

DR. HARRISON SCHMITT relaxes before his speech in Ramo Auditorium last Thursday evening. Photo by Sally Weeks

Jack Schmitt at Ramo

“Man Was There...”

by David Callaway

After a fearless introduction by Jim Ogg, Dr. Harrison (Jack) Schmitt (...the man who graduated here, B.S.) traveled with his audience from Ramo Auditorium to the moon, by way of a slide show, which took place last Thursday night.

The purpose of space travel is to “enlarge upon knowledge of the earth with the corrected vision of space... there are forces we cannot gel, histories we have not read, storms we have not felt in space,” said Schmitt.

On Earth are “all the tracks of man’s existence... his greatness and folly are expressed in his footprints on the earth... we have seen man’s progress... But the moon is a geologist’s paradise, if ever I saw one... a pitted dusty window into our own past...”

He concluded, “You may feel that there is a deeper, symbolic significance to space—that it proves there is a God, that there is no God, or that it really doesn’t matter... but the main thing to remember is that man was there to see for himself.”

Dr. Schmitt made history on December 11, 1972 by being the first and only scientist to walk on the surface of the moon in the history of space exploration. A Caltech graduate (1957), he then studied for a year in

Norway as a Fulbright scholar. He earned his PhD in geology from Harvard in 1964. In 1965 he was selected as the first scientist-astronaut, as well as the geology trainer for astronauts.

PEGs Deepen Awareness

by Peter Beckman

For the past few years the Caltech Y has sponsored a series of Personal Exploration Groups (PEG) for students interested in deepening their awareness and expanding their ability to communicate with others on a meaningful level.

A number of new groups are now being formed for a ten week PEG program.

In order to learn more about PEG The Tech arranged an interview with some of the members of one of the groups. Here is what they had to say:

Tech: What is a personal exploration group?

Chris: I think it is a group of people who want to learn more about each other coming together and interacting. In the groups they can perceive how others see them and they can explore new ways of relating to people.

Jim: I think the key is “explore.” You explore how others see you, explore ways of

interacting, and explore how you feel about your interactions with them.

Steve W.: In the groups you find new ways of talking about feelings rather than just theorizing. You’re using words like hate and love and high and depressed rather than trying to put it on an intellectual plane. The whole group is predicated on the idea of being honest with each other.

Steve F.: I think one of the things that’s important about expressing your feelings is that you learn to try to express them as they really are rather than as you want them to be. You express them spontaneously, and you learn to accept them as something that’s good, rather than as something to be ashamed of.

Laurie: I think, too, it’s a stripping of the roles we get into and continue to perpetuate. You expose yourself to a group of people without the safeguards they provide. You accept that

SF Writers Coming to Tech

by Peter Beckman and Gavin Claypool

Six of today’s leading science fiction writers will be on campus March 9 to explore the relationship between science and science fiction.

Poul Anderson, Harry Harrison, Robert A. Heinlein, Larry Niven, Jerry Pournelle, and Robert Silverberg will give their opinions on this topic in a seminar that highlights this term’s sf festival. Following each writer’s presentation will be discussion among the panel mem-

bers with audience participation.

Earlier that afternoon will be an informal, on-campus program involving the writers, students, and faculty. Details of this event will be announced later.

As $\sqrt{1-v^2/c^2} \rightarrow 0$

Poul Anderson is of Scandinavian descent and holds a degree in physics from the University of Minnesota. *Tau Zero*, one of his most popular novels, involves a colony ship crew doomed to extinction unless they can apply relativity to their predicament. His novelette

“Goat Song” received a Hugo last September.

Harry Harrison is perhaps best known for his Deathworld novels and *Make Room, Make Room*—from which the movie *Soylent Green* was produced. He had edited many fine anthologies in recent years, including the memorial tribute to John W. Campbell, Jr.

Anyone who is unacquainted with Robert Heinlein’s stories is illiterate—at least by Tech standards. His works take up half the

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The CALIFORNIA Tech

Volume LXXV

Pasadena, California, Friday, February 1, 1974

Number 15

Throop Beat

Pre-Meds, Heal Thyselves At Night

by Dick O’Malley

Monday’s rumors that Health Center administrators were attempting to eliminate an imminent \$20K deficit by closing down the Health Center at night were quite probably accurate. However, the word from the Institute grapevine is that student outrage at the possibility has resulted in no further steps in

that area being taken. Implicit in this is the assumption that someone in authority has made a firm commitment not to do so (if he does, he’ll get screwed to the wall).

In case anyone wants to know what happened at the Monday afternoon meeting in the Health Center between the administrators and the staff, I’ve man-

aged to construct the gist of it by talking to several people who were there. There were two possibilities presented (and discussion followed, taking about an hour). One, the Health Center might have to be closed down at night if nothing else could be done (this plan has since been scrapped, supposedly). Two, the Health Center would remain open for business as usual from 8 a.m. to 4 p.m., a practical nurse would come on duty from four to midnight, and a student trained in first-aid and such would screen from midnight to eight. In addition, it may be necessary to close the Center on weekends.

B&G Horror Tales

“Hello Physical Plant? We’d like to put in a 440-volt cable.”

“Well, we’ll have to do a cost estimate first.”

“What? Why don’t you just do the job and bill us?”

