

If we have
no place else
to put it

California Tech

Associated Students of the California Institute of Technology

we stick
it in the ears

Volume LXVI.

Pasadena, California, Thursday, October 1, 1964

Number 2



—photo by Bob Geisenhainer

Talented frosh have jam session at frosh camp. This was just a part of the orientation program where frosh learned about Tech from upperclassmen and faculty.

17 Freshmen Get Honors

Honors at entrance have been awarded to 17 members of the new frosh class, according to L. Winchester Jones, Dean of Admissions. The determining factors in the award are achievement in entrance exams, grades in high school, and standing in high school class.

Six of the honored frosh are from Southern California: Steven B. Landy and Gregory A. Thompson, both of Los Angeles; Robert D. Campbell, Downey; David M. MacKenzie, La Crescenta; Charles A. Wolfe, North Hollywood; and David F. Macy, South Pasadena.

The following recipients are from out of state: David Chang, Concord, Mass.; Charles E. Dean, Spokane, Wash.; Leslie G. Fishbone, Elizabeth, N. J.; Haren L. Fisher, Huntsville, Ala.; Edward J. Groth III, Scottsdale, Ariz.; Nathan G. Isgur, South Houston, Tex.; Clayton W. Jacobsen, Littleton, Colo.; James A. Maiorana, Boonsboro, Md.; David J. Shirley, Mobile, Ala.; James W. Stacy, Oklahoma City, Okla.; and Harry B. Thacker, Jr., Tucson, Ariz.

Moonwatching Can Be Fun

BY JOHN ROUSE

The Caltech Space Patrol is organized for those who have a zest for space travel and exploration. As providing rides about the galaxy is rather expensive for the average Techman, we content ourselves for the time being with visually tracking artificial satellites.

In the two years that the Patrol has been active, we have found our work not only to be fun but useful as well. There have been many high points in our activity. One month we placed third in the world for number of observations made. On several oc-

Frosh Receive Advice At Camp Radford

BY BARTON GORDON

Last Thursday, six buses carrying eager frosh and transfer students to the fresh air of Camp Radford left campus. They were all given a program, a copy of the little *t*, and a copy of the *California Tech*.

After dinner that night, Dean Strong presided over an assembly welcoming the new students. Randy Cassada introduced the camp counselors and added his own welcome on behalf of AS-CIT. He was followed by Dr. DuBridge who showed slides and told about Caltech's development from Throop Institute in 1891.

Friday morning, Steve Garrison discussed "The Caltech Honor System." Afterwards small groups formed to discuss the speech.

That evening came the highlight of the camp — the Grand Amalgamated Concert, Talent Show, and other things which featured the conducting debut of Maestro Huttenback, formerly Master of Student Houses. Also receiving top billing were Professors J. Kent Clark, Ray D. Owen, and William Schaefer, whose singing included oldtime favorites such as "It's Not

Gneiss."

Next morning, Owen delivered a math lecture comparing the frosh's life to the cosine wave — it starts on a downward trend but eventually (you hope) assumes a positive slope.

Following lunch, Dean Strong delivered his "Envoi" to the freshmen troops before they returned to campus to begin the battle of the bulg—ing books.

Tech Profs Do European Work

Two Caltech engineering professors have recently been awarded post-doctoral fellowships by the National Science Foundation for work on engineering problems. Drs. Albert Ellis and Julius Miklowitz, associate professor and professor of applied mechanics respectively, are both in Europe for research pertaining to important defense work.

Ellis is working on the basic mechanism of drag reduction produced by certain molecular chains known as non-Newtonian additives. At Cambridge University in England, he and others are seeking the reason why ten parts per million of these in any liquid substantially reduces friction for any object moving through.

At Rome and in Israel Miklowitz is trying to solve completely a mathematical model for the propagation of waves arising from earthquakes and nuclear explosions in the earth. While collaborating with Professors Aldo Ghizetti and Chaim Perekis, he addressed the 11th International Congress of Theoretical and Applied Mechanics in Munich, Germany.

Six Leave to Begin New Indian Tech

Six Caltech men are in India this year helping to establish the new Indian Institute of Technology at Kanpur. They are Peter Fay, associate professor of history; Peter Mason, assistant professor of electrical engineering; Jon Mathews, associate professor of theoretical physics; David Welch, associate professor of engineering design; John B. Trenholme, graduate student in materials science; and Richard Carrouche, instrument specialist in electrical engineering.

Helped by AID

According to Dr. Donald E.

Fulbrights Available

BY TIM HENDRICKSON

Application for nine-hundred Fulbright-Hayes fellowships available during the 1965-66 academic year must be submitted to Professor Horace N. Gilbert by October 31. Gilbert, Caltech professor of business economics, is campus adviser for the U.S. Department of State's educational exchange program encompassing fifty-three countries.

Requirements for the three types of Fulbright grants are: U.S. citizenship, a bachelors' degree by the beginning date of the grant, language proficiency, and good health.

