jr. College. Courtesy EL DON. College newspapers make the rounds of the conference table as delegates trade ideas at the Student Editorial Affairs Conference.

Editors' Conference Airs Problems of Student Press

California Tech Attends NSA Sponsored Meeting

A lack of freedom of the press was revealed as a common problem among the colleges represented at the first regional Student Editorial Affairs Conference held at the University of California Berkeley campus last weekend. But freedom of the press was not a major concern of the conferring editors, as the interest soon focused on technical problems of college journalism.

California Tech Represented

The conference was sponsored by the National Students Association Regional Assembly, and hosted schools from all over California. Mike Milder, California Tech News Editor, represented the Tech among an assemblage of student newspapers that included the University of California's Daily Californian and Yuba Junior College's 49'er.

Outside Interference

Every newspaper represented, with the exception of the Tech,

claimed to be subject to some kind of interference from the school administration or student council. Examples of this interference ranged from outright faculty censorship to threatened withdrawal of financial support. Most editors were inclined to accept restrictions on their editorial freedom without active indignation. They concentrated on working out a practical compromise with their problem.

Shop Talk

Copies of student newspapers covered the conference tables as the delegates spent most of the session exchanging ideas on coverage, makeup, financing, staff organization, and other shop talk.

Milder was chosen to be spokesman for the conference in front of the closing session of the NSA Assembly. He presented a report of the conclusions and results of the conference to the sponsoring body.

Announcements

Y FILM SERIES

"Treasure of the Sierra Madre," is the Y film series movie Sunday night at 7:30 in Culbertson Hall. Admission of 45 cents will be collected at the door.

BIG T PICTURES

Big T pictures will be taken from 2:00 to 4:30 p.m. next Tuesday and from 7:00 to 9:30 p.m. Monday through Thursday. All who have not had pictures taken are asked to be at the Big T office at one of these times.

PREREGISTRATION

Students who have not yet preregistered must pick up their preregistration cards immediately at 119 Throop.

TECH JACKETS

The grey Caltech jackets have been placed on sale by the Beavers. Measuring for size took place in Fleming, Dabney, and Blacker earlier in the week, and will be held in Ricketts tonight and in Throop club Friday noon. A \$2.00 deposit is required, and the total cost will be \$12.00. Orders may be placed with Dave Leeson, R7, until Friday dinner.

Noted Philosopher Ends 3-Day Visit

Greene Concludes Lectures Tonight; Discussed Theology, Science, Values

by Bob Walsh

Dr. Theodore M. Greene, a proponent of "an orderly study of human values," will conclude a three-day visit to Caltech with a discussion of theistic liberalism tonight in Fleming House.

"Why should I survive?" "Why do we deny the possibility of moral insight when we accept scientific insight?" "Isn't it contradictory to believe both in the intrinsic value of people and in a hostile or neutral universe?"

With such provocative questions as these, Greene has lectured on "Major Philosophical Issues of the Modern Age" and "The Relation of Science and Religion" under the auspices of the Caltech YMCA.

Central Problem

Tuesday evening, speaking in Dabney Hall, he asked the question, "Why should I survive?", describing it as the "central problem of our time." He suggested that what the world perhaps needed most was for man to re-establish a more healthy relationship with each other and with Nature.

Wednesday noon Greene lectured the Athenaeum luncheon forum on the differences between science and religion, stressing that they were differences in form and content, but not contradictory. "There is no conflict," he said, "between science properly conceived and enlightened religion properly conceived."

Scripps

Greene, a noted author and lecturer in philosophy of religion, art and education, is currently Professor of the Humanities at Scripps College. His visit

See page four for discussion of Doctor Greene and his ideas.

is being financially supported by the Danforth Foundation.

Universality of Values

Students have shown deepest interest in the problems of the origin of values. Although in sympathy with Greene's appeal for more ordered studies of basic values, many students found themselves disagreeing with him concerning the universality of these values. This issue was the center of Tuesday night's informal discussions.

(Continued on page 8)

Tau Beta Pi Initiates Ten

Initiation into membership in Tech's California Beta Chapter of Tau Beta Pi was held Wednesday, with the following becoming new members: John Asmus, Dick Baron, Dick Cooper, Dick Cowley, Alan Emanuel, Joe Fineman, Chuck Stone, Bob Tokheim and honor juniors Bill Graham and Mike Milder.

After the initiation, old and new members alike enjoyed a banquet at Monty's with Dr. Peter Fay as guest speaker.

Tau Beta Pi is a national engineering honor society which has been expanded to include scientists at Tech. Members are elected on the basis of scholastic standing, personal integrity and breadth of interest.



Dr. Theodore M. Greene

No Laurels For Orators

Caltech sent its biggest delegation in three years to the annual Western Speech Association Tournament last week, but failed place in any of the events. The tournament, which was held at Pepperdine College, attracted forensic squads from nearly all the major colleges and universities west of the Rockies.

Andy Perga, Cleve Moler, Ken Scholtz, Tom Morton, Roy Currence and Maury Kallerud represented Tech in upper division debate, while Peter Bickel and Stan Klein held forth in the lower division. None of the four teams made the final rounds.

Dave Jefferson will take part in the W.S.A. Alternate Tournament to be held this weekend at Occidental.

These two tournaments complete this term's speech activities. Speech coach, Dr. Dwight Thomas, announced that the tournament will begin again in February with the Individual Events meet at USC.

Dabney exhibits "Great Ideas"

The second in the current series of art exhibits at Caltech is open to the public in the lounge of Dabney Hall through December 6, Monday through Friday, 9 a.m. to 5 p.m. and Saturday, 9 a.m. to 12 noon.

The display entitled "Great Ideas of Western Man" will offer a collection of color prints and advertisements designed by some top American artists for the Container Corporation of America.

BULLETIN—Miss Sally Shaw, secretary at Caltech's Graduate Office, was selected as a Rose Princess, according to an announcement yesterday.

The California Tech

Associated Collegiate Press honor rating: First Class

Editor—Bob Walsh

EDITORIAL BOARD

Steve Emanuel (Executive), Dave Leeson (Executive), Mike Milder (News), Howard Weisberg (Feature), Jim Wilkinson (Sports)

ASSISTANT EDITORS

Cleve Moler (Copy), Dave Nissen (Epicure), Dave Singmaster (Sports), John Torodoff (News)

REPORTERS

Bob Blandford, Bill Bauer, Al Carlin, Ken Casey, Eli Chermow, Gene Cordes, Frank Childs, Larry Crissman, Brad Efron, Bob Eglinton, Ford Holtzman, Mike Jones, Lloyd Kamins, John Lango, Hal Morris, Bob Norton, Kirk Polson, Rolf Richter, Dave Spencer, Louis Stansby, Phil Thacher, Lance Wallace, Joel Yellin, Wallace Yerbovsky

Art—Bruce Allesina, Ted Bate

Photography—ASCIT Photo

Business Manager—Dave Leeson

Circulation Manager—Eldridge Moores

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Editorial

Bias, Politics Hamper IHC

The Interhouse Committee recently passed a resolution providing for an immediate change in the interhouse sports point system. The action was taken to remove the major-minor distinction among the sports, setting the scoring on the basis of 25 points maximum for all sports. The resolution was passed to take effect immediately.