“No, we can’t do anything without a cost estimate first.”

“Okay, fine. How much will it cost?”

“Less than fifty dollars.”

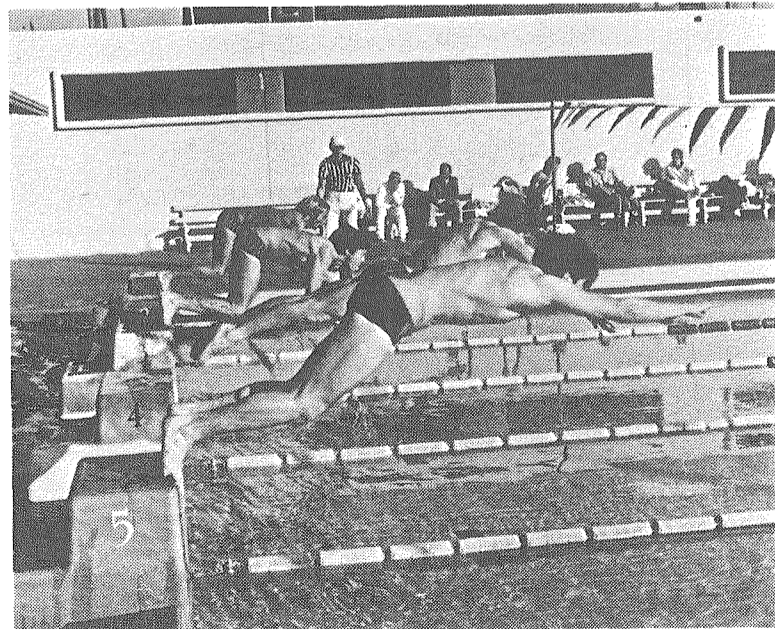
A voucher was filled out, an entry for fifty dollars was made in the “Not to exceed” slot.

Two days later: “Hello?”

“This is Physical Plant. It

Continued on Page Three

Dive, Swim, Sink



WHAT HAPPENED this week in the world of sports? Find out by turning to Page Eight. Photo by C. N. Pow

News Briefs

CEAC Needs People to Shove Papers

CEAC needs bodies Saturday behind Steele to load paper. Pay is \$2/hour with lunch. Work starts at 10 a.m.

Air Force Inspection

On Thursday, February 7, the AFROTC detachment is organizing a trip to George AFB to inspect their flying operations. Included will be an inspection of F-4 Phantom II aircraft and simulators. Please note the change in date. Transportation is

provided, leaving at about 7:30 a.m. and returning before 5 p.m. Lunch is supplied at a nominal fee at the base Officer’s Club. There is no obligation. For reservations or information call x2391.

Math Club Meeting

There will be another world famous (infamous) math club meeting on Tuesday, February 5th, at 7:00pm in Sloan. All are invited. Dr. Donald Knuth will

talk on *Pacifism is Optimal*.

Don’t Trump My Ace!

Duplicate bridge tournament in Winnett Lounge, Saturday. No experience necessary. Play begins at 7:30 p.m.

Flick It With Films

This Saturday evening, Cinematech presents three of the four films made (in the period

Continued on Page Four

Editorial

B&G Strikes Again

Physical Plant (also known as B&G) has been connected with some wild stories. The latest horror involves the Clean Air Car Project, a student-run research group. The Project needed to put in an electrical cable from Guggenheim to their lab. B&G refused to do the job without a cost estimate, which they claimed would be less than fifty dollars, or (a few days later) "six or seven dollars more."

Something strange happened. Normally, bills of any sort are okayed for payment by Robert Cowan, the Project Administrator, and sent to EQL (which does this type of paperwork for CACP) for processing. Instead, the cost of the estimate was transferred directly out of CACP's Institute account into B&G's by Business Services. Cowan didn't find out the actual cost of doing the estimate until a month later. *It was one hundred eighty-four dollars!*

This action is highly unethical, very likely illegal, and totally out of the question. B&G has a written authorization not to exceed fifty dollars and a verbal authorization not to exceed seventy-five. The fact that no CACP officials were notified about the 145% overrun on the estimate before the billing was completed is unquestionably wrong. The method of billing strikes us as being rather fishy.

Cowan, as Project Administrator, spends most of his time writing letters and proposals to obtain funds for the Project. When money is ripped off in this fashion, it's no wonder he and the other Project members are annoyed. Unfortunately, they have gotten nowhere with their complaints.

Every member of the Caltech community can take pride in the accomplishments of the Clean Air Car Project, achieved in spite of a shoestring budget. We urge that the Institute take immediate action to correct this violation of unfair business practices.

—Gavin D. Claypool
Eric H. Eichorn
Dennis L. Mallonee

Election Chairman Sought

Nominations Now Open

by Philip Massey

Nominations for all ASCIT elective offices were opened at a BOD meeting held last Saturday. All nominations will close Friday, February 8, at 5:00 p.m. The election is scheduled for Monday, February 18.

