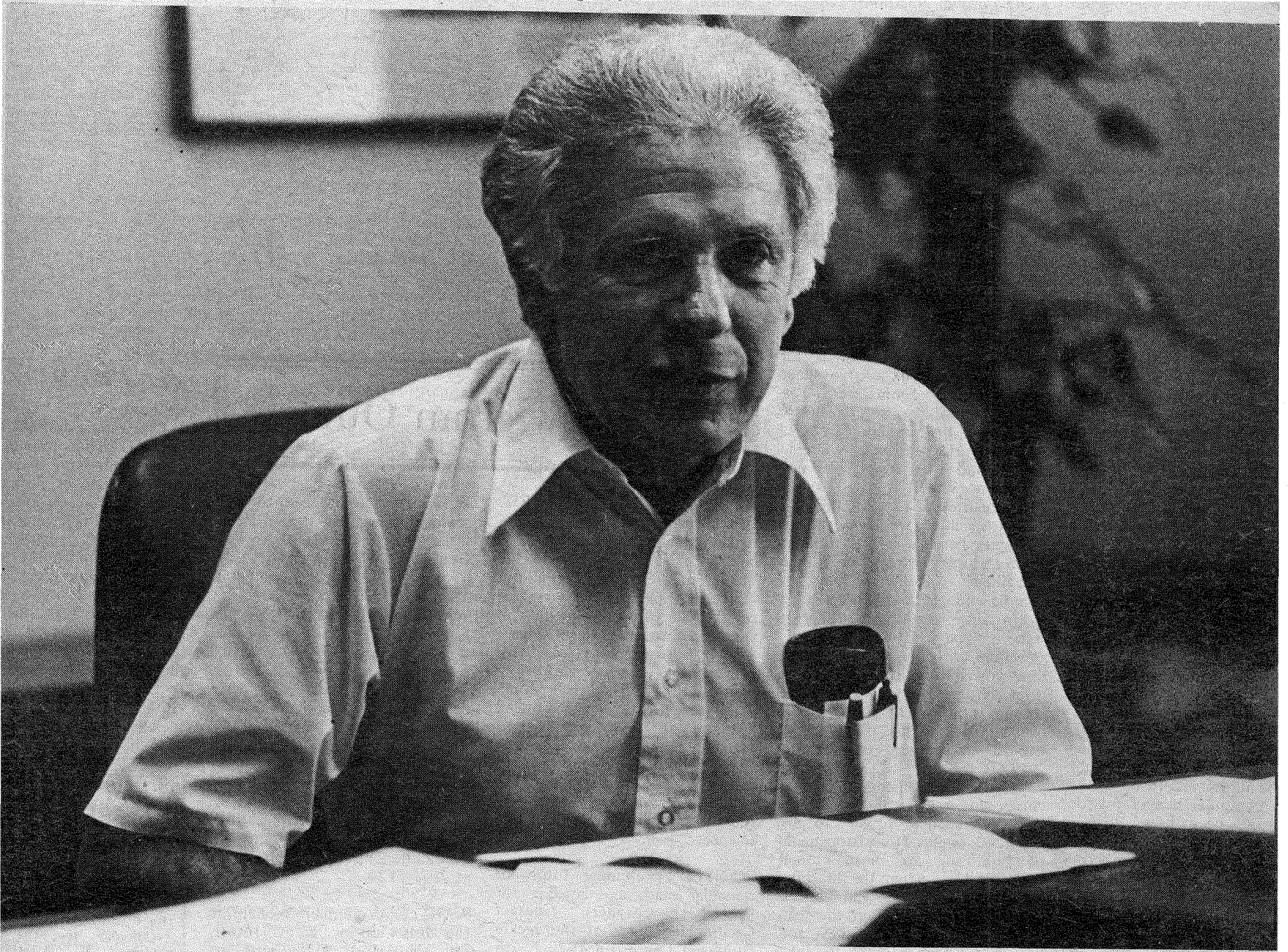


el Presidente



Dr. Marvin Goldberger

Photo by Al Kellner

The Dean

Ray Owen

by Rock Howard

One of the busiest people on the Caltech campus is the Undergraduate Dean of Students, Ray Owen. Along with the Deanship, Ray acts as Vice-President of Student Affairs. From this post he oversees and retains responsibility for the Dean's Office, the Master's Office, Health Services, Admissions, Student Relations, and Physical Education. In addition, Professor Owen teaches a few biology classes. Despite this workload Ray remains one of the most unflappably cheerful persons around town.