The argument proceeded approximately as follows: It was agreed around the table that there were approximately the same number of participants from all of the houses in any given sport. Therefore it was agreed, after a hazy (and incorrect) reference to the ASCIT varsity award policy, that the sports code should fairly be set equal in scoring weight.

At this point the question arose of when the proposal should take effect.

A motion was placed on the floor to make the change effective retroactive to the beginning of the year. On this question the vote was split sharply into those who stood to gain immediate benefit and those who stood to lose. As more stood to lose than gain, the motion to act retroactively was defeated.

The question then became: now, or in the future? At this juncture the troops returned to their respective houses to count their points and see where they stood to lose or gain. The outcome of the vote was in question until one house discovered it had a "rock" in a former minor sport; in the interests of expedience this house changed its vote, and the motion to make the change effective immediately passed, 7-1-1.

It is horsetrading and jockeying for advantage by changing rules in the middle of the game that makes the Interhouse Committee at once laughable and a scar on the otherwise more than respectable student government scene at Caltech. The decisions of the IHC are based, not on the relative long-term merits of the proposal, but most definitely on the present advantage to be gained by each voting house. The IHC is nothing more than a marketplace where each house can foster moves to its own advantage, rather than a body which acts in the interests of all of the houses and with the future in mind.

Horsetrading of this type was obviously behind the recent modification of the Varsity Rating Trophy scoring. Each of the changes is clearly to the disadvantage of one house, the very house which has been predominant in this competition in the past. This is no coincidence.

That student government can function free from house bias has been ably demonstrated by the ASCIT government agencies. Admittedly the IHC is the logical body to control such interhouse activities as interhouse sports and Varsity Rating competition, but there is no reason in the world why such a responsible body should stoop to the immature level of changing the rules on the basis of immediate advantage to be gained.

The proper method in matters such as the above cases is to pass the resolution to take effect in the future, say after one or two years, thus eliminating petty house interests as the deciding factor. There is no reason, other than that no one has objected publicly and effectively, for the IHC to remain the sloppy, provincial group it is today. Even the minutes are ill-considered, uninformative and unfunny while trying to be humorous. The Interhouse Committee does not measure up to the standards of student government as it is found elsewhere at Caltech. Ill-considered actions such as those mentioned previously make a farce of the deliberations of the men who are presumed to be serious leaders on the Caltech campus.

'Honor Spirit'

The Caltech Honor System is mature to the point where it is felt that no definitive list of topics covered by the Honor System is necessary as a guide to student conduct. Rather than restrict ourselves to such a set of rules, we have been content with the statement that "the 'Honor System is to be the fundamental moral code of the student body.'" Under these circumstances the student must guide his actions according to the code of ethics that is established by the principles of the Honor System rather than by a code of written laws. This message is dedicated to the task of preparing the student to successfully assess the considerations relevant to the Honor System.

System vs. Spirit

First let us draw a distinction between the Honor System and what we may call the Honor Spirit. The Honor System is the easier of the two to define. It is composed of the Board of Control and the particular areas in which the BOC exercises its jurisdiction. It is a restricted system covering only those areas which fall to it from the action of previous Boards and those areas it may assume during its present operation. The Honor Spirit is the thinking that leads the individual to develop self respect, academic integrity, and personal honesty by governing his activities not covered by the Honor System in the same spirit of fair play and honesty as he does in his activities that fall directly under the authority of the Honor System. The Honor Spirit then is an all inclusive philosophy which forms the basis of the policies adopted by the Board of Control.

In line with the Honor Spirit the Board of Control has clarified its position on the matter of thefts with the adoption of the following resolution. It will hereafter be considered a violation of the Honor System for any student to take possession of any articles, personal property or Institute property, which he is not authorized to possess from any point on the Caltech campus. Furthermore, the Board of Control strongly condemns any off-campus stealing and will prosecute all such cases of off-campus stealing that are referred to it by any higher authority.

Perhaps it would not be unwise to point out that the above resolution clearly applies to stealing materials for any house social function as well as to stealing for personal gain. It is felt by the Board of Control that such action on the part of the student body falls outside the range of behavior permitted within the scope of the Honor Spirit.

(Continued on page 8)

Global News

JORDAN

Jordan received Dag Hammarskjold in Amman to consult with King Hussein and his government about Jordan's refusal to deal with Colonel Byron V. Leary, head of the U. N. Truce Supervisory Organization. The agenda is limited to specific trouble spots and grievances as the Arabs are afraid that Dag may be trying for a resettlement of Palestine refugees or for a permanent peace with Israel. Previously, Jordan had charged Israel with kidnapping, and Israel had charged Jordan with blocking a convoy.

FRANCE

France's Premier Gaillard won two votes of confidence on Algerian policy from the National Assembly, but abstentions and absences were heavy. The first bill will divide Algeria into six or seven domestically autonomous regions under both European and Moslem control, while the second will give Moslems man for man voting equality with Europeans. However, Europeans have control of a second chamber which can suspend law application for two years. The entire reform depends on the restoration of conditions for free elections and on Algeria remaining a part of the French Republic. Foreign Minister Pineau has asked that the U. N. stay out of Algeria as the revolt is beaten. Meanwhile, Egypt has announced a sale of arms to Tunisia, and Macmillan of Britain has, after a long discussion, given no promise not to ship arms.

INDONESIA

Indonesia has announced a 24-hour strike against Dutch rule in West New Guinea. Previously, the U.N. had refused a proposal for negotiation between the two nations.

KREMLIN

Krushchev's desire to unify the world's communist parties under Moscow control bore fruit as parties from 64 nations endorsed all major Soviet foreign policy stands. However, Yugoslavia refused to sign a declaration of a united front for world communism.

THE STATES

Eisenhower was stricken by a slight stroke while conferring with King Mohammed V from Morocco and retired to his Gettysburg farm for rest. The stroke will prevent his attendance at the NATO conference this month, but he has now resumed limited activities. The stock market took quite a fall, but business was run as usual at the White House.

The AFL-CIO is having its second constitutional convention this year and intends to expel four corrupt unions totalling somewhat less than two million men. All four are working on reform bids, but the AFL-CIO has told the Teamsters that there will be no bargaining until Hoffa agrees to quit as president elect. The fear that three million building trade unionists would bolt over a jurisdictional dispute with the industrial unions is growing less.

Secretary of Defense McElroy announced that the construction of the missile Thor by the Air Force and Jupiter by the Army have been approved. Neither is fully developed and duplication is costly, but the construction of missile sites in Britain will be permitted at the end of next year. The Senate Preparedness subcommittee is now carrying on an inquiry into our missiles program and previous lack thereof.