ASCIT elected officers fall into two general categories: BOD members and non-BOD members. Those persons on the BOD include the President, Vice-President (who is chairman of the Board of Control), Secretary,

Treasurer, IHC Chairman (who is, oddly enough...), Director of Academic Affairs, Director of Student Life, and two Directors-at-Large, one of whom must be a freshman. The non-BOD officers are BOC Secretary, Activities Chairman (the guy who runs the ASCIT movies), Social Chairman (who chairs the Executive Social Committee), Athletic Manager, and, of course, *The California Tech* Editor. The only restrictions on office holders is that

Continued on Page Seven

THE ASCIT FRIDAY NIGHT MOVIE

Marooned

at 7:30 and 9:30 p.m.
in Baxter Lecture Hall

Admission: 50¢—ASCIT members and their guests; \$1.00—anyone else

THE CALTECH FORUM

Rudds Original

It is regrettable that *Tech* staffer Tim Groat did not do sufficient research to render a truly factual article about the recent interhouse war. I wish to correct one of several mistakes in his journalistic effort.

The article in question (*Tech*, Jan. 25) mentions a Ruddock "copy" of the Lloydie's bombardment system. Allegedly Lloyd constructed a large slingshot early in the term, which members of Ruddock saw and quickly imitated. This could hardly be farther from the truth. What actually happened was as follows:

In late 1973 the R.H.I.M.F. operations research division began a preliminary study on the feasibility of a high-velocity propulsive system employing rubber tubing as an energy-storage medium. In the first week of the present term the design of an intermediate-sized experimental model was finalized and materials were obtained. Construction proceeded on schedule, and the unit became operational on Sunday, January 20, 1974.

passing over their heads, and attempted to harass the Ruddock weapon crew. It was decided to teach them a lesson, so the axis of the Rudds' machine was rotated toward the horizontal (i.e. aimed at Lloyd) and several balloons were discharged.

The R.H.I.M.F. engineers who designed and built the model are ready to acknowledge the existence of a similar device at Lloyd, although they have never seen it and hadn't even heard of it until after their system was built. However, it is quite possible that the Lloyd quasi-intelligence team obtained some discarded preliminary plans for the Ruddock machine. By omitting the finer design considerations, the latter might even have completed their imitation before the original.

Although anxious to see that credit is given to those to whom it is due, Ruddock technicians are still working on the full-sized weapon. A nine-billion TeV heavy particle accelerator is expected to be quite spectacular; Lloyd is advised to work on something practical, like reinforced umbrellas. That applies to everyone else on campus, too.

—Rich Feldman

would like to say how much you were appreciated by the men of Lloyd, who would otherwise have grown bored waiting for all those chivalrous bastards to get on with the goddamn rescuing. Believe me Ann, yours is a record that will stand forever.

—Jeff Kelber
(unchivalrous Lloydie s.o.b.)

Man Or Child?

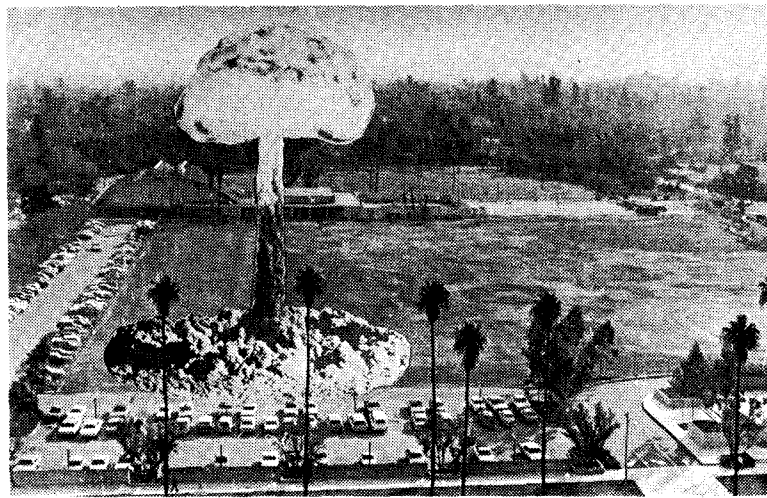
Are you a man? Isn't it time for you to cut those apron strings? Or are you going to go on for the rest of your life letting your mother know you love her!

MEN, there's one thing I must warn you about. Be very careful to do all your laundry before going home on a visit.

Your mothers are women, and like all women, they think funny (if at all). If you take only a sachel full of immaculate arraiments (sic) she will think "Oh, goodness me. Little Johnny-Poo can change his own dydies already. He doesn't need me anymore. Nobody loves me anymore." Zing! You've severed your umbilical cord once and for all.

But let her see so much as a ring around the collar and she'll think "Oh, my baby is still so helpless. He'll never be able to make it without help." She'll be taking care of you until you get hitched. That does not spell the

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THE POWER of R.H.I.M.F., as evidenced by recent testing. Photo by Feldman