Three Types of Aid

Under the Fulbright-Hayes Act, U. S. Government Full Grants provide round-trip transportation, tuition, maintenance, and health insurance for one academic year. Joint U.S.-Other Government Grants are offered cooperatively by the United States, which finances travel expenses, and by a foreign government, which pays for tuition and maintenance.

Travel-Only Grants, participated in by ten countries, provide a travel stipend from the U.S. Government and a maintenance and tuition scholarship awarded by a foreign university or donor.

In addition, up to eighty grants for 1965-66 will be made available under a special program for Latin American study in countries where the number of U.S. students has traditionally been small.

Applications Reviewed

Applications are first processed by the Institute of International Education, and then reviewed by national screening committees. Final selection — based upon academic and professional record, study plan feasibility, and personal qualifications, with preference given to candidates under thirty-five who have not previously studied abroad—is made by the Board of Foreign Scholarships. The Board is comprised of twelve educational leaders appointed by the U.S. President.

The aim of the Fulbright-Hayes program is to increase mutual understanding between people of the United States and other countries "through the exchange of persons, knowledge, and skills." Since 1948, when the program was initiated, more than twelve thousand American graduate students have studied abroad on Fulbright grants.

Hudson, professor of mechanical engineering and member of the project's steering committee, the six are among twenty-five American educators working at Kanpur. Eight other U.S. universities are participating in the project, supported by the State Department's Agency for International Development.

The men have the job of developing an institution along American lines. They will carry on research, teach, and serve as curriculum and administrative advisors. In addition to the Kanpur project, three other institutes are being developed with Russian, West German, and British aid in the Indian government's push to develop higher education along Western lines. Hudson emphasized that although the U.S. is furnishing financial and advisory aid, the bulk of the expense and manpower is being handled by the Indians themselves.

Kanpur, Engineering City

Kanpur, a city of one million, located approximately halfway between New Delhi and Calcutta, is a textile and aircraft manufacturing center, so aeronautical and mechanical engineering will be emphasized. The curriculum will be otherwise much the same as Caltech's, including science and humanities. Hudson added, "This is a bit of an innovation. In India there hasn't been much close contact between pure and applied science."

Hudson also pointed out that the inclusion of history in the curriculum, Fay's task, is another innovation. The Indians, unlike the Chinese, have not developed much of a historical sense, despite the fact that they have been making history for years.

Notices

YOUNG REPUBLICANS!

A local representative of the YRCF will speak at the organizational meeting of Caltech Conservatives on Tuesday, October 6, at 4:30 p.m. in clubroom 2 of Winnett. All Conservatives are invited to attend.

SKIERS

Caltech Ski Club meets tonight at 8 in Clubroom 1. Frosh, upperclassmen, and grad students with any interest in skiing are invited to discuss ski trips, meets, and other plans for the year.

RECORDER SOCIETY MEETS

The Caltech Recorder Consortium will hold its first meeting this Sunday at 2 p.m., in Winnett Clubroom 2. Any players or other interested persons are invited to attend this or any of the planned weekly meetings.

FOLK DANCING AT POMONA

Anyone who would like to do some folk dancing should come to the Athenaeum parking lot Sunday night at 6:45 p.m. Prior experience is not necessary and beginners are urged to come. Cars are appreciated and drivers will be reimbursed for gas.

LEAD A SHELTERED LIFE

Become a leader. Fight fires. Attend a special meeting Tuesday, Oct. 6, at 7:30 in Club Room 1. No claustrophobics need apply.

Editorials

Socialized Medicine

A number of complaints have reached us concerning the Institute's new health plan, and the letter at right presents the major sources of unhappiness. The complaints center about two things: the compulsory nature of the plan and the consequent double coverage of some students who bought their health insurance from another source before learning of the school's plan; and the ambiguity of the letter from Dr. DuBridge which accompanied the announcement of the plan during the summer. There have been few complaints about the itself, and rightly so, since it is a very good insurance buy.

Now, a talk with Mr. R. B. Gilmore, Vice-President for Business Affairs, revealed that the new health fee added to Institute bills is not necessarily a premium for the insurance (as the president's letter unfortunately indicated), but rather a general increase in fees for the Health Center, which has for two years been plagued by debt because of increasing costs. The decision to increase the health fee was made long before the decision to initiate the insurance. So the insurance is, to some extent, free.

We believe that the Institute was negligent, in that notice of the new plan should have been given to students earlier (since it was probably possible), so that they could have better avoided enlisting outside insurance; also Dr. DuBridge's letter should have stated clearly that the plan is in fact compulsory. These mistakes cannot now be corrected, but next time, we trust, they will be.

plan itself, and rightly so, since it is a very good insurance buy.

The Institute appears to believe that the plan **must** be mandatory so that cheap rates could be acquired for those who need them, especially married grad students. If few students would actually benefit, many are unjustly carrying the burden of a few. We believe that the Institute has made the assumption that few people would sign up and is thus using the arguments of Social Security that it would be beneficial for most people. It seems only fair to take a poll of the students of this question. If this poll shows that only five percent want the plan, it should be scrapped. However, we believe that most students would participate. A plan similar to this has been needed for a long time, but we deplore the surreptitious way this plan was instituted and its involuntary aspects.