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Students' Day chairman Andy Perga shows off "Hi-Volts" demonstration to Homecoming Queen Mary Anne Seltzer. Demonstration will be seen Saturday by 1300 visiting students.

Ram Star Speaks At Banquet Monday

ASCIT's annual Fall Sports Banquet, to be held 6:15 on Monday, December 9, at the Brookside Park Golf Club, will mark the end of the Fall '57 sport season.

Norm Van Brocklin, quarterback for the Los Angeles Rams, will be the main speaker for the evening, and Dr. Eagleson will act as toastmaster. An excellent steak dinner will augment the presentation of awards, letters, and trophies to members of the football, soccer, water polo, and cross-country teams.

ACP Stresses Freedom

"The young college campus editors are clamoring for more editorial freedom. They want to give their readers something more than chit-chat and hip-hip-hurray journalism. Some feel it's their duty to discuss political affairs of world significance." So stated the Editor and Publisher of the magazine in reporting the 33rd annual conference of the Associated Collegiate Press in New York City recently.

The article continued: "Some believe they should hold their own college administration up to the candle of criticism." Several editors, the magazine emphasized, attributed the lack of freedom to having their publications designated "official newspaper of the college."

Good for the college

"A casual acceptance by school editors of administrator's instructions to 'just do things that are good for the college' proves to be the bane of campus journalism, according to the conference consensus," says the

Wheaton Trophy
Among the many awards, the most outstanding one is the Wheaton Trophy, which will be issued to a yet unnamed football player on a basis of sportsmanship, moral influence, and scholarship. The equally important All Conference Plaques will be given this year to Larry Berry and Dick Van Kirk.

Former gridders
As has been the custom in the past, ASCIT has invited former Caltech football players from 10, 20, and 30 years ago to discuss sport events from the good old days and the present. This year's dinner has a distinctive touch by having a championship team as its guest — the Caltech Varsity Soccer Team.

Tickets
The price of tickets is \$3.00 for general admission and \$1.50 for team members. Tickets may be obtained from Rus Pitzer, Reed Saunders and Brent Banta.

magazine. The story also noted one editor who "deplored the attitude of some who say 'there's no sense in publishing something that doesn't affect us directly'."

Aftermath... Spectator Sentenced

Mike Janssen, Caltech Junior, was arrested last November 15 by the Pasadena Police during the Bonfire on San Pasqual St. after the football game with Occidental. Janssen was arrested for failure to disperse when so ordered by an officer of the law.

There was little damage done by the fire itself, but the spectators, both students and faculty members, failed to cooperate with the officers who had attempted to control the situation. The school was surrounded by policemen and squad cars after the game.

New Charge

When it was found that Janssen was the only person who had been charged with failure to disperse, the charge was changed to "failure to move out of an area when so ordered by an officer of the law." Janssen stated that "My arrest was unreasonable in view of the fact that I had done nothing to make myself more objectionable than other members of the crowd."

He drew a five-day suspended sentence.

Around The Quad

GREEN

George W. Green, vice-president for business affairs and comptroller of the Institute, has been elected secretary-treasurer of the National Federation of College and University Business Officers Association.

KILLIAN COMMITTEE

Dr. R. F. Bacher, Chairman of the Physics, Math, and Astronomy Divisions, is one of the five experts appointed to the new Science Advisory Commission headed by Dr. James Killian.

Now separated from the jurisdiction of the Office of Defense Mobilization, the Committee had been working under Dr. I. I. Rabi of Columbia.

Robertson

Dr. H. P. Robertson was appointed Chairman of the Defense Science Board by Deputy Defense Secretary Quarles. The 25-man advisory group to the Secretary is assigned the task of studying the military potential of scientific and technical advances and rendering specific advice on the Defense Department's research and development program.

Prexy Sees Incentive in Russ First

Dr. Lee A. DuBridge is "glad the Russians sent up the first earth satellite."

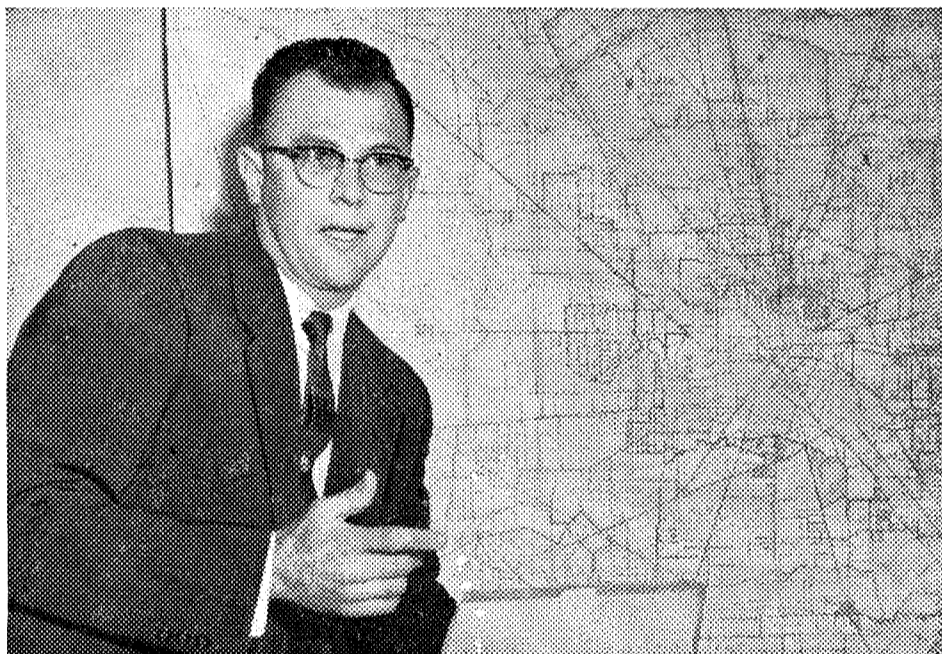
The Institute President went on to say, in his talk to the Physics club Thursday, November 21, that the Russian launching of the first satellite will serve to make us realize that Russia, having built a soundly conceived educational system, is able to do and is doing fine work in physics.

He said that we could have sent up a satellite years ago, but that no one realized the propaganda value of the launching. Many of the agencies which could have launched such a satellite were busy with projects which were of more military tactical value.

Parity More Important

Dr. DuBridge called the launching of the satellite the result of the mere development of another instrument rather than a real scientific advance. He said that as far as science is concerned the discovery of the non-conservation of parity is more important than the satellite.

A Campus-to-Career Case History



"I looked at all the angles"

Howard R. Winter, B.B.A., Texas A. & M., '51, is now a Commercial Manager with Southwestern Bell Telephone Company in Houston, Texas. He's in charge of 30,000 telephone accounts and a staff of 36 people.

Howard's interest in a telephone career dates from his first interview with a telephone company representative. "I looked at all the angles," he says. "We discussed pay and chances for advancement, which looked excellent because of the rapid growth of the Bell System. We talked about many different kinds of work, and about what would be expected of me."

After receiving his degree in business administration, Howard joined

Southwestern Bell's Commercial Department. "It was natural for me," he says. "I have a business background, I like to sell and make contacts."