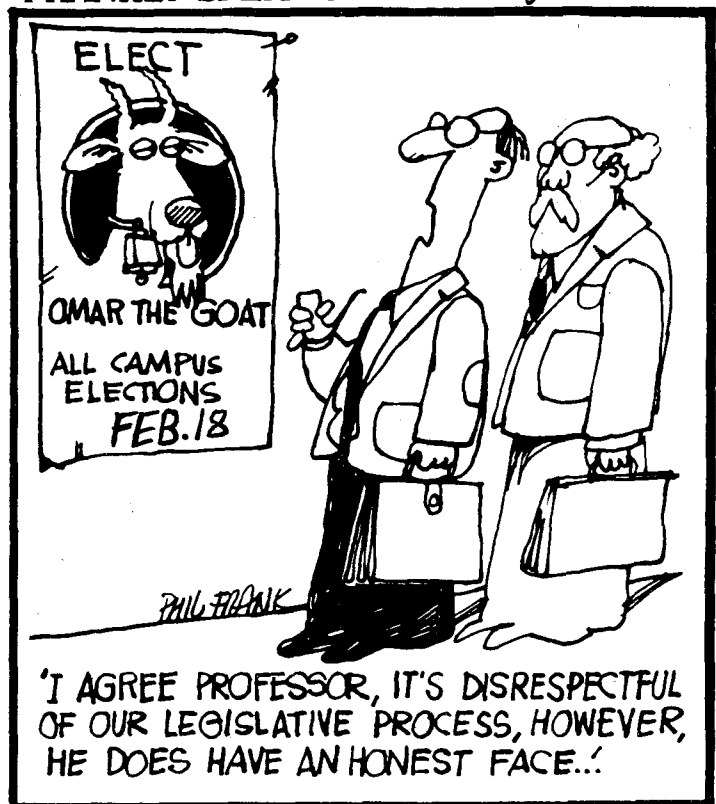
Some low-energy tests were commenced early Sunday afternoon, with water balloons moved to the vicinity of the Olive Walk from the doors of the Ruddock lounge. Apparently some Lloydies became agitated at the sight of a little water temporarily

Thanks Ann!

Dear Ann Orel,

I'm sure your letter in the *Tech* (1/24/74) was appreciated by the men of the other six student houses. In return, I

"FRANKLY SPEAKING" by Phil Frank



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Turn Millikan Off

by SMC Sweeney

Despite one's views on the origin of the current energy "crisis," conserving power is an enjoyable and helpful pastime. One area on campus that would particularly appreciate cooperation from Techers in conserv-

ation is (good) old Millikan Library.

Basically, students are being asked to turn off the lights on a floor of the library when they leave that floor. Of course, it makes good sense not to turn off the lights if someone else is still on the floor. So check first for other people when leaving, before turning off the lights.

If a student happens to be left in the dark by some inconsiderate toad, there is still salvation! Sufficient night lights will be available for the disoriented student to grope his way to the light switch by the elevator.

By the way, this procedure applies between 5 p.m. and 2 a.m.

Throop Beat

Continued from Page One

looks like the cost estimate for your cable's going to cost more than fifty dollars."

"Will seventy-five be enough?"

"Oh, yes. More than enough."

"All right, then. It's okay up to seventy-five dollars."

B&G attached the term bill for one hundred and eight-seven dollars! That's two and one-half man-days of cost estimating. That's also unethical, and just conceivably immoral.

Has anyone else noticed that Central Plant is using more power this year than it did last year? While everyone else on campus was cutting back, Central Plant increased its consumption by 13.4%, from 25,371 KWH in Nov-Dec 1972 to 28,759 KWH in 1973. There should be some explaining to do.

Sci-Fi

Continued from Page One

space in the bookstore's sf section, and they include such giants as *Starship Troopers*, *Stranger in a Strange Land*, *The Moon is a Harsh Mistress*, and *I Will Fear No Evil*. His newest book, *Time Enough for Love*, is already in its fifth hardcover

Get Some Tickets

Philharmonic Offers Discount

Because of the special interest to students of the debut of Luciano Berio as guest conductor of the Los Angeles Philharmonic at the concerts tonight at 8:30 p.m. and Sunday at 3:00 p.m., \$2 tickets may be purchased in advance at the Philharmonic Box Office by students with identification. Student groups may make arrangements to purchase \$2 tickets by calling the Philharmonic's group sales department, 626-7211, ex 622.

Mr. Berio's appearance is one of the most significant events of the musical season, for the composer-conductor ranks as one of the leading international musicians of our day.

printing.

Three Days to a Light-Year?

A former Techer, Larry Niven has become known in a very short time as one of sf's finest hardcore writers. His "known space" series includes the award-winning "Neutron Star" and *Ringworld*, the latter carrying off both the Nebula and Hugo for best novel of 1970. Niven has also written non-fiction articles on teleportation and time travel that consider these perennial sf devices in view of accepted physical laws.

Jerry Pournelle was given the John W. Campbell Award for the best new writer in the sf field, at last year's World Science Fiction Convention in Toronto. He is currently President of the Science Fiction Writers of America and will represent that organization at the conference.

Robert Silverberg's prolificity

Two other Philharmonic debuts make these concerts even more noteworthy: famed mezzo soprano Cathy Berberian is the soloist in the first American

performance of the new full-orchestra version of Berio's "Folk Songs," and brilliant French pianist Michel Beroff plays Partok's Second Concerto.

ONCRC Holds Meeting

by O. N. Crick

Last Tuesday marked the first meeting this year of the Official Nonviolent Campus Riot Committee. First item on the Agenda was discussion of general tactics for the upcoming riot. It was decided to hold the first pig-calling workout on the athletic field next Tuesday afternoon at three.

in writing even has Isaac Asimov worried. His novel *A Time of Changes* and his short story "Good News from the Vatican" both picked up Nebulas at the 1972 SFWA banquet, and two of his novels (*Dying Inside* and *The Book of Skulls*) were nominated for the 1973 awards. Silverberg has also written non-fiction books on a variety of topics.