This cheerful attitude does not diminish when Ray broaches the subject of student life at Caltech. Dr. Owen thus becomes an excellent foil to Jim Mayer who, as Master of Student Houses, takes an almost cynical view of undergraduate existence. Ray doesn't believe that he and Jim are on ideologically opposite sides of the fence. Rather he believes that Jim is more apt to

be concerned exclusively with problem areas and thus gloss over the large number of students who are doing well and are happy. Ray acknowledges that Caltech can be unnecessarily rough for many of the students and understands Dr. Mayer's eagerness for change, but does not see any need for panic.

From his vantage point as Dean, Ray sees many good aspects of undergraduate life. He sees students with interesting ideas active on the Dean's Advisory Council. He interviews applicants for prestigious Watson fellowships. He joins the seniors for their annual class dinner. There he senses their pride of having survived Caltech and sees them as happy and relaxed. Also he constantly meets alumni who are doing quite well and believe that Caltech's unique education was a major key to their success. Thus Ray cannot believe reports he sometimes hears of the totally forlorn in the undergraduate camps.

In commentary on a few particular issues Dr. Owen retains his rosy outlook. He doesn't see any problem as Mayer does in faculty-student interactions. He feels the great majority of instructors are open. Sometimes they are hard to find and not all the faculty types are first-rate communicators, but it is rare when a faculty member doesn't respond to the students. Further, he believes that the interaction between faculty and students has remained about constant (or possibly increased slightly due to student involvement in research labs) in the last 30 years. He also disagrees with the assertion by L.A. Times reporter George Alexander that the average faculty age is rising quickly and enhancing the gap between faculty and students.

Dean Owen feels that grade inflation was never a real problem. It started as an unsound extrapolation based on the rising percentage of students graduating with honors. Since then the percentage has decreased. On a related topic Ray insists that students don't have as much trouble transferring

see Owen: Page 5, Col. 4

The HSS Chairman

Roger Noll

by R. Willson

Dr. Roger Noll, who became the new chairman of the HSS division on Oct. 1, hopes to make the members of that division "as excited, serious, and proud as anyone on the campus," and "to show them (the faculty of other divisions) that we're just as good at what we do as they are at what they do."

Significant numbers of new faculty are to be hired, enough to allow the division to provide "a coherent, integrated program which would provide undergraduates with the opportunity to become as educated in the Humanities as they want to be." These new faculty members (very approximately 10 of them) will bring the HSS staff, now 35 in number, up to its previous strength, from which it has declined during the past two years.

This decline has been due to the unwillingness of new staff to come to the division while it was

lacking a permanent chairman and while the Institute was without a president after the resignation of Harold Brown. The uncertainty which the vacancies produced in the minds of candidates for the faculty ("what if I go there and the new president decides to scrap HSS") has prevented many posts left empty by attrition from being filled until now, but nearly all of them should be filled in the next year or two.

Philosophy will be one major area of improvement. Several of the new faculty will be philosophers, and Dr. Noll is currently consulting with leaders in the field, among them the well-known Adolph Gruenbaum of the University of Pittsburgh, for suggestions as to just what sort of faculty and program would be best suited to Caltech. A fairly comprehensive plan will be drawn up within the next two months, and the first new staff may well be installed here by the

see Noll: Page 2, Col. 3

Computers Y Xerox?

-But at What Price?

Computers are not evil or malicious in themselves but still they have been the agent of destruction in the death of many minds.

Computers are not weapons but still they can inflict wounds so subtle as to make possible an almost unconscious suicide.

For the very speed and power with which computers render judgement can lure us into abdicating our own judgement to some imagined cybernetic omniscience. The judgements of a computer are but permutations of the implicit judgements of its programmers and its pronouncements but the amplified echoes of our own minds. The computer, then, will return our own foolishness just as it repeats our wisdom; worship of its judgements is both a pygmalion love of self and a cowardice which seeks to escape responsibility for its own decisions.

And the very power and versatility that lets the programmer create worlds within the machine can let him hide there from less satisfying Reality. This god-like power of creation is addictive; for who would forego absolute power to be again a tool of fate. Further, the decision to live in the computer's world is to renounce citizenship in our own. For with every key struck in a program the computer delivers an equal and opposite stroke, a behavioral reinforcement, programming the programmer. And, in his increasing attention to his artificial world, many a programmer has slowly typed his soul away into the computer; becoming finally only another terminal, indistinguishable from the machine itself.

The computer is a useful tool but one only need observe the state of its disciples to know that it is a dangerous one. One need only hear them, intoxicated with the glory of their cybernetic kingdoms, speak in ecstasy of their ability to control and destroy other programs to realize that absolute computing power corrupts absolutely. One need only see those whose appearance and personality have withered from disuse to wonder whether we buy computing power with our humanity. We must be ever mindful that the computer is but a plow with which to till the field of knowledge; and that we are not the oxen but rather the farmers who shape the tool, guide it, and reap the harvest.