"My training gave me a really solid foundation in the business. Two years in the Army interrupted it, by the way, but the two years were credited to my telephone company records and count toward all benefits. After I'd returned and finished my training, I was made a business office supervisor. And since February, 1956, I've been a Commercial Manager in Houston. Each assignment I've had has been a real challenge and has presented a tremendous opportunity to contribute to and advance in the business."

Be sure to investigate the career opportunities for you in the 17 Bell Telephone Companies serving all 48 states. On your campus the local company represents the others. For more information about these career opportunities, read the Bell Telephone booklet on file in your Placement Office, or write for "Challenge and Opportunity" to: College Employment Supervisor, American Telephone and Telegraph Co., 195 Broadway, New York 7, New York.



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Greene and Caltech

by Bob Walsh

Dr. Greene's visit (see page one) has been a contact with philosophical thinking and problems, a chance to reflect more deeply than usual on our personal philosophies, and an opportunity to study closely an outstanding theistic philosopher.

Greene is not a young man. Frequently one finds that his ideas are expressed "patly" because he has repeated them so often. This tends to give the incorrect impression that his notions have not been carefully thought out. However, one is impressed by his desire for clear and careful studies and analyses of human values, and it is clear that he has devoted much of his life to this type of endeavor.

Wisdom and clarity

He feels that the instruments of this study are clear thinking and the wisdom that comes with worthwhile experience. His wisdom and thinking seem to have brought him to the conclusion that the basic values are indeed universal, and he apparently feels that this universality must be caused by a higher agency.

Greene's greatest weakness as a lecturer during the first two days has been in underestimating the cogency and advanced philosophical thinking of the students. He has taken great pains to show exactly where the important questions are, but it is probable that most of his audience had already reached the conclusions he was drawing. Therefore the discussions have been of greater interest than the lectures.

Most Techmen will find it worthwhile to take an hour or so from their last-minute studies and meet Doctor Greene.

Pit and Paddock

by Crissman, Eglinton & Norton

We went searching for material the other day, and finally ended up at the Noll Baldwin Inc. Sports Car Emporium, 1285 E. Colorado St., with cameras and clip boards clutched in our hot little hands. We quickly spied a shiny, red, 1958 Triumph and were gathered around it making odd noises when we were approached by a pleasant gentleman who introduced himself as Jack McCarthy.

He was most cooperative when he discovered that we only wanted pictures, and weren't really planning to make off with it. He wheeled it out and responding to our not too subtle hints, gave us a ride.

The '58 model differs from the earlier TR-3 primarily in the grill and the seats, but the grill alone is an improvement, as you can see from the picture. The car has an 88 inch wheelbase and weighs 2140 pounds dry.

Its standing start ¼ mile is done in 12 seconds and it will go 110 mph, with only 100 hp. The new ones have SU carburetion instead of Webers. It has an occasional seat that is even more occasional than the Healy's, as we found out when two of us were forced to ride in the back during the ride. Even with four people in it the car seemed to have plenty of go.

Brakes are Outstanding

The car's most spectacular feature is its brakes. The TR-3 is the only production car under \$5000 that is equipped with disk

brakes. It uses Girling Disk brakes, and they really take hold. These brakes gave the TR-3 the edge in the rugged Alpine Rally, which takes place on the 2500 miles of Europe's roughest roads. The Triumph took the first five places! The only thing we couldn't figure out was what the door locks were doing on it. Other than that it met with our enthusiastic approval.

The car lists for \$2,699.00 P. O.E., and the hard top model is about \$200 more. Saturday we are going to the local Ferrari and Mazerti dealers to see if maybe . . .

Formula III Cars

Notice to all interested; Mr. Harry Morrow, President of the 500cc Club of America, will be speaking at the SAE Club meeting tonight, Dec. 5, at 7:30. He will talk on Formula III cars, and it should be very interesting. Formula III cars are race cars that are limited to engines of 500cc (30.5 cu. in.) They are often home made, and are a lot of fun to watch.

Race This Weekend

This weekend the California Sports Car Club is sponsoring a race at Paramount Ranch race course. This is probably the most interesting short course on the coast, mainly because it is composed of tight up and down hill bends and an underpass. It is located off Ventura Blvd. (Hwy. 101) near Agoura. The location is somewhat obscure, so just follow the sports cars.

Human Review

College Students Help Lethargic Pala Indians

by Bob Blandford

"Hi, my name is Linda; this is Ray and Janice and we're all from L. A. State." As we pulled John's station wagon to the side of the road at the Pala Indian Reservation those were the first words we heard. We were there to dig ditches for sewers, and right off the bat our welcoming committee led us to the 400 foot trench dug in the past two weeks by students.

Five people were visible. Two men and two girls were shoveling dirt from one of the side branches of the main line. An Indian man was standing on the bank watching them. It was obvious that he was drunk.

Labor begins

One of the two men in the ditch asked in a soft drawl, "We're from Pasadena College, you all from Caltech?"

"Yeah, is this where we go to work?" We spoke a while longer while he outlined what needed to be done, then we climbed into the ditches and began to dig. The sun was high, dirt slid into my hair, off came the sweatshirt, dust gritted between my teeth and clotted into mud in my nose. The canvas working gloves became hot and slick. Farther down I could see Tom and Andy working. About two o'clock, Roger arrived from Tech with the weekend's food, and everyone stopped for ham sandwiches and milk. Work began again after lunch and kept going till dark.

Government Neglects Indians

That night, after washing the supper dishes, we had our first meeting. We fitted three long tables, eight benches, thirty students, and ten Indians into a room the size of two student house doubles.

We heard that the Bureau of Indians Affairs had neglected the Indians. "Two weeks ago we sent for permits and they haven't even replied." "They are not helping us in our attempts to attain self-government." So it went — a real town meeting — but with the men strangely left out. All of the speakers except one were women. Three of the four Indian men present were drunk.

Dance Follows Work

All day Saturday thirty students, ten grown Indians, and

assorted children dug 300 feet of five foot trench and began heating tar and laying pipe. Saturday night we had a dance.

From the dance hall ceiling hung two naked light bulbs and beneath one was a white-washed kitchen table. On the table was a portable phonograph which plugged into a screw-in socket at the bulb. Crepe paper and balloons formed two large star-like arrangements on the ceiling. On the wall in red crepe-paper letters were the words, "Welcome AFSC."

Four or five couples were always dancing around the phonograph; a Pomona sophomore co-ed and a drunken Indian husband; a State girl and a Tech man, each with a ten year old Indian kid riding horseback; a Techman and an Indian girl; a Pasadena College man and a colored girl from Pomona.

In the corner by the door four or five male teenagers fingered their crucifixes and watched silently. Most of the Indian men sat on benches around the room. In the kitchen their wives heated tamales and coffee and offered them to all comers.