Lunch With the Stars

The writers will dine with faculty members that evening. After dinner, the film *Lunch with John W. Campbell* will be shown in Dabney Lounge. Campbell was editor of *Astounding* (later changed by him to *Analog*) for over thirty years, and (quoting Isaac Asimov) "built the structure of modern science fiction." The film shows Campbell talking with writers and working out a story idea. More discussion will follow the screening.

Sir Fred Hoyle, a science fiction author in his own right, as well as a cosmologist and astrophysicist, and composer Leo Smit will combine their talents for an evening of "Movements, Variations, and Fantasies" in Ramo on March 8. Smit will perform one of his own compositions, *Fantasy: The Farewell (1953)*, and piano pieces by Beethoven, Schubert, and Chopin that appear in Hoyle's novel *October The First is Too Late*.

Filmcon 2.5

Setting the stage for the festivities of that weekend will

Measurements for armbands will be made at this time. This will be followed by a practice march from Tournament Park to the north side of Millikan Library. After a short pause, the practice will continue with a stroll to the Athenaeum lawn. The group will then adjourn to the Athenaeum

Continued on Page Five

be a four-week series of classic science fiction films, to be shown on consecutive Tuesday nights starting February 12. *The Time Machine* (1960) starring Rod Taylor, an adaptation of the H. G. Wells classic, will be screened that night.

Forbidden Planet (1956), one of the few respectable sf movies to come out of the 50's, will be shown February 19. It stars Walter Pidgeon, Anne Francis, and Robbie the Robot. Louis and Bebe Barron, who created the electronic score for the movie, will comment on their work before the film starts.

Charlton Heston will show that no one can make a monkey out of him in *Planet of the Apes* (1968), the first in that exponentially decaying series, on February 26.

For reasons inherent in obtaining the March 5 film, the Office of Public Events has been forbidden to release its title. Check Throop Beat in the coming weeks for the latest rumors.

Tickets are available for the film series and the Hoyle-Smit concert.

Children?

Continued from Page Two

end to your troubles. Worry — then you have a team working against you—your mother, your wife, AND your mother-in-law. Heed my words and make a break for it now—you're warned!

—Smik Roody

NOW THRU SUNDAY

Fairport Convention featuring Sandy Denny

Eric Kay

Coming Next: **Return to Forever** featuring Chick Corea

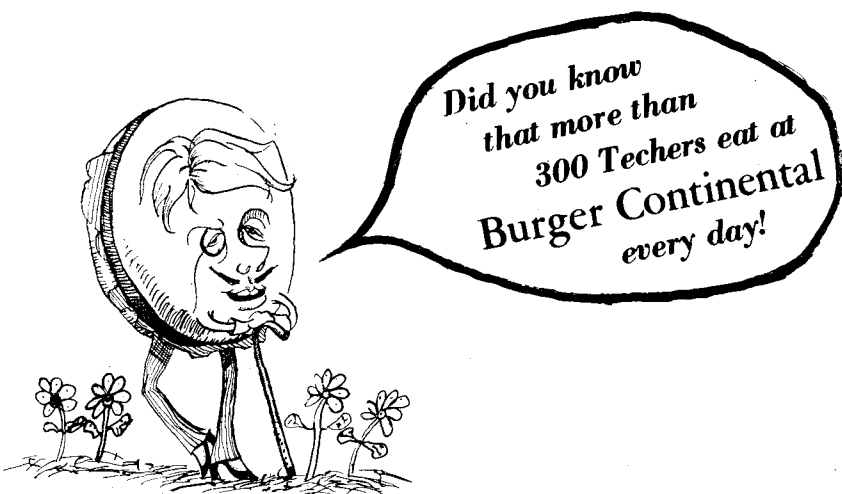
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Techies

by P. Pathe



Merchant

Continued from Page Four
Antonio can't repay the debt on time, but by the time the deadline comes around Shylock is a broken and bitter man. His only daughter has run off with a Christian, converted, and taken a sizable amount of his money. He has been taunted for weeks by the townspeople of Venice and he bitterly seeks revenge. He sees the forfeiture of his chance of exacting revenge on Antonio, who seems to him the most prominent and accessible of his

tormentors.
In this light Shylock's intransigent refusal to be dissuaded from his revenge hardly seems to be a deeply or viciously evil thing. Certainly the hypocritical little lectures delivered on the quality of mercy in an effort to stem his anger are no counter in light of the subsequent glee of his enemies when the tables are turned and Shylock is at their mercy.
As a whole this performance presented this conflict vividly and believably; unfortunately, Antonio's performance could

have been more convincing. Lancelot Gobbo, played by Lorenzo Glover was particularly good and displayed quite extraordinary, though not well polished talent.
Also deserving of particular praise is the Portia of Connie West. She came across as a real, earthy type of woman. Her bawdiness was well and strongly played.
This performance was quite worthwhile and this reviewer, for one, hopes that we'll be seeing more of the New Shakespeare Company.