—Stuart Galley

—Wally Oliver

Marine Lab Remodeled

The Caltech Kerckhoff Marine Laboratory will be remodeled at a cost of \$209,000. The funds will come from the National Science Foundation and the Carl F. Braun Trust. The Marine Laboratory will be rebuilt so that seven to ten scientists can carry on researches there simultaneously.

At present the installation is used chiefly as a center for collecting marine specimens, for supervised research projects by graduate and undergraduate students of Caltech and other institutions, and for teaching a summer course in invertebrate zoology offered by Pomona College.

The laboratory consists of a two-story concrete structure containing sea water tanks, a pumping system, a dock, boats, and dredges. The structure will be repartitioned to provide seven working research laboratories, one large laboratory for instruction and seminars, and three office laboratories.

See your name

in print

JOIN THE

TECH STAFF

Letters

Insurance

Editors:

Monday morning we discovered that we were enrolled in a compulsory health plan for the employees of Caltech; in fact, we had been enrolled since September first. For this we must pay \$15 a year. We have objections to this scheme for a number of reasons:

Many Caltech students already have health plans as good as or better than the one offered, and the money paid out for this new plan is effectively thrown down the drain. While the CIT plan may be cheaper than the other plans students belong to, the other plans have already been paid for and the money put out can not be regained.

The Administration could have informed the students last spring that such a thing was in the offing, or at least mailed a somewhat less ambiguous blurb out a little earlier, before many students had already left for school.

We object in a more general sense also, if we are adult enough to have Institute bills for \$3000 made out in our own names, we are certainly adult enough to decide whether we want the health insurance being currently forced on us as a prerequisite to registration at Caltech.

Therefore we suggest that the plan be made optional for students so they can avoid a duplication of expenses and waste of money. Perhaps the next time Throop wants to introduce some other scheme, the students will be consulted rather than presented with a fait accompli.

Rodger F. Whitlock

Hank Suzukawa

J. C. Simpson

Gary Schnuelle

Jonathan Romney

and 19 others.

EDITORIAL POLICY

For the information of its readers, the **Tech** presents the following summary of its editorial policy:

The first signature following an editorial indicates the author of that editorial. The following signature, if any, indicates approval by the other editor. If both editors sign the editorial, that editorial then represents the opinion of the **California Tech**.

In general, column writers have complete freedom as to the content of their columns. No column will be eliminated from any issue of the paper solely because of the opinions represented in that

column. Column writers represent their own opinions only and not necessarily the opinions of the **California Tech**.

The **California Tech** welcomes all letters, whether or not they agree with editorial opinion. All letters must be signed, but the author's name may be withheld from publication on request. Letters are edited (or left out) solely on the bases of space, decency, and the desire to present letter opinions in proportion to the amount of mail received. As with columns, the opinions stated in letters are not necessarily those of the **California Tech**.

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From Other Campuses
By Jace

Freshmen at Colorado are supposed to wear their beanies until homecoming game unless they win the freshman-sophomore tug-of-war. But as the **Daily** puts it, "Freshmen almost invariably win the tug-of-war because very few sophomores show up." Sound familiar?

Colorado is a school of devoted "intellectuals" somewhat similar to Tech's. The extreme rigidity of their entrance standards was reaffirmed just a short time ago when a 12-year-old girl, who had never been in a school before last June, passed the University entrance examinations. According to University officials, she "has the capacity for getting A's and B's in competition with other freshmen" at Colorado. The girl didn't enroll, however. She decided to settle for being a freshman in a Catholic girls' school in Denver. But then perhaps she considers the two equivalent.

A La B.O.D.

Antioch College (Yellow Springs, Ohio) is off to a roaring start too. Their troubles seem to be mostly with resignations and firings. Recently so many student council members resigned in protest at a single meeting that the council was left with too few members to form a quorum and authorize an election to replace them. The council will survive, though. They struggled through a similar quorumless

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WHAT'S NEW IN THE OCTOBER ATLANTIC?

"Why Suppress Pay-TV? The Fight in California" by Sylvester L. "Pat" Weaver: The president of Subscription Television discusses the case for pay-TV, a hot subject coming before California voters in November.

"Nelson Algren at Fifty-Five" by H. E. F. Donohue: Good talk about writers and life based on interviews with prize novelist, Nelson Algren.

Poetry by: Peter Davison, Thomas Hornsby Ferril, W. S. Merwin, and Anna Akhmatova, as translated by Robert Lowell.

PLUS AN ATLANTIC EXTRA: "A Writer in Search of Himself" by Sean O'Faolain: Excerpts from the author's autobiography, *Vive Moi!*, tells of his three years at Harvard and his decision to return to Ireland.