About ten o'clock, Mac, a free wheeler who plans to leave soon for a year or two in Europe, where he'll drift and do odd jobs, pulled off a little group into a quieter room between the kitchen and the girl's sleeping room, plugged in his tape recorder, and played back recordings of some personal appearances of his friend Odetta, the folk song singer. By 11:30 twenty people were standing, sitting on boxes, leaning against sleeping bags, lying on mattresses . . . listening.

Weekend Finishes; Time To Go Home

Sunday morning we laid pipe. Oakum, tar, clay, cement, shovel, pick, level, chisel, fire lime . . . "Make them clink together boys, now the oakum, collar, smear the paste around that spot, now pour in the tar. Gently . . . O.K. cover her up . . . that's finished."

"Thanks Mrs Hawaka, the lemonade tastes great."

"Chipper, you make sandwiches like a chef."

"O.K. Anna, we finish next week, I'll try to be back, how about you?"

Campus Brewins

Mistake Made Good

Ken "the kid" Diddlewit was accosted by Bobs by a bovine ex-relation (who hasn't been seen by the Beak in about two years), when he saw her with his copy of "Love without Fear" sticking out of her Bermudas. They were desperately trying to catch up when Stud Con John entered and was seated next to fair damsel. The happy sequel to the episode is that Con shows no interest in her female posterior or anterior exhibitionism. Perhaps the Beak will hear the cries of "Yes Ken yes" answered by something other than "No Lela no."

Turkey in the Straw

Ger the Bear is hitting a hefty 500 batting average on the turkey day weekend.

He asked two hens the age

old question. One kicked him out of the house. The other chick gave the age old answer.

Trouble at T. J.

Phlem's Housemother Doctor took the hint from Paul and Ford about how nice a town T. J. is. All went well until he tried to bring something back. Fortunately the border people only found one of five of his booty. Beak has found that if you want to bring it back you should tape it to the car frame.

Why Techmen Flunk Out

Sweet Young Thing: Oh, What are you studying?

Tech. Snake: Differential Equations which I might add is far better than liquor and sex.

Young Thing: Well, I don't know about you, but as for me I much prefer sex.

EPICURE

Poetry and Jazz

The "West Coast Jazz and Poetry Festival," Thursday, Friday and Saturday nights, 8:30 and 10:30, Los Angeles Jazz Concert Hall, 3020 Crenshaw Blvd., RE. 1-7269.

Southern Californians have a chance for the next few days to hear for themselves the unique and well publicized product of the "San Francisco Renaissance": poets of the "beat generation" reading their works to a background of jazz music.

Cinema

Jailhouse Rock — Presley pictures are usually made to order for reviewers, but this one was just bad. It wasn't even funny bad, just plain bad. The music was bad, the plot was bad, the construction was bad, and it sported two hours of the most surpassingly bad dialogue I have ever witnessed.

Don't miss it if you can't.

NISSEN

Time Limit — Problems concerning brainwashing and "turn-coats" are illustrated excellently here when Richard Widmark, an infantry colonel, conducts a preliminary investigation of the case of a major who signed germ warfare confessions and aided Red propaganda during the Korean War. Widmark eventually uncovers the full and interesting story of what happened, in spite of both the defendant's reluctance to defend himself and his commanding general's bungling. All the facts are presented, but the moral question

is left for the audience to resolve.

The production is good with only minor technical errors to detract from realism. Although this film does not delve deeply into psychological or moral questions, it is a good stimulus for thought and excellent serious entertainment.

Valerie — The principal virtue of this adult western is the cleverly realistic divergence of the testimony of several witnesses in a murder trial. While the production, acting and plot are not of the highest quality, this is a good second feature.

CHERNOW

Theatre

Colombe, The Dahl Theater, Wed.-Sun., 8:30.

Los Pasadas, Padua Hills, Wed.-Sun., 8:30.

The Holliday Show, Cabaret Concerttheater, Tue.-Sat., 9:00.

Jazz Moods, Biltmore, Sunday, 3:00.

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By Gene Cordes

With the Christmas season and its parties nearly upon us, perhaps a word or two concerning a party-type punch would be in order. This week's contribution is due to one Dr. Richard Jahns, who currently resides somewhere in the Geology department. His punch has long been a favorite of many Caltech students and is ideal for a college situation as it takes little skill to prepare, has an unbeatable flavor (for a punch) and contains large amounts of alcohol.



Geology Punch

- Large punch bowl (Bathtub suitable)
- 2 quarts fine dry sauterie
- 2 quarts white rum (Puerto Rican will do fine)
- 1 bottle ginger ale
- 1 quart grapefruit juice

Dilute with a teaspoon of plain water. Toss in a dozen dry ice cubes, stir briskly and serve in large glasses.

This punch is about 35 proof, which is pretty stiff for punch. However, for those who like their drinks strong this may be beefed up by using 151 proof Demerara Rum or by the simple expedient of adding ethanol, which may be purchased commercially under the trade name of Everclear.

Antidote

As this punch goes down like soda pop, there will be those who will imbibe an abnormally large quantity. Rather than resort to Sal Hepatica highballs the next morning, we suggest the following remedy.

- 1 jigger whiskey
- 1 teaspoon chile powder
- 1 teaspoon Worcestershire Sauce

Dump this into bowl containing one raw egg white and beat until egg white is fluffy, being careful not to jiggle head while mixing drink. Drink rapidly and struggle back to bed. Expire.

Jazz

Album Shows Brown's Greatness

by Lloyd Kamins

Clifford Brown and Max Roach EmArcy MG 36036. featuring: Clifford Brown, trumpet; Max Roach, drums; Harold Land, tenor sax; George Morrow, bass; Richie Powell, piano.

Occasionally a jazz artist of major stature remains unrecognized and unheralded simply because of the tremendous number of young musicians in the field. So it was with Clifford Brown.

Toward the close of his short but brilliant career, the critics began to realize what they had missed. Brown began to receive the acclaim he rated, but it was not until after his untimely death in 1956 that he was actually accepted as an all-time great.

There was a tendency then to idolize Brownie's work to an extent out of proportion to what he had actually played. Certainly these tributes were well intended and almost merited, but there still remains the fact that the entire field of jazz should be held guilty for the years of silence.

Fortunately, Clifford Brown was often recorded, and there is an ample amount of his playing to be heard. His records range from the early Tadd Dameron band to the Roach Quintet with which he spent his last years. Some beautiful lyrical sides

were also issued, in particular, the **Brown with Strings** album. Instead of the driving, soaring horn with which Brownie is so rightly normally identified, the album portrays Brownie's more gentle moods, and is a showcase for his phrasing of ballads.

Up and Swinging

The album reviewed here is similarly a showcase for Brownie, but on these sides everything is up and swinging. Brown seems to have had no limitations put on his imagination by technique problems, as he demonstrates full command of the horn.

Everything flows logically along, with one effervescent phrase bubbling out over the one before, as if the soloist is afraid he might not have a chance to say as much as he would like to. There is a consistent impression given of endless reserve, waiting impatiently to be tapped.