Kiss Me Kate

Huggs Take Lead Roles

by Flora Constanten
Last week, after three days of very successful auditions, the ASCIT Musical, *Kiss Me Kate* was cast. The part of Fred Graham/Petruchio will be played by Jim Hugg, a graduate student in Physics, and the part of Lilli Vanessi/Katherine, Graham's ex-wife in *Kate*, will be played by Olivia Hugg, who is an

employee in the Development Office.
K. Jeffrey Eriksen, a junior from Ruddock, will be Bill Calhoun/Lucentio, while Lois Lane/Bianca will be played by Christine Kuranishi, an employee in chemistry. The two gangsters will be Charles Seagrave, an Occidental student, and Nick Webb, a research fellow in chemistry. Greg Griffin, a Ruddock senior, will be Harry Trevor/Baptista; Gremio will be played by Chris Harcourt, a junior from Ricketts; and Rich Gruner, a junior Page Dude, will be Senator Harrison Howell.
Other cast members are Ken Underwood, a graduate student in mathematics, who will be Hortensio; Flora Constanten, an employee in Winnett Center, as Hattie; Bob Brown, an Occidental student, who is Paul; and Karl Kuhlmann, a sophomore from Dabney as the Cabdriver. In addition, the musical features Greg Simay as the servants! The chorus is made up of the above people, plus Ann Orel, a freshman from Ruddock; and Marie Beall, a junior Rudd. We could still use four more chorus members, so please call x2157.

ONCRC

Continued from Page Three
bar. Refreshments to be served.
Tentative demands for funds from ASCIT have been drawn up. The budget will be more fully worked out at the next meeting. The remainder of the meeting was devoted to discussion of intended purpose of the riot. The following protest suggestions are being considered: AFROTC, censorship by Graphic Arts, world poverty, boring classes, the proposed demolition of Throop Hall, and the Military-Industrial Complex.
The next meeting will be held next Thursday evening at 7:30 p.m. sharp. Budget and slogans will be discussed.

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PEGs

Continued from Page One

help. I can come to the group and say "this was a bad weekend," and the group will give support and comfort that you need so often but don't get from friends.

Steve E.: I find it very rewarding to relate to a bunch of people on a personal level. Previously, I had tried to relate at an intense personal level to one person at a time, but I found relating to a group of people another realm of experience entirely.

Chris: One thing that hasn't been mentioned is that this is a real "here and now" experience. We aren't here to talk about what has gone on before. We're really trying to get into what we feel about each other and try, as much as possible, to keep things within the group.

Tech: How does an actual session operate?

Chris: There are usually about a dozen people in the group, including two facilitators. They've trained for about ten weeks by having group experiences and doing outside reading.

Steve: On the first day everyone starts to get in touch

with what they're doing.

Chris: And there is an initial defensiveness. Eleven people are watching and reacting to what you are doing, and you're pretty self conscious. The opposite is also true. You'll be reacting to others. People will put out cautious little feelers; then, when the feelers are responded to, they'll often open up.

Tech: Any closing comments?

Chris: I would just like to say that I felt normal and happy before I joined the group. Now, I find my life so much better that by comparison my existence before seemed somewhat empty.

Laurie: I think a warning should be issued that groups can be very addictive. Once you're in, you don't want to be out.

Ian: I've been involved in group programs for four years here at Caltech. Each year we've tried to get some assessment via questionnaire. I'm really sold on the whole concept and I encourage any Techer to get involved.

P.E.G. Facilitators

Hold Drop-in

Drop in to the Y Lounge (upstairs in Winnett) to meet the facilitators of the Personal Exploration Group and ask questions, rap, or whatever, 7:30 to 10:00 p.m. Tuesday, February 5.

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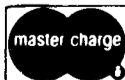
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UNIVERSITY STEREO

Elections

Continued from Page Two
they be corporation members (and if you aren't, and you haven't paid for this issue, consult your local BOC Rep), and that the candidates for

President, Vice-President, and BOC Secretary be juniors or seniors next year. Furthermore, the candidates for Treasurer will be asked to take a Wattest. One of the slight difficulties about the election is that there is no Elections Chairman. He runs

around finding poll sitters and ballot counters; it's a true time-sink, and totally without redeeming qualities. If you feel martyrish, please leave your name with Flora in Winnett, or a Tech person, or a member of the BOD.

Flems Take IH Track

by Gavin Claypool

Fleming narrowed the gap in Interhouse competition to less than a point this week, placing first in IH track and field.

Fleming and Page, the second place team, dominated the meet, scoring almost twice as many points as the other five houses combined.

Wayne Bowman of Page was the top individual scorer with 16 points—first in both hurdle

events and second in the long jump. John Land led Fleming a first in the 100, fourths in the pole vault and 220, and started the victorious 880 relay team.

Ruddock's David Yu helped that house to a third-place finish, placing second in both hurdles, and a third place in the long jump.

Gonzo Wakamoto was groated out of last place in the 1320.

Final Track Results

Fleming	79
Page	68
Ruddock	28
Lloyd	24
Blacker	18
Ricketts	4
Dabney	3

Dudes Stomp Moles In Discobolus

by Bob Kieckhefer

Page House defeated Blacker in an exciting Discobolus softball game last Saturday. This game, which originally had been scheduled for November 17, was postponed for two months because of rain (and fog?) and IHC decisions concerning the rescheduling of rain-delayed contests (they now may be postponed a full week instead of only until the next sunny day).