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BY J. C. SIMPSON

Well the Ice House in its quest for bigger and better shows has come up with another success. The main reason, if not the only one, for this is once again the Greenwood County Singers, a New Christy Minstrel type group which still can't quite equal the Minstrels in overall singing ability, but who put on a show at least four times as enjoyable.

This group is five guys and two gals and they really enjoy themselves on stage. They specialize in fast rousing group members, like "Sunshine Special," in which they excel with a little popularized bluegrass thrown in. The banjo picker is really great on the bluegrassish tunes, and did a fabulous job on "Daybreak in Dixie" Tuesday night. Some of the other real good ones were "I'll Never Met Another Woman Like My Ann" and "Trambone Cholly."

They also did their "new list," "Cake Walkin' Baby" which is a ragtime tune similar in type to "The New Frankie and Johnnie Song" and almost as great. They wouldn't sing Frankie and Florine, however, as they claim they're tired of it now.

Four Encores

The last time I saw them at the Ice House it was on a weekend and they came back for four encores and then refused a fifth despite fifteen minutes of inspired clapping. They're even better this time, and still the most enjoyable folk act I've seen.

The two acts with them are the "Jollymen" and "Steve Brainard," both fair to good but nothing to stack up to the Singers. The Jollymen are 2 semiSmother's Brothers that concentrates entirely on satirical folk songs. The singing and playing is strictly average, but a lot of their material is new and faintly clever. Steve Brainard is an Oklahoma stand-up soloist who is great on both the guitar and benjo. He has a strange voice at first but it's fine once you get used to it, and all his material is fresh and good, even though he could use a little more enthusiasm. He got a real good reception ever from the sparse crowd at the 11 o'clock show.

Good Show

Together these make the record best Ice House show I've seen — the best being the last time the Greenwood County Singers were here. Remember, it's for two weeks only and don't miss it.

ASH GROVE

The Ash Grove seems to be on another of its ethnic kicks, and it's too succeeding in its own way. There now are the Possum Hunters, Jose Felician, and the Dry City Scat Bard. If you really

like ethnic music, it's an average show; if not you'll be bored stiff.

The Possum Hunters is another family group consisting of a dead pan female fiddler, a guitarist and an older brother who sings and plays great things like the kazoo. They may have won an award at last year's UCLA folk festival but they're singularly unenthused and equally uninspiring.

Jose Feliciano is the only good part of the evening. He's a blind guitarist who can really play a guitar and who has a good and varied repertoire. He did some excellent playing on bluegrass tunes, of which the best was Earl Scrugg's Breakdown, played and sang some classic songs such as Malagen's Sailors (excellent) and scattered throughout a good sense of humor and some very funny novelty and satirical songs. He got two encores from an otherwise uninspired crowd.

Bluegrass Group

The last act was the Dry City Scat Band, a pure bluegrass group that will never measure up to the Kentucky Colonels. I'd report on some songs, but I'd had a couple pitchers of beer by this time, and they weren't good enough to keep me awake long.

If you're 85% ethnic at best, expect a fair to good show. If not wait a couple of weeks and then go see Nite Weil and/or the Kentucky Colonels, both coming soon and both great.

Mississippi Day On October 7

Three events will mark Mississippi Day at Caltech when two of the 700 participants in this summer's Voter Registration Project in that state will speak on their experiences and observations.

Dave Owen, son of Dr. Ray Owen, chairman of Caltech's Biology Division, and Miss Betty Carstens, a UCLA student, will first appear under the sponsorship of the ASCIT-Alumni Assembly Committee at 11 a.m. in Dabney Lounge. Two Y-sponsored events will follow, when the two students will speak at the Athenaeum at noon and then will be available for extended questions and discussion at a coffee hour in Winnett Lounge at 4 p.m.

Dave Owen's name appeared in local newspapers several times during the summer as a result of his being attacked with an iron pipe and subsequently testifying at his assailants' trial. He worked primarily in voter registration. Miss Carstens worked mainly in Freedom School.

Letters

Columbian Student Asks For Physics Books

(Editors' note: The following letter was recently received by ASCIT and thought to be of some interest to everyone at Caltech.)

I am writing this letter to you as a teacher and an ex-Peace Corps Volunteer now working with the United States Information Service in Bogota, Colombia.

Not long ago, Gustavo Jaramillo, a student of mine, asked me if I had any books on physics I could loan him. When I asked him why he didn't visit the bookstore and buy one, he told me the price was beyond his means.

Price Fixing

That day I went to one of Bogota's bookstores and asked for their price list for books on academic subjects. For a book on physics, the list quoted a price of \$165.00 Colombian pesos or \$16.50 American dollars. I was both surprised and shocked at this figure. Why did a book which sold for \$5.00 in the United States sell for over three

times that amount in Colombia? Their explanation was both weak and false: The Colombian government places stiff tariffs on all books entering the country; therefore, the price is increased to insure a profit after taxes. The truth is that the government does not tax incoming educational material. Using practices which have long been abandoned in the United States, the Colombian bookstores in cooperation have elevated prices in a cornered market, since this country does not print its own educational material.