Brown Says Things

Brown plays as if the entire solo were a unit, utilizing a continuously building frenzy, quite communicable to the listener, that finally explodes into a climax. He plays fast, to be sure, but he says things. Instead of meaningless twaddle, the lines of Clifford's work are full of logic and emotion, and are compelling and encompassing from start to finish.

The well picked tunes are all solid themes as such, and are excellent vehicles for improvisa-

tion. Of Clifford's contributions, **Daahoud** and **Joy Spring** are on their way to becoming jazz standards. Not many songs swing as hard as Duke Jordan's marvelous **Jordu**, and it is in excellent hands in this instance. The intriguing theme is set before the listener, and then it's Brownie all the way.

Personal Favorite

The exotic **Delilah** is my personal favorite, and I wonder why the simple, haunting melody has not been played more often. I hold similar feelings about **What Am I Here For**, a too seldom heard Ellington tune. **Parisian Thoroughfare** is interesting, but that's about it. It doesn't quite make it.

The highest emotional state was attained in **Blues Walk**, a song claimed as an original by at least half a dozen jazz stars. The theme is good, and in the blues choruses the whole group is in their best form, but it is a device used in the chase choruses that really makes the track.

Brown and Land trade fours for a few rounds, and then step up to trading two bar phrases. Both soloists are in perfect accord, building upon each other's work. The communication is held as they trade ones, and finally trade two beat kicks. Brown and Land then wind up what could have been one continuous solo with the ecstatic statement of the theme. It is all so well performed and so fluently conceived, that I can never get past the track without replaying it.

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Bob Dalbeck

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"By 1957, when it's time to replace the tank, the company has set aside \$25,000. But what has happened? Due mainly to inflation, higher wages and material costs, the tank now costs \$125,000.

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replace one 80,000 barrel tank, of which we now have over 150.

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tanks and other equipment we have to replace to stay in business, there'd be no jobs for any of us!"

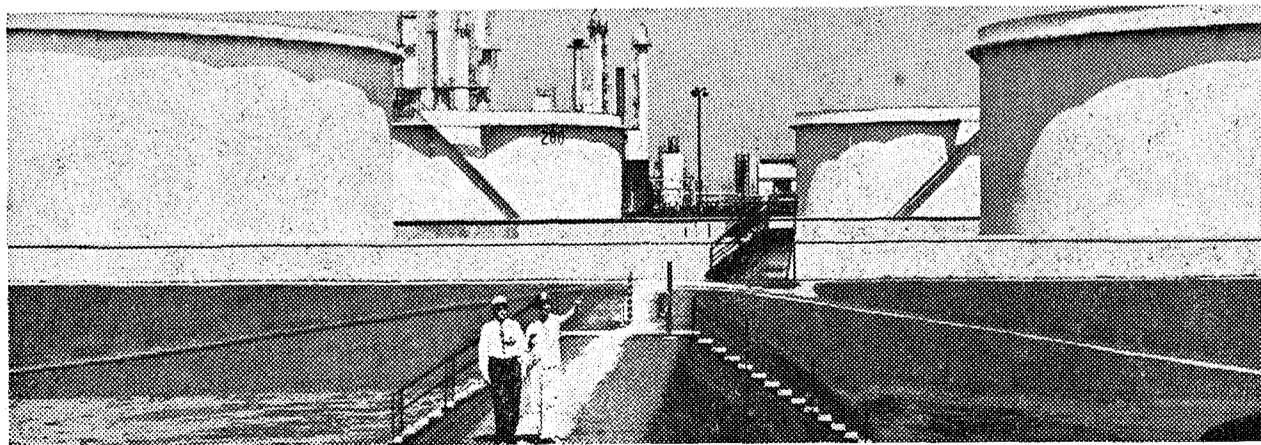
* * *

Bob Dalbeck is something of an authority on profits. He is an Assistant Comptroller for the company.

He estimates that only about 19 minutes in the average company's 8-hour working day go to earn a profit. The rest is spent paying off the cost of doing business.

And less than half of those 19 minutes result in dividends to share holders. The other 9½ minutes are reinvested in the business to keep it up to date and competitive.

YOUR COMMENTS ARE INVITED. Write: The Chairman of the Board, Union Oil Co., Union Oil Bldg., Los Angeles 17, Calif.



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ASCIT photo

Ed Tumms, who scored three goals, passes to Brian Grey penetrating Pomona's defense during fast-moving game which Tech won 4-2, to capture league championship.

Soccermen New League Champs

The Caltech soccer team defeated Pomona 4-2 on the home field Nov. 23 to win its first league championship since 1953. Coach Anderson's men compiled a season record in league play of 4-1-1 to cop the big prize. Final stand-

Caltech	4-1-1
UCLA	4-2
Pomona	3-2-1
Riverside	0-6

Following regular league play the booters took on a local professional team, Scandia, under the light at Paddock field, succumbing after a hard fight by a close 2-1 margin.

The big game of the season was the second game with Pomona. Before the game both teams were tied for first place, so "the pressure was on." In a hard and fast game, tied 2-2 at the half, Ed Tumms, right inside, scored three goals and Luis Baez-Duarte booted in a clincher as the team rounded out a 4-2 win.

In the first game of the season a 0-0 duel was played out on Pomona's field. At the time, this was considered as a mild upset by the Beavers.

They next downed Riverside 2-0, following which UCLA was humbled 3-2 in one of the season's closest games. In a return engagement at Westwood the Bruins gained their revenge via a 2-0 victory.

The season's only run-away game was played here with Riverside and the booters romped with 7 scores, as Riverside failed to dent the Tech defenses.

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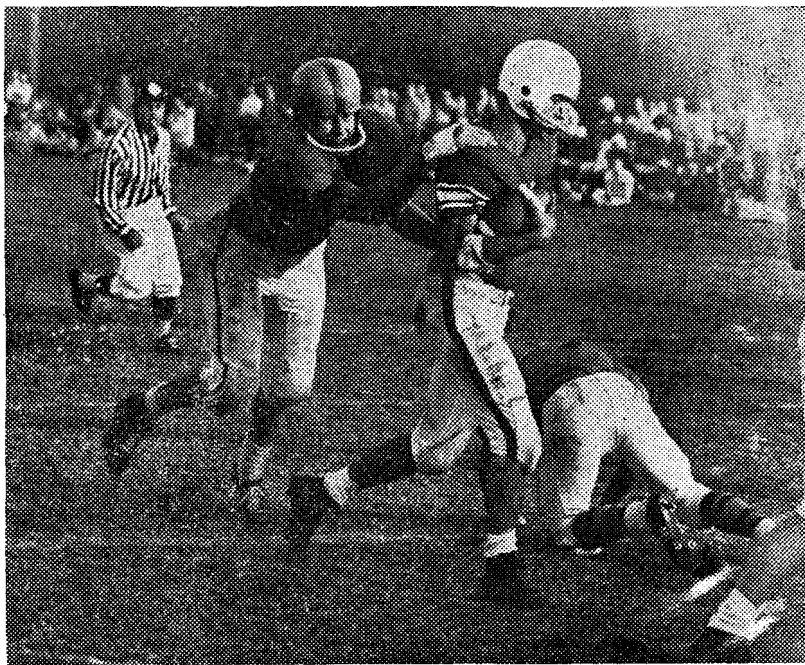
Opinion AS I SEE IT

by Dick Van Kirk

Much as I regret to say it, football season is over at Caltech. Next major sport on the calendar is basketball. Coach Gene Rock's varsity basketball team already has played one game, and two more are scheduled to be played before the Christmas holidays. As the upperclassmen know, the win-loss records in basketball haven't been the best in the past three years. Four years ago Caltech won the SCC championship in basketball and since then the Beavers have been unable to win a conference game. This year things may be different.