The come-from-behind 8-7 victory was the Page Dudes' third straight one-point victory in Discobolus competition. This year's Discobolus results and current challenge order:

Fleming defeated Blacker (softball)
Fleming defeated Ruddock (basketball)
Fleming defeated Lloyd (football)
Fleming defeated Ricketts (tennis)
Page defeated Fleming (tennis)
Page defeated Dabney (softball)
Page defeated Blacker (softball)
Challenge order: Page (9 points), Ruddock (1), Lloyd (1), Ricketts (1), Fleming (13), Dabney (1), Blacker (2).

Ice Hockey

Continued from Page Eight

Tech's final goal late in the third period.

Anticipating a close game, Coach Warden benched rookie goaltender Dan Margoliash and moved Cliff Brown from his regular left wing spot to goal. This strategy worked so well that UCLA didn't score until the final three minutes of the game. Brown's shutout was lost when a Tech defenseman attempted to stop a UCLA shot, but instead deflected the puck past Cliff's outstretched right leg.

Caltech will travel to Cal State San Diego on February 9 for its next game.

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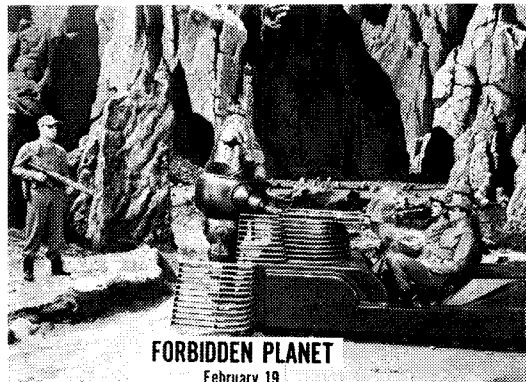
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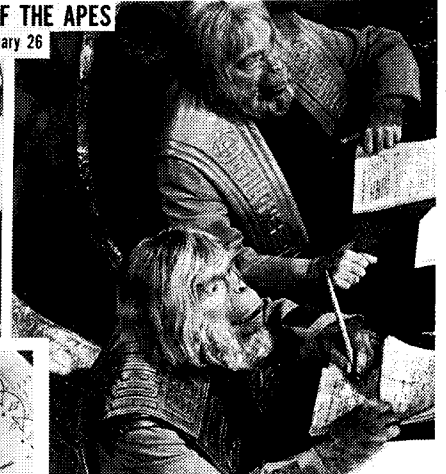
(Chaplin is coming, too)



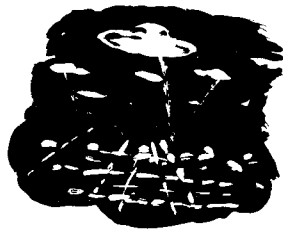
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PLANET OF THE APES
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THE TIME MACHINE
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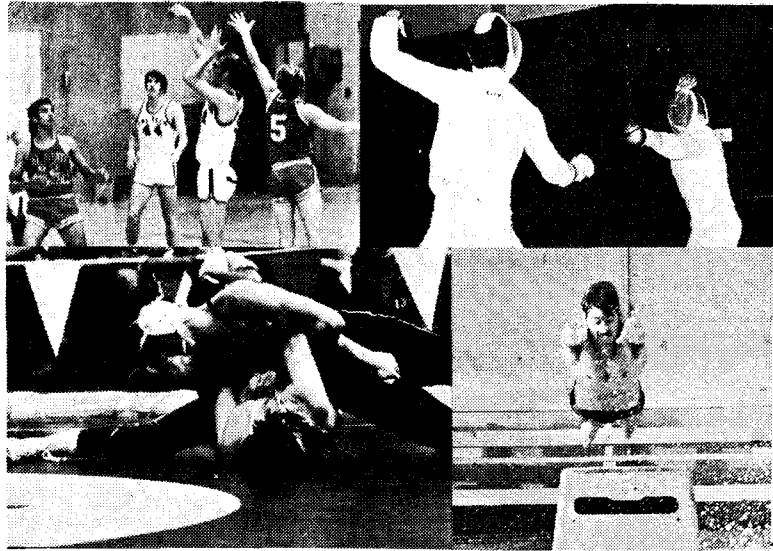
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Wrestling

Best Pure Wrestlers in World

by George

With minor deviations, the wrestlers have unfortunately remained the purest of the pure. Last week they posted only one win vs. three losses to some very tough teams.

Last Wednesday the matmen shut out a three man LaVerne team 52-0. Caltech scored an 18-5 superior decision at 158 and John Baker came through with a flashy come-from-behind pin in the third round at 177. Jeff (the Giant Killer) Blair scored his second pin at heavyweight this year in spite of the fact that he only weighs 167 lbs. A fistfull of forfeits rounded out the scoring.

Later that afternoon, the team was slightly less successful against Azusa-Pacific. The Tech team held it even until the final two matches. There a total of 90 pounds of weight superiority made the difference. Bob Loveman, 150 lbs., made a suitable human sacrifice at 190, and even the redoubtable Blair was forced

to accept his first loss at heavyweight. Final scores—Azusa 36, Caltech 24; Giant Killer 2, Giants 1.

The week's final scenes were played out in Orange County where the matmen wrestled well but were overwhelmed by two experienced teams. They lost to S.C.C. 45-12 and Cal State L. A. 49-6. This brings the team's

season record to six wins and five losses.