Get Books

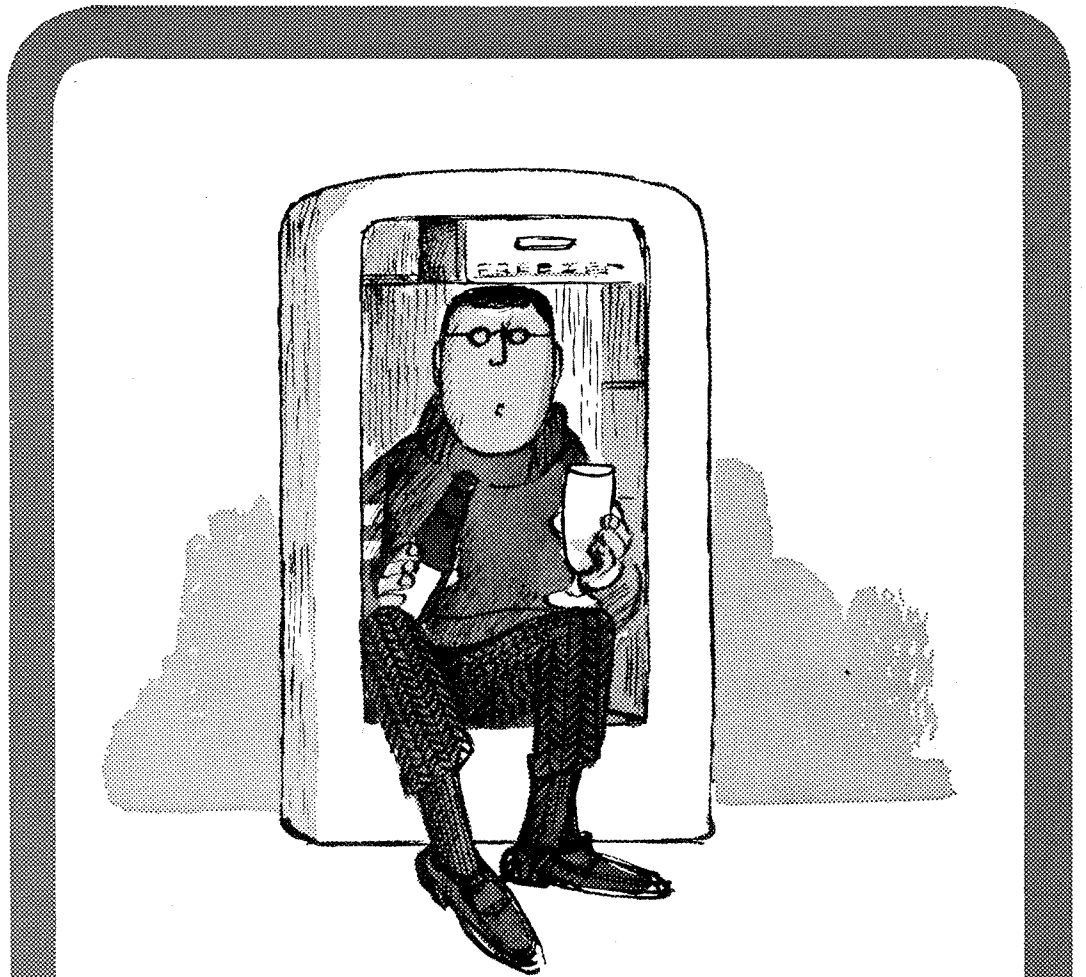
You and I know how the average book drive end up. The actual demand is overrated when put on paper, and the organization which gets the letter feels irritated when faced with the quantity. I fully realize your obligations to the students on your campus. This is why I am asking you for only five new books in any of the scientific or technical

fields. A major Oil Company here in Colombia has promised to establish a library on the Campus of the National University, to house these books; so please help; send them to Mr. Milton Leavitt, Director Bi-National Center, United States Embassy, Bogota, Colombia.

Believe me when I say there are thousands of Colombian students who are being cheated out of their greatest desire and need because they have no source materials at their disposal. If men like Gustavo Jaramillo are to take their place in a modern, enlightened world they must have books to do so. You can help him and many other like him by making this project a success. Thank you so much.

Jerry Gogol

If anyone cares to donate a book for this library, please send it to ASCIT or leave at the YMCA.



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Maybe we shouldn't care *how cold* people drink beer... just so they drink Budweiser. (After all, we're in business!)

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That's why, after we go to such fuss to brew all that taste *into* Budweiser, we want our customers to get it all out. And this is a fact: chilling beer to near-freezing temperatures hides both taste and aroma.