Lack of height

Chief characteristic of this year's outfit is lack of height. At 6' 1½", Glenn Converse and Larry Kraus are the tallest of the eight or nine "regulars" who will be doing most of the playing for Caltech this season. At first glance, the lack of height is the thing which will be noticed by any casual observer. If you watch the team in action, a second common characteristic is glaringly obvious. That is a unanimous and tremendous output of that thing called "hustle."



ASCIT photo

Dick Van Kirk, Tech's all-SCC quarterback, gets caught from behind by LaVerne player. Tech went on to win 21-7.

Berry, Van Kirk unanimous all-SCC first string choices

Tech quarterback Dick Van Kirk and tackle Larry Berry were unanimously placed on the all-SCC first team last week. On the second team, the SCC coaches voted spots to tackle Russ Pitzer and halfback Don Stocking. They led the Beavers to their first winning season since the days of V-12 research.

Season record:

41 Riverside	7
13 Redlands	39
7 Cal Poly	24
12 Whittier	20
46 Cal Western	19
27 Occidental	14
21 La Verne	7

The highlight of the season was the homecoming victory over Oxy, first in eleven years, while the big surprise of the campaign was the close loss to the conference champion Whittier Poets.

Tech placed well in all team statistics. The team was second in rushing with a total of 1541 yards and an average of 220.1 per game. In passing, the Beavers were third with 45 completions out of 100 attempts for a total of 736 yards, an average of 105.1 per game, giving a total average of 325.3, second in the conference. Team defense was outstanding. Only 882 yards were made rushing against the Beavers for an average of 126.0, best in the conference. Total defense was again best in conference.

Webmen Compile 2-4 League Record For 3rd Spot

Two weeks ago Friday the Caltech water-poloists finished the 1957 season by losing to Occidental in an exciting, heated contest

that went Oxy 9-5 in double overtime after leading 5-3 early in the fourth quarter. This loss gave the team a 2-4 record in league play, which garnered the Webmen third place in the SCC standings. A win over either Pomona or Oxy would have given the "polo" team second in the conference, and the Beaver Tankmen had victories from both teams snatched away in the waning moments.

According to a playing team member, the two decisive, close games went like this:

"In the Pomona game a 4-3 lead in the late third quarter vaporized when All-Conference Center-Back and League-leading scorer Clarke Rees was illegally and obviously seriously fouled by the Pomona goalie while in good scoring position. Instead of the Pomona man being removed

(Continued on page 8)

Broncs Beat Beaver Cagers In Opener

Cal Poly hoopsters grind out 59-44 win; Newman scores 15 to lead team

The Broncos from Cal Poly dumped Tech's basketball team 59-44 on the home court. The Beavers' '57 cage debut on Tuesday was a singularly unspectacular game after the Broncos opened a ten-point lead early in the first half and held it with little change until the final gun.

Tech's all-SCC forward, Fred Newman and Cal Poly's Hogan, led the scorers with fifteen points apiece. Bob Emmerling was the second big gun for the

Synonomous with hustle is alertness.

Watch the Beavers in action for any length of time and you get a vivid demonstration of their alertness and hustling style of play. The players are constantly on the lookout for opportunities for fast breaks, or for screens and blocks to set up a scoring chance for a teammate, and when the opportunity comes they do their best to make the most of it. That they are not always successful in these attempts is a result of lack of polish and experience, and certainly is not due to a lack of desire, or to a casual attitude on the part of the players.

Reserves

Another noticeable fact about the team is the increased balance between the starting team and the alternate unit. Whereas last year there was a big difference between the first and second teams, this year there are several players who are pushing for starting berths, and making a real fight to get on the first team.

Obviously this competition is good for the team as a whole, since it makes everyone try harder. The starters hustle to stay on the first team, and the second team plays that much harder, because they know that they have a good chance of taking over one or two starting positions.

Games Tues. and Wed.

Next Tuesday and Wednesday at 4:15 p.m. Caltech plays two home basketball games. If you're interested in watching the team and you go to the game, I'm sure you'll notice the three things I have mentioned above. The problem for the team is to make sure that the second and third facts are more noticeable than the first. I'm prejudiced, but I'm betting on them to do it.

Beavers with ten points from the floor. Every team member who played scored, to bring Tech's total to 44.

Cal Poly's scoring was well distributed over its first stringers, all of whom had at least eight points.

The first half was slow moving, marked by a lack of shooting, especially on Tech's part, accounting for the low 27-17 score. Tech's predicted hustle was much in evidence, but poor passing evened the advantage gained. This is a not incurable fault and with more practice, coach Gene Rock's team stands to be a real contender.

During the second half, Tech

(Continued on page 8)

SCC Runners Compete

Tech's cross country team will enter the SCC championship meet, Saturday at Mt. San Antonio Junior College, with a 4-2 record. Although Oxy is favored to win, the duel between Tech and Redlands for second place is expected to be close. The meet will begin at 10:00 a.m.

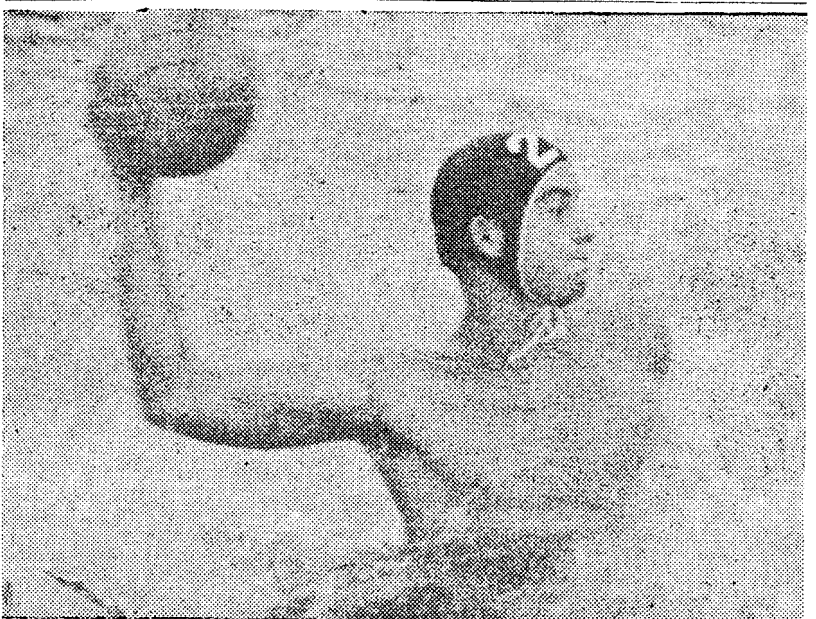
Mike Rusch, Reed Saunders and Danny Wulff are expected to lead the Beaver runners in this annual conference event, while Wes Shanks, John Uncapher, Mauritz Kallerud, Tom Keil and Jerry Hansen complete the Beaver entry.