-R. C. Colgrove

One of the perennial problems that the Y has had to deal with is abuse of xeroxing privileges by persons unknown. A xerox machine has been made available in the Y workroom for student use 24 hours a day; copies are 7 cents each and can be paid for using several methods. During office hours, you may charge copies to your student account by completing a quad form, or you may put cash in the moneybox. During the evening, we ask that you use only the charge method, and this is where the trouble begins.

As we pay monthly for the machine according to the number of copies made, it is very important that during the hours when the office is closed we keep an accurate record of the copies made and the copies charged. The problem is that copies are made and not recorded properly. Noting the copy on your quad form is not enough; the xerox charge sheet must also be completed. The intent is that the meter readings will equal the number of copies recorded on the xerox charge sheet and that we will not experience "theft".

Unrestricted use of the Y's xerox machine was provided to students because it was thought that people would not take advantage of other people. It's simple enough to fill out a quad form and charge sheet; it doesn't take much effort. But this machine costs us money to run, and you are ripping us off when you "forget" to leave some change or "forget" to fill out a quad form. This month the rip-off total was 680; that's \$47.60, folks!

To have someone who is supposed to be of moderately high intelligence "forget" to pay for 200 copies (this happened!) is confusing to most normal people. Also, when the machine is jammed, call the number on the wall for the person who can unjam it. They have a key, and you won't have to break the lock to get to the inner works, as some jerk did recently. If people continue to damage the machine and/or continue to rip us off by not paying for copies, the Y is left with very few alternatives: the machine will be shut down on weekends; if that doesn't work, night time use will be stopped; and if that doesn't work, day use will be restricted.

-Peter Dewees

Noll from Page 1

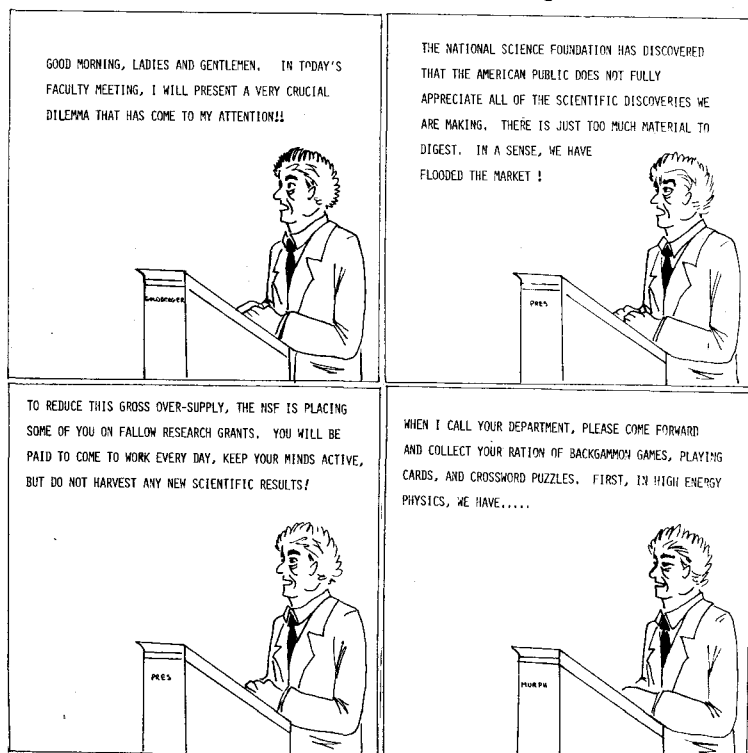
beginning of the next school year.

Other major areas of attention will be literature, languages, and fine arts. In this latter field, the goal will be to provide a coordinated program of academic studies and other activities, such as performances and seminars, so as to make use of outside resources, such as the Baxter Art Gallery, which regularly brings artists to the campus.

The small size of the department (about 35 professional staff) forces HSS staff to "interact or be hermits." One major criterion in the selection of the new staff will be the possibility of their interaction with the faculty of the other divisions, and so the object of the selection process is to find candidates whose research interests lie in areas related to science (History of Science, economics of technological advancement, for example).

Noll see Noll: Page 3, Col. 5

Thuncan by P.M.



The View from Outside

DESPERATELY NEEDED: Caltech people who are willing to make a commitment of time and energy to help improve the quality of life in the community; Caltech people who are responsible and disciplined, who are willing to set aside time each week on a regular basis with little or no monetary compensation; Caltech people who are sensitive to the growing alienation between people, and are concerned enough to take action; Caltech people who are willing to explore aspects of life which have no direct relation to their immediate pursuit of science.

WANTED: Volunteer tutors of remedial math and reading for 9th-12th graders. Contact Cecilia Hernandez at the Jackie Robinson Center on 1020 North Fair Oaks, 577-4180.