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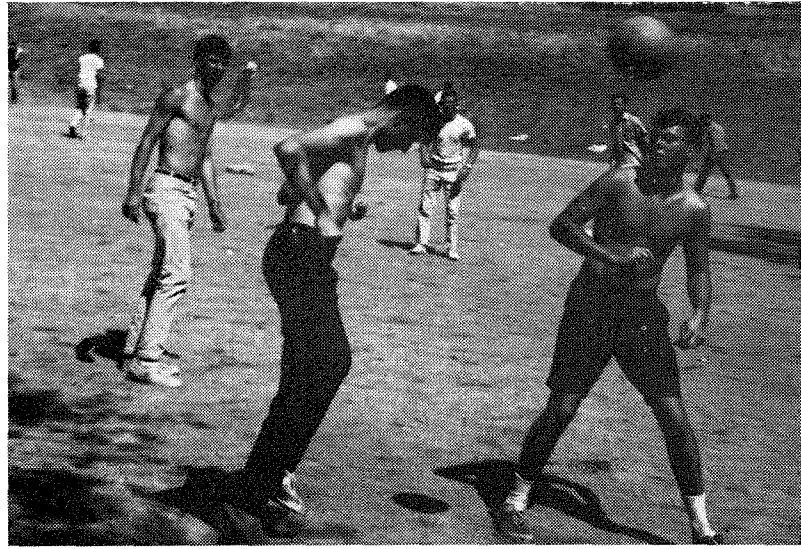
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—photo by Bob Geisenhainer

Enthusiastic frosh enjoy themselves at camp. Note frosh holding pants up after just heading ball in violent soccer game.

Moonwatch

(Continued from page 1)
 elite. It is interesting to note that a week after our sightings were made the Air Force surrendered and dropped classification of Soviet satellites. So there is always something brewing in the Space Patrol. It isn't quite as exciting as catching the intergalactic comet pirates, but we are forced to make do with what we've got.

The Patrol is affiliated with the Western Satellite Research Network, a group of observers centered at North American Aviation in Downey, and with the Smithsonian Astrophysical Observatory in Massachusetts. These two groups send out predictions on locations of satellites, suggestions for operation, and

notes of interest from member teams. Information gathered by the satellite tracking teams around the country is sent by these organizations to scientific users and to the North American Air Defense Command for Air Force use. In addition, the Smithsonian provides the equipment (telescopes, stop watches, etc.) needed to observe, so there is no need to buy anything.

See From Saga

The Patrol office is under the Page basement stairs, and the telescopes are set up on the roof of Saga, in a most stimulating atmosphere. The Patrol's team leader sees that the team members can get the predictions, but beyond that there is no organization. In two years there has never been a meeting of the Space Patrol, and there prob-

ably never will be, as we have always been more interested in doing things than BSing. There are no requirements for membership in the Patrol; anyone who wants to see a satellite once in a while is welcome.

The two major jobs the Patrol has are to record accurately the positions of satellites which are not tracked adequately by radar, and to report on satellites' appearance. The individual members work according to their preference and the amount of time they want to spend. Because there are no expenses, there are no dues at all. Anyone who would like to investigate this super-bitchin excuse to get out of snaking for a few minutes a night can come by and have a chat with me, in 121 Ruddock.



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SPORTS

Football Team Needs More Players

BY STEVE BLUMSACK

During the past several weeks, the members of Caltech's varsity football team, under the supervision of Coach Bert La-Brucherie, have been preparing themselves for the 1964 football season. With such players as All Conference First Team selection Barry Dinius returning, prospects could be worse.

As in the past, the team is plagued by lack of both size and numbers. Determination and aggressiveness will help offset the weight disadvantage. However, insufficient depth, especially noticeable during the final stages of most games, may be one of the chief reasons for most poor showings and close defeats if this season is similar to the past two. The Beavers were ahead or close to most opponents in games last year and two years ago, but they frequently played poorly in the second half. Insufficient practice time, causing sub-peak conditioning, and lack of manpower are the two outstanding reasons.

Lack Depth

The problem is especially severe this year with only 19 players out for the team at the present. Even barring injuries, 19 men cannot compete with the 40-man squads on Caltech's schedule. All able sophomores, juniors, and seniors are urged to join the team as soon as possible. Mike Rosbash, recovering from a serious knee operation made an attempt to play, but it is too soon to tell whether the after effects of his injury will allow him to play.

The present situation of the varsity football team is this — Caltech has one good football team. The passing game is much improved with Steve Hall and John Mowery serving as quarterbacks this year. Last season's fine backfield has returned, although in different positions. Jon Evans has been switched to slotback, replacing Barry Dinius who moved to fullback. Bob Scott remains at left halfback.

Three sophomore ends—Chuck McQuillan, Les Power, and Gary Ihas — are due to see much action. Interior linemen are tackles Bob Serafin and Andy Kampe, guards Lot Ensey and Arland Peters, and centers Lee Meyers and Doug Josephson. The es-

tablished running attack should combine with the new passing game to give Caltech spectators something to cheer about.

L. A. Pacific Invades

L. A. Pacific invades T. P. Friday afternoon, October 10, at 2 with plans to avenge last year's drubbing inflicted by a fired-up Beaver team. Riverside, another Caltech victim of 1963, beat them last week by one point. It should be an exciting game for the hundreds of spectators expected to turn out for the contest.