Interhouse sports equalized by IHC

On Nov. 20, the Interhouse Committee voted 7-1-1 to put all interhouse sports on the 25 point basis, effective immediately. This decision raises swimming, volley ball and tennis to major ranking this year, leaving cross-country to be pushed up next year.

The pre-vote discussion was "hot and heavy." One segment led by Bob Lange held it "illegal," and unprincipled to change the rules in the middle of a game. Leading the immediate opposition was Mike Konrad who argued for the "lesser of two evils", and the point of precedent set by the action on varsity rating points.

The battle raged until the men of Dabney were finally swayed by the hitherto un-introduced principle that swimming was now a minor sport. The tide was turned, the battle won.



ASCIT photo

Norm Velinty goes high out of the water to get off long pass to Clarke Rees, who scored in losing cause against Oxy.

Million-Dollar Brains Spur Caltech Research

by Les Hirst

Equipped with a million-dollar battery of "mechanical brains," Caltech has begun a major expansion of its research program in the field of large scale machine computing.

The objectives of the enlarged computer program, as summarized by Dr. Gilbert D. McCann, Caltech professor of electrical engineering, are as follows: 1) to provide a general computing service for existing campus research; 2) to make possible new fundamental research in theoretical mathematics; 3) to provide a nucleus for research in the application of machine computing methods to engineering and scientific analysis; 4) to provide a facility for the instruction of students in computing methods, design and instrumentation.

Computers have of late been applied with increasing importance to such problems as the determination of optimum design for airplanes and missiles; the interpretation of data obtained in Caltech's X-ray crystallography research program; and the solution of complex problems in the mechanics of nuclear particles arising in connection with Caltech's synchrotron.

Facilities of the new center will include: an ElectroData Datatron, a large scale general digital computing service facility for the campus; a large scale direct analogy electric analog computer, to be used largely for structure analysis in airplane and missile design problems; an IBM 795, for research in computer design and application; and an LGP-30 general purpose computer built by Librascope Inc. of Glendale.

Funds for support of the new program have come partly from the Institute's general funds, but local aircraft, electronics, and other corporations have also provided liberal financial support.

Newspaper Cooperates With Trolls

"COLLEGE MEN!"

"Did you know that beginning 1 April 1957 you can discharge your military obligation to the nation — (1) WITHOUT being drafted? (2) WITHOUT going away from home for more than six months? (3) WITHOUT later interruptions to your education or career?"

"It's true. You young men in the most "draftable" age group — 18½ to 26 — can now fulfill your entire military obligation by joining the 63rd Infantry Division, the southland's largest Army Reserve outfit, or other reserve units." — Major General H. K. Kellogg

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For each of these activities, you receive FULL PAY.

Contact the 63rd Infantry Division Headquarters, 822 South Western Avenue, Los Angeles 5, California, DUnkirk 5-6363.

HOOPERS LOSE

(Continued from page 7)

settled down, soon after half-time approaching within seven points. Cal Poly held on, however, as the two teams fought on even terms down to the toe late press in the waning moments.

BOX SCORE

Player	fg	ft	pf	tp
Converse, f	2	2-4	2	6
Magdaleno, g	1	1-1	0	3
Van Kirk, f	4	4-5	2	4
Newman, f	6	3-4	0	15
Kraus, c	1	0-1	5	2
Stene, g	2	0-0	1	2
Emmerling, g	5	0-0	3	10
Totals	17	10-14	13	44

Cal Poly

Player	fg	ft	pf	tp
Singh, F., f	4	2-2	1	10
Bode, f	0	0-0	0	0
Hogan, f	5	5-10	3	15
Singh, P., f	1	0-0	2	2
Puls, c	4	0-0	4	8
Wanamaker, c	4	1-1	2	9
Cota, f	2	1-4	1	5
Yamamoto, g	0	0-0	0	0
Rust, g	4	0-0	1	8
Branscum, g	1	0-0	0	2
Totals	25	9-17	14	59

PHILOSOPHER

(Continued from page 1)

Greene will be in the Ricketts guest suite this afternoon for informal discussions, and then he will dine at Fleming prior to his final session this evening.

The YMCA recommends this program to the Tech student as a chance to obtain "a greater understanding of religion, one of the important forces in human motivation."

HONOR SPIRIT

(Continued from page 2)

In closing we request that the individual student re-examine his thinking about the Honor System and inquire of himself if he is living within its range and more important within the range of the Honor Spirit. The continued success of the Honor System is not guaranteed by the fact that it has been successful for 47 years but is dependent on the acceptance by the student body of the basic principle of personal honesty.

GENE CORDES

ASCIT Vice President

WATER POLO

(Continued from Page 7)

and Rees being given a free shot at the goal (now occupied by a substitute goalie), Rees received a bloody nose for his efforts.

"In the Oxy game, All-Conference forward Kahkonen of Oxy was finally removed from the game after scoring an obvious kick on All-Conference Tech Guard Dave Tucker, and two more on Norm Velinty, the last a straight right foot to the head. After debating as to whether or not to remove this ardent polist, the referee decided to see if Velinty would retaliate with the expected left hook, which unfortunately did, and then removed both stalwarts for unsportsman like conduct."

Sticklers!

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(SEE PARAGRAPH AT RIGHT)

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WHAT IS A CANDY-CHEWING SISTER?



WILLIAM MACURDY, DARTMOUTH *Nibbling Sibling*

WHAT IS A LACKADAISICAL MOB?



MARJORIE ECKHERT, CORNELL *Bored Horde*

WHAT'S AN AGILE SECRET AGENT?



RONALD RILEY, BOSTON COLLEGE *Spy Spy*



WHAT'S A FLOWER THAT DIDN'T BLOOM?



GERALD FEDDERSEN, RUTGERS *Dud Bud*

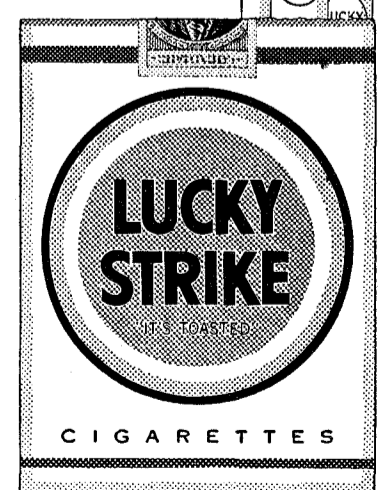
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