WANTED: Volunteer math and science tutors, all high school levels, to work in the S.E.R.V.E. program of the Pasadena Unified School District. Contact Mrs. MacDavid at 795-6981, x256.

WANTED: Volunteers in tutoring and general helping. Contact Bob Monk at the Boys Club on 3230 East Del Mar. 449-1953.

WANTED: Volunteer to do statistical work. Also need math tutor; willing to pay a small salary. Contact Loia Broadnax at the Pasadena Mental Health Center on 1495 North Lake. 798-0907.

WANTED: Volunteers to help senior citizens. Contact Barbara Dane at the Pasadena Senior Center, 85 East Holly. 795-4331.

WANTED: Tutors in Medical Science, Biology, Animal Behavior, Aerodynamics, Space Technology, Electronics, Computers, and Chemistry needed for the Secondary School Science Program. Contact Lee Browne at Caltech x2207. Pay \$3.30/hour.

WANTED: Volunteers to work with alcoholics. Contact Jim Tompkins of the Grandview Foundation on 1230 N. Marengo at 797-1124.

WANTED: Volunteers to help at the Girls Club located at 3160 E. Del Mar. Most of the girls are from 8 to 13 years old and are from single parent families. As of now, the staff consists of 15 women, so male help is especially desired to give the girls a broader background. Contact Cheryl Sooter at 796-6115.

For more information concerning these or other volunteer activities, look in the CCCI notebook at the Caltech Y or come to the CCCI meetings at 7:30 pm on Wednesday nights in the Y Lounge.

Sound! "Do you believe in clubs for women?" "Yes, if kindness fails."

The Caltech Y.....fly by

Wednesday, November 1, UPDATE NOON DISCUSSION SERIES. Dr. H. David Politzer, Associate Professor of Theoretical Physics, speaking on "Quarks: Science Fact or Science Fiction?" Clubroom 1, Winnett, at noon. Bring a lunch.

Wednesday, November 1, THEATRE WORKSHOP. Featuring theatre games and improvisation. Winnett Lounge at 7:30 pm. Space for 20 participants. Come by the Y office and sign up. Deadline Tuesday noon.

Friday, November 3, BESSIE JONES. Afro-american song and dance. At noon on the Quad. Bring a lunch.

Friday, November 3, IMPROVISATIONAL THEATRE. Y Theatre Excursion. Sign up in the Y office for tickets, \$2.00 (includes transportation.) Deadline is Wednesday, November 1, at 5:00 pm.

A. Frosh Writes

To the ed. Christopher Juten has the right idea but still has misunderstood the central problem. Sure, anything can be found at Tech given sufficient time and effort to search it. But the fact remains that more normal environments, time and opportunity for "interpersonal relationships" come most automatically to anyone who doesn't hide from them. For a group of people who have oppressive demands on their time and the whole unimpressive social life to begin with, the need to consciously and energetically pursue social life represents a substantial hardship.

-The ghost of A. Frosh

The CALIFORNIA Tech

Volume LXXX Number 6
Friday, October 27, 1978
Published weekly except during examination and vacation periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed in all articles are strictly those of the authors and do not necessarily reflect those of the editor or of the corporation.

★ Editor-in-Chief ★
ed. Bielecki

Writers
Ray Beausoleil, Eve Bennett, Susan Grace Boyer, Jeff Copeland, John Avery Deane, Bill Gould, Patrick Frantz, Frank Haggerty, Rock Howard, Chris Juten, Don Korycansky, Mike Kurilla, Duncan Mahoney, Karen Pickens, Robert Tajima, Richard Wilson, David Younge

Photographers
Joe DiGiorgio, Alan Loh, Yih Shih, Dave Wheeler

Production
Nick Smith, Fred Vachss

Business Manager
Al Kellner

Head Paper Boy
Carl Lydick

The California Tech Publications Office: 115 Winnett Center 107-51, California Institute of Technology, 1201 East California Boulevard, Pasadena, California 91125. Telephone: 795-6811, Editor-ext. 2153, Business Manager-ext. 2154. Printed by News-Type Service, Glendale, California. Second-Class postage paid at Pasadena, California.

Subscriptions
\$1.50 per term
\$4.00 per year
\$100 per life

ASCIT MOVIE

Friday Night ASCIT Members 50¢
Baxter Lecture Hall Others \$1.00
7:30 & 10:00 Everyone Welcome

James Bond's first appearance
on the ASCIT screen

"FROM RUSSIA
WITH LOVE"

Next Week: Kentucky Fried Movie

Science and Society

How does that old song go? "The moon belongs to everyone." In one sense that's very true. For centuries men have divided up their lands into kingdoms and empires. No single country, though, has a legitimate claim to the planets and territories beyond the earth's atmosphere; rather this is the heritage of all mankind, and if man is going to mature and develop on an interplanetary scale then all nations must share in the exploration and colonization of space.