The frosh team is blessed with more players than the varsity this year, a source of embarrassment for the upper-classmen. The frosh are big and spirited with considerable experience in high school. Watch for some surprises from them in the ensuing weeks.

Returning Lettermen Strengthen Water Polo

The Caltech water polo team got off to a good start this week with seven varsity lettermen returning from last year. The probable starting lineup will be these seven lettermen with Mike Baskes at goalie; Hugh Maynard, Larry Anderson, and Ted Jenkins at guard; and John Walter, Rich Nielsen, and Dave Jarvis at the forward positions. In the initial workouts the team looks good and should do well in conference competition, owing to the loss of good men by Oxy and the other schools.

The frosh water polo team had an excellent start and even exceeded the varsity team in numbers. There seems to be some fine swimming ability and even a little experience among the frosh recruits.

Both teams play their opening games with Orange Coast Junior College today with the varsity game starting at 4 p.m. and the frosh game to follow. If the

past is any judge, Orange Coast should provide a difficult match in both games.

On Saturday the varsity team will meet the Caltech alumni in what is usually an easy win. From the looks of the alumni team, the varsity should have more than enough to keep their hands full. Of the first two games, the alumni game should be the more interesting. If you have some spare time, get out to the Alumni Pool Thursday afternoon at 4 or Saturday afternoon at 2:30 and see the initial tests of the Caltech water polo teams.

Soccer Team Starts Early

BY MIKE HUNSAKER

With the usual amount of nonsense in scheduling, the Caltech soccer team finds itself with a game to be played at Redlands this coming Saturday, Oct. 4. Consequently, practice began a week before registration. Caltech will probably begin the season as it has many others; the team out of condition and with little teamwork obtained through practice. Also, in keeping with traditions, they will win the game handily with brief flashes of promise.

The team in practice had many new faces, most of which were grads. A handful of freshmen who turned out appeared to be solid prospects. Coach Andrews encourages all undergrads who are interested in soccer to turn out, and at least try their hand at j.v.

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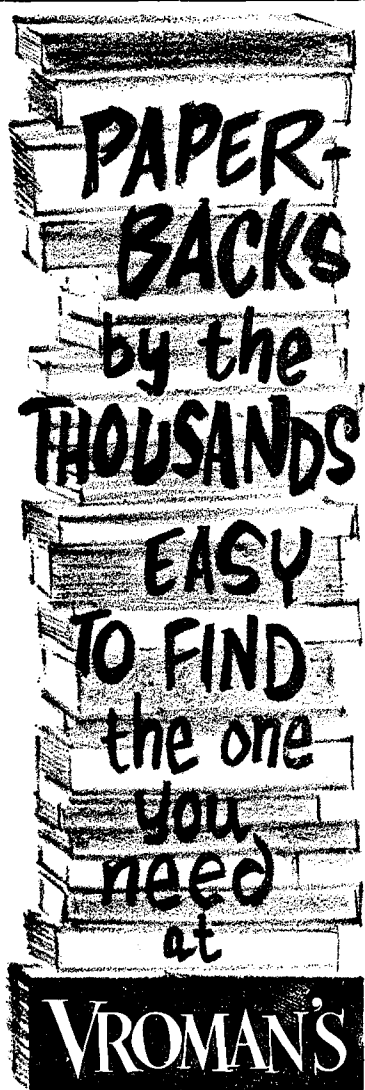
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Brewins



Radish House's 2nd run vegetable Batdung created consternation and cured constipation among said cloister's hired peons during Froshlesstide. Beak learns that while on solo nocturnal excursion to Plotchdelrape waterland interface and stumbling on field tests of alephnull and non-aleph (aleph-null had 15% fewer), Dingdong was seized by nocturnal passion and saw fit to drown same in suitable anesthetic.

Thus wandereth he to cubicle of Beri-beri, fellow re-run, to aright himself, and well fortified he his person. Inasmuch as Dingbat and co. had made le grand tour of tj the preceding sunrest, and had regaled in dickering local feline renters to a dime a piece, and had released much grass for fluids to prevent hardening of the arteries, etc., our hero had retained zero capacity. Therefore then, he was in a state of Havanagela when he crawled into the Pond of the Amphibian, to hibernate the night and absorb.

To Batdong's eternal detremment, his almighty liver arose in wrath, and rather quickly

brought the matter to a head—and Dingleberry to the head. Following a prodigious inverse swallow, our hero attempted a cold and sobering deluge. The effect did not sober him, as he was unable to pick his bod up high enough to turn off the shower, and so he macaronied in his tropical rain forest, sneezing and crying in a loud voice "Friggie," "help," "Grouse," and other such.

To Sleep

Friggie & Grouse being held fast in deep slumber, aid was not forthcoming, until superpermafrosh Raingage, lightsleeper extraordinaire, grumbled in from nextroom to cut the water and dry Dinglebat. His charity being concerned only with getting more sleep, Bug Rage allowed Dingledongle to reside further in the now drying shower, where he slumbered peacefully till morn.