This afternoon the wrestlers face Cal Lutheran here at 4:15. Next Wednesday they will try to put themselves back into conference competition in a home match against puissant Claremont-Mudd (I ran out of good adjectives). All athletic supporters are welcome.

Sailors Miss The Boat

The Abominable Sailors of Caltech missed winning the second annual Norris Cup regatta by 3/4 points. After all the races had been sailed and protests heard, Tech had the highest race point score, but teams were given bonus points for using skippers.

Tech had only two skippers while the other teams all had three or four. Thus, UCLA was declared the victor. UCSB got second.

Come on all you would-be sailors! We know you're out there, you people who've had loads of experience but are now hiding under imaginary piles of work because you're afraid to compete. Contact Paul Gazis, 133 Lloyd, before it's too late.

Mudd Mires Swimmers

by I.M. Wett

Howard Bubb took two first in the freestyle sprints, but Claremont-Mudd won every other event in last Friday's swimming meet and cruised to a 68-25 win over Tech. This loss put Caltech's 1974 swimming record at 1-2.

Bubb won the 50-yard freestyle with a time of :23.9, beating his Claremont opponent by a foot. His victory in the 100 freestyle was by a larger margin (two or three feet) as a result of his :53.3 time.

The 499.7

Bob Coleman, Mark Visser, and Jim Seidel each scored four points against Claremont. Cole-

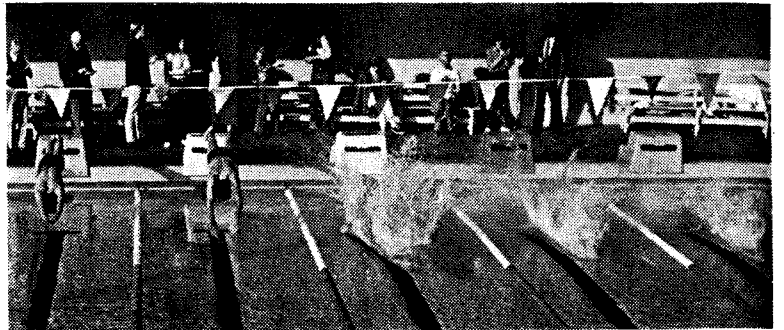
man took a second in the 200 backstroke and a third in the 200 individual medly. Visser's points came on a second in the 200 butterfly and a third in the 200 backstroke.

Seidel received credit for a second in the 1000 freestyle (breaking the 12-minute barrier for the first time this year) and a third in the 500 freestyle. His third in the 500 was actually a third in the 499.7 because he missed the wall on one of the turns, but the referee evidently

was laughing too hard to disqualify him.

Other third places went to Steve Bitondo (50 and 100 freestyle) and Bob Kieckhefer (1000 freestyle). Techers who failed to win also included the ASCIT BOD, which could not quite get a quorum together during the 1000 freestyle.

Tech's next swimming meet will be at Pomona-Pitzer next Friday. It should be worth the drive to Claremont to see this grudge match—Tech's last meet in this pool was not decided until the last relay. Pomona won that relay and hence won the meet.



TECHERS on yer left, Mudders on yer right.

Photo by C. N. Pow

Ice Hockey Wins

by Clyde Barrow

In the wake of their great loss (and subsequent victory) to Notre Dame, UCLA fans were hit with a more convincing 7-1 loss from Caltech's Ice Hockey team. In a game that saw fine goaltending as well as exceptional offense and defense, Caltech never allowed UCLA to have any hope for victory.

Caltech's defense, aided by backchecking forwards, blocked shots and intimidated UCLA shooters throughout the entire three periods of play. The offense continued to score steadily. Consistent goal scorer Willy Lennard collected his first goal

of the evening after only three minutes of play had elapsed in the first period. He later added another goal and three assists, while linemate Les Durland tallied two goals and one assist. Bob Gardiner picked up two goals and two assists including a short-handed goal in the first period while team captain Larry Ford was in the penalty box for charging. Bill Harris scored

Continued on Page Seven

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Brussels Sports Menu

Friday, February 1			
4:15 p.m.	Wrestling	Cal Lutheran	Home
6:30 p.m.	JV Basketball	LA Baptist	Home
8:30 p.m.	Varsity Basketball	LA Baptist	Home
Saturday, February 2			
11:00 a.m.	Wrestling	UC Riverside	Home
12:00 noon	Fencing	Cal State Fullerton & UC Irvine	at UCI
1:30 p.m.	Varsity Tennis	Occidental	Away
1:30 p.m.	JV Tennis	Occidental	Home
Tuesday, February 5			
4:30 p.m.	Wrestling	Claremont-Mudd	Home
Wednesday, February 6			
6:30 p.m.	JV Basketball	La Verne	Away
8:15 p.m.	Varsity Basketball	La Verne	Away
Friday, February 8			
4:00 p.m.	Swimming	Pomona-Pitzer	Away
Saturday, February 9			
All Day	Wrestling	Biola Invitational Tournament	
1:00 p.m.	Fencing	Long Beach State & San Diego State	
1:30 p.m.	Varsity Tennis	Cal State Dominguez Hills	Home
6:30 p.m.	JV Basketball	Redlands	Home
8:30 p.m.	Varsity Basketball	Redlands	Home



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