It is thus all the more depressing to witness the United States' space program entering its third decade of unilateral exploration. The few recent U.S.-U.S.S.R. joint missions are a hopeful start, but they do not go far enough. I believe the United States should actively encourage the design and formation of an international space agency (possibly under U.N. jurisdiction) for the exploration of our solar system.

The present situation has developed primarily because of two factors: World War II, and the 'cold war'. At the end of the 1940s the technology did not exist to put a man—or anything else—in orbit. A huge capital outlay was needed to develop a space program, and only two countries had funds to spare: America and Russia. In addition, these two countries had siphoned off the best of Germany's rocket engineers. A mutual space program might have been ideal except for one factor: the two countries weren't speaking to each other. In fact, the original primary motive for space research was military application of missiles. Later, with the launching of Sputnik, the military battle became one of propaganda. President Kennedy was able to mobilize this nation to put a man on the moon within seven years, but only so that "we would be there first". It scarcely surprises that this nationalistic attitude should survive almost into the 80s.

Nowadays our country sends probes to all the planets in our system; we are preparing the age

of space shuttle and space station. Why, if the U.S. has a successful program of its own, should it wish to merge with other nations? The benefits are potentially enormous. Economically, the burden of financing a space program would be vastly eased through communal sharing, and the savings reinvested in domestic projects; technologically it would allow the broadest exchange of ideas and research; it would allow developing nations to train a core of personnel in complex technologies of benefit to earthbound populations; it might foster peace and cooperation among countries with a common stake in the project, especially if the concept should awaken the public imagination. Finally there is the philosophic argument that space exploration is too important to allow domination by a single nation.

It must be admitted that there are a few seeming difficulties with this proposal, but on the whole they are minor. Some might argue that the U.S. will lose its technical and economic advantages in space; however, these are at best temporary anyway, and enterprising American businesses will still be able to profit through the international agency. The Air Force will (presumably) continue to research missile systems and electronics. It can be argued that the existing NASA bureaucracy is too firmly entrenched to dissolve, but a space agency of this type will need a decade or more to develop, and during that time much of the existing framework can be shuffled in. Some advanced technology would obviously come into the hands of the Soviet Union, but on the other hand we would obtain some technology from other nations.

It seems to me the main worry of such an international space agency would be exactly what faces the U.N. today: the ability of a bloc of nations to disrupt effective and nonpartisan action by the group. As of now I have no solution to this problem, but I feel confident of its

eventual resolution.

The arguments for and against cannot be totally encompassed here. This proposal would necessitate long-term planning and cooperation. However, it is obvious that the next generation—the *international* generation—of space flight is "ready for takeoff". To those who question the need for even considering such a subtle change in our lifestyle at this time, I can only answer that those who

don't plan with far-reaching vision will surely be engulfed by the abyss of uncertain tomorrow.
—Pat Frantz

Hum-Puff, Puff, Puff

A tricky young gal, I'll tell you
Was cute little Mary Carters
With a tempting smile on her
pretty lips
and mouse traps on her
garters.

Noll from Page 2

feels that the opportunity for interaction with gifted scientific faculty, as well as the presence of bright undergrads (who make competent research assistants and are early enough in their academic careers not to be locked immovably into their own areas of interest) will serve to attract talented new staff to the division.

Your business travel deserves professional handling.

Fast, accurate, reliable.

Serving Caltech for over fifty years

Campus extension 2226



Equipped with SABRE computerized travel system — the most advanced idea in travel since the jet — our experienced agents can handle all the details of your itinerary with speed, accuracy, and reliability.

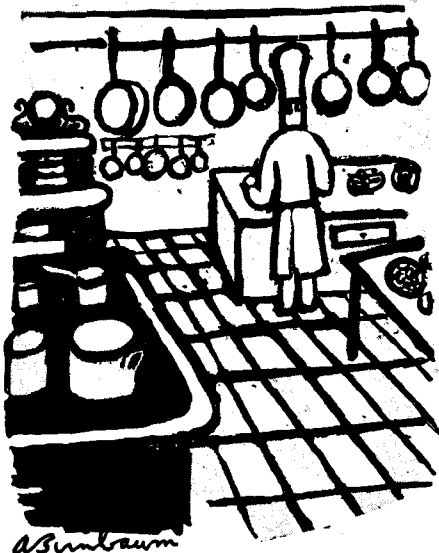
690 East Green Street, Pasadena, CA 91101

Experience plus automation

CALTECH'S

**20% Discount on
Caltech Card**

BURGER CONTINENTAL



ATTENTION ATTENTION ATTENTION ATTENTION ATTENTION

**Every Wednesday is a special Caltech day
at Burger Continental.**

Special Buffet ★ All You Can Eat ★ Wednesday Only

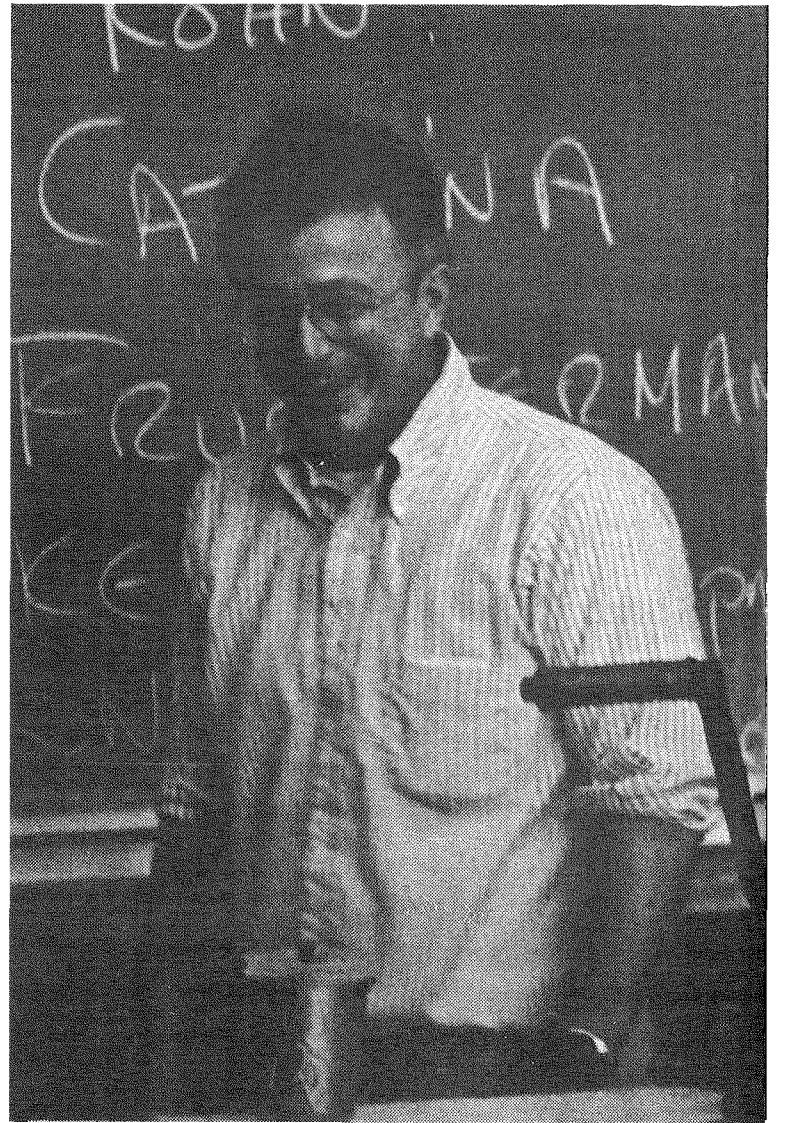
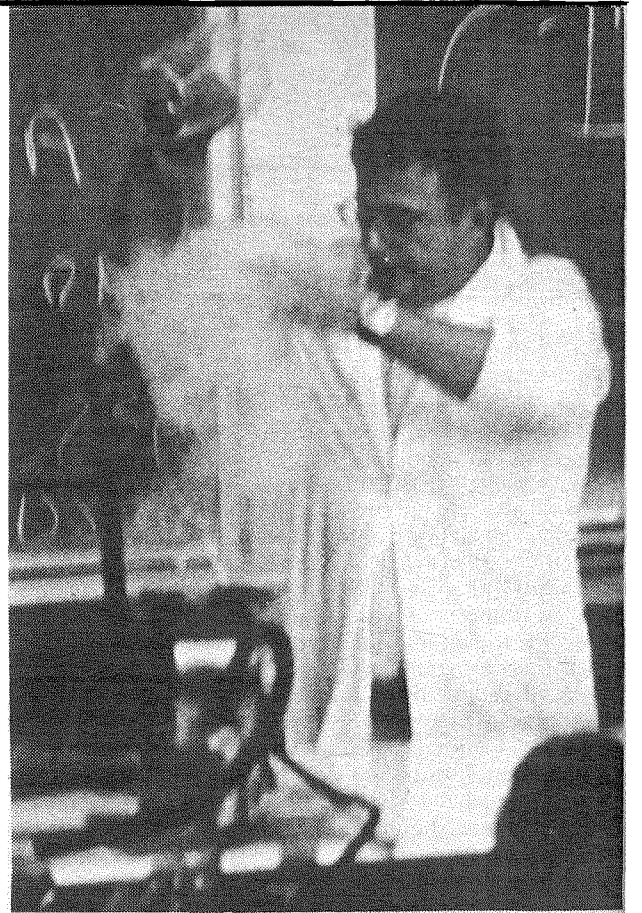
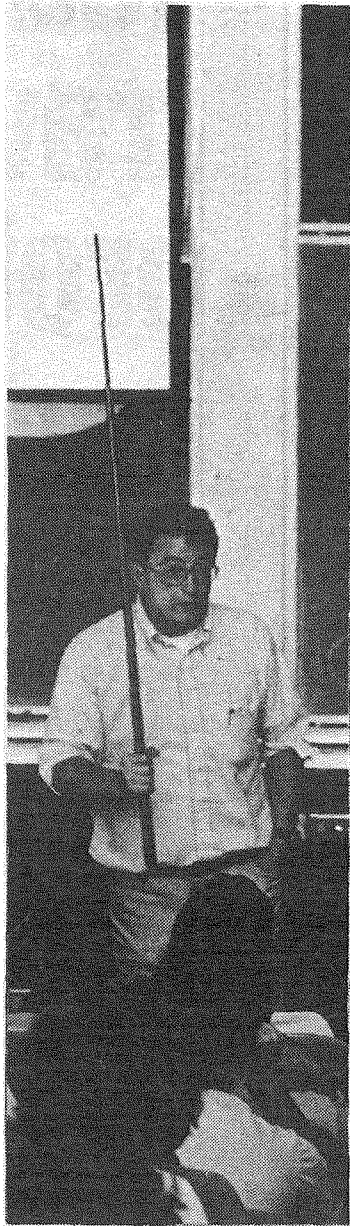
House of the week LLOYD

Free root beer float with dinner

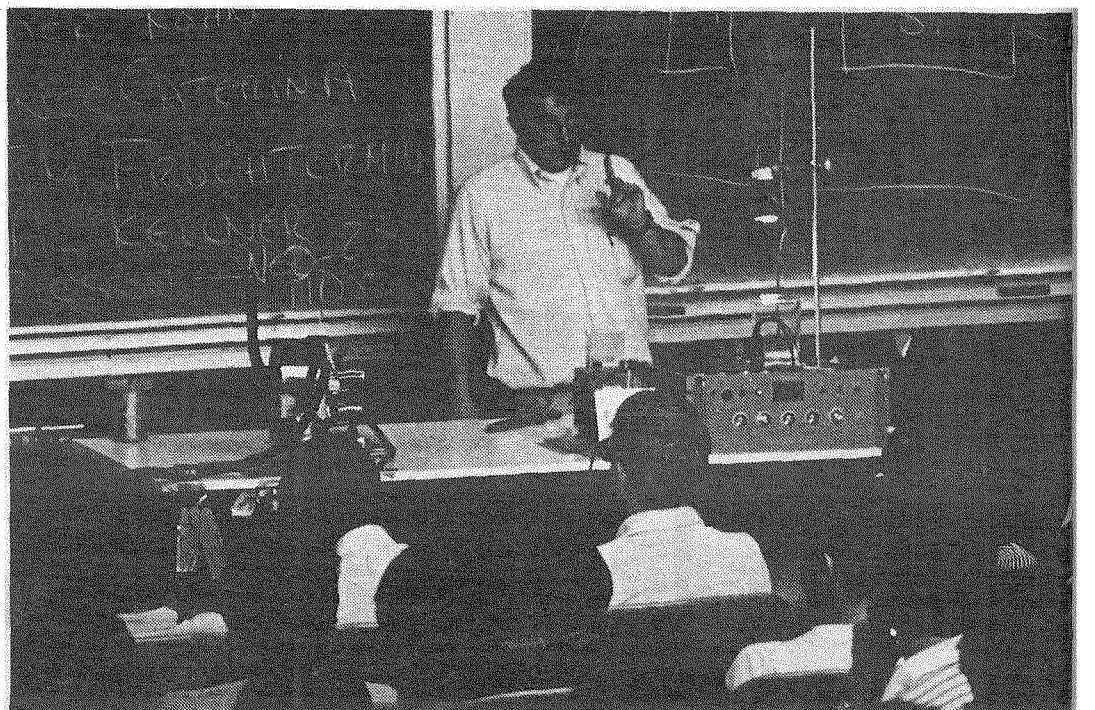
B.C. will still serve its regular menu.

Jolly Jim Mayer Shows How It's Done in APh 3

(Ask Any frosh)



Photos by
Al Kellner





The Old and the New Ice House

Approximately two months ago, an era ended. Not a very big era, one whose passing was scarcely noted by most. The change was marked by a sign up on Mentor, just north of Colorado, being taken down and replaced by one far less legible from a distance. The old one had said "Ice House".

For those of you who never got around to going to the Ice House, all I can say is "ya blew it, turkeys!" There probably will never be another place of entertainment like it, and seeing it close was somewhat akin to witnessing the death of vaudeville.

You see, the Ice House was a small nightclub, right here in beautiful downtown Pasadena, that was instrumental in shaping small parts of American entertainment for the last 15 years. It was the place where many entertainers either got their start or their big break, a place that some came back to time and again. At least one famous musical group of the sixties formed partly from members of the stage crew of the club (The Association, for those of you

who remember "Cherish" and other hits). People went on from the Ice House to fame and/or oblivion. England Dan & John Ford Coley; the Dillards; Seals & Crofts; Stephen Bishop; Steve Martin; George Carlin; Lily Tomlin; The Smothers Brothers; Gabe Kaplan; Mike Nesmith; Mason Williams. Perhaps someone has a complete list. I don't. I do know that over 40 record albums were recorded live at the Ice

House, ranging from Art Linkletter to Lily Tomlin.

There was always something about the Ice House, something friendly that drew some of the big names back to perform there when they had the time. The crowd was never hostile, usually understanding even on those rare occasions when an act simply didn't click. Bob Stane, the club's owner since its inception, had a talent for finding people to perform there who were talented, whether or not they would ever become stars. And many didn't. The Ice House also had the perpetual also-rans of music and comedy, the songwriters who wanted to be singers, the singers who had been on tour so long they didn't have anyplace to go home to, the leftovers from the previous eras of music. Bob Lind, whose only hit was a decade old; see Ice House: Page 7, Col. 3

Owen from Page 1

out of Tech as some students might suppose. He feels he does a good job of communicating with other schools and doesn't let them just count freshmen pass grades as C, for example.

Ray disputes Jim Mayer's figures concerning the graduation rate at Tech. His little charts show that since the Fifties, Tech's 4-year graduation rate averages out at 60% and its total graduation rate is 70-75%. Also many of the victims of attrition get other degrees elsewhere. He sees a correlation between those leaving Tech with those who enter with higher verbal aptitude scores than mathematical scores. This would be a manifestation of Tech's scientific emphasis.

The big deficiency that Dr. Owen thinks the students may have at Tech is a real feeling of

success. Somehow they need more of a sense of reward for their efforts. Caltech students are more roundly and broadly developed and overall better human beings than they get credit for. Often the unhappy students only need a reassuring sign from someone that they are doing a good job.

Finally, the Dean senses that Tech may be approaching an exciting era of change. He sees our new president as interested in undergraduate matters as well as warm and responsive to the needs of the community. He recalls that Tech went through a batch of profound changes about 10-12 years ago which included pass-fail for freshmen, female admissions, and freshmen electives. He has high hopes that equally profound and beneficial changes may be close at hand.



THE HAIR CUTTERS

HIS AND HERS
CUTS EVENINGS

449-6967 449-1022


1009 E COLORADO PASADENA
NEXT TO THE ACADEMY THEATRE
PARKING IN REAR

The largest selection
of hard aluminum
MEASURING TOOLS
in the country!

FAIRGATE

STRAIGHT EDGES/T-SQUARES
METRIC RULES/L-SQUARES
CENTERING RULES
TRIANGLES/CURVE STICKS
INKING RULES
and many others...


See them
at your
Bookstore!



BUILD YOUR OWN

BIG SCREEN COLOR TV

Sporting Events Are An Experience As Exciting As Being There!
Movies Are Seen The Way They Were Meant To Be Seen!
Pong And Other Video Games Are More Exiting Than Ever!
Can Be Used With Video Tape Playback Equipment!



Simulated TV Reception

It's Like Having a "Movie Theater" in Your Home!
AMAZING \$90.00 PROJECTOR KIT now only \$29.95

Imagine inviting friends to see TV Specials, Movies, Sports, on your Theater Size TV! It's like viewing on a movie screen! Everything takes on a whole new dimension . . . almost makes you feel like you're in the action! Can also be used outdoors, converting your back yard into an open-air Outdoor Theater! This new invention, gives sharp brilliant TV reception comparable to commercial projector systems costing \$2,500 or more. Absolutely SAFE to use. No electrical or mechanical connections to TV. Removes in seconds for regular size viewing. No special aerial required. Projects up to 5 x 6 foot pictures (7½ Ft. diagonal) on wall or screen, even in the smallest rooms or apartments. Best of all, this amazing Projector is really simple and inexpensive to build yourself. Even a 12-year old can do it quickly. Enclosed