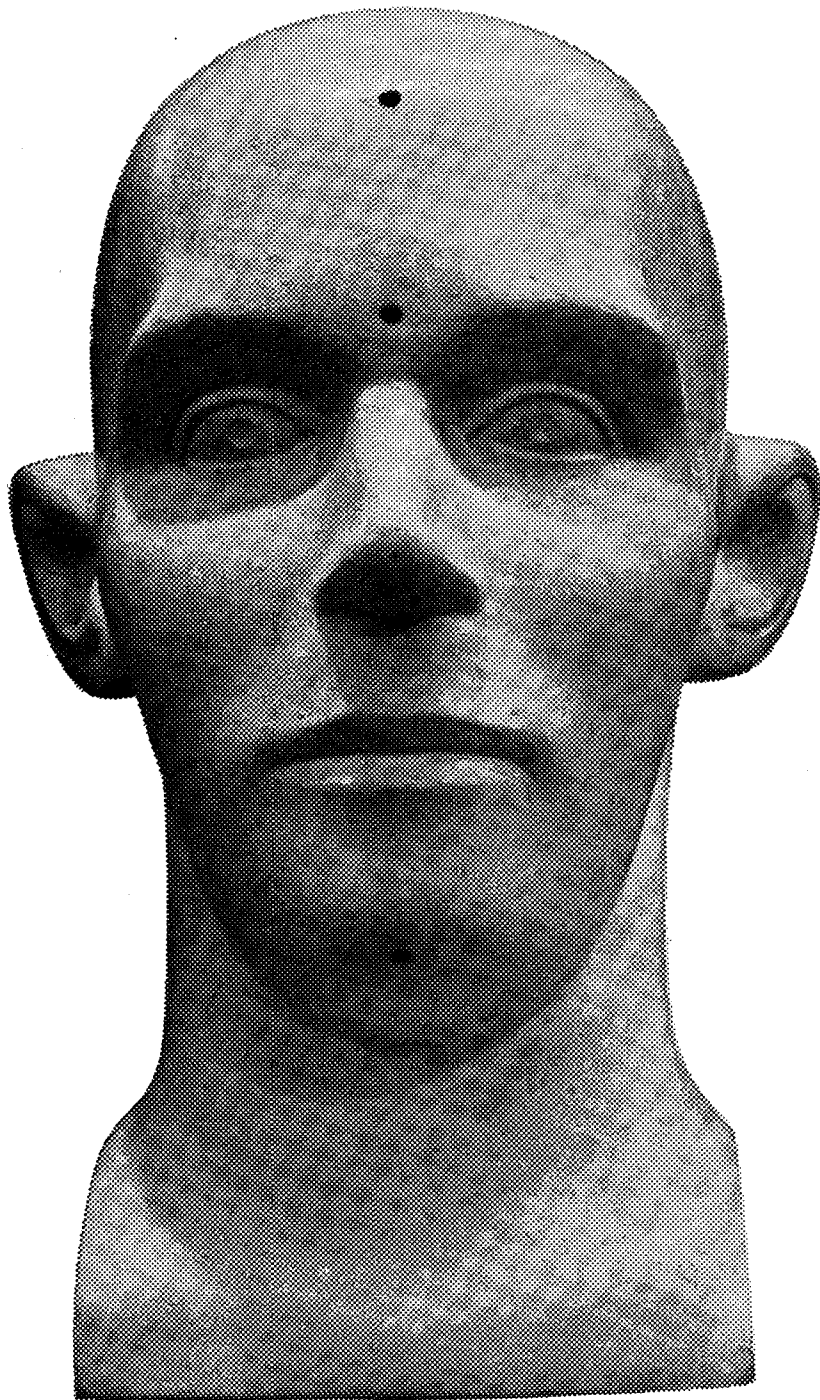
Come the dawn, keeper of cleanliness Sapphire comes along on her daily rounds. The customary taptap eliciting no response, she enters head and begins work, only to stumble upon Dungbit's bod. "Lawsawmighty!

Dere's a body in de head!" quoth she while dashing to hq of obercleanungfuhress. This commotion awakes Friggie from estivation, and he hops into head as peons cover the assumed corpse, and discovers naught but coinhabitor in his normal state.

Pluck Your Magic Twanger

When the Frog pronounces a diagnosis of galloping hangover, Frau obercleanungfuhress knowingly announces that in that case Dinglebatdong is ok, and all prepare to depart and leave the slumberer to continue. But then enters secretary of the omnipotent E.E., to inquire about health of the deceased and to inform that Safety Ossifer doth hasten

Enter Ossifer of Safe, who espies sheet-covered body, and takes pulse of victim. Battledangle awakens to this and responds in typical mirth, and in joyous spirits is carted back to a more proper pad. An offer by S.O. of a nice cold beer brings answer suggesting what he can jolly well do with it. But I digress. One thing more — would someone please tell Rhinestone that it is safe to clean the head now?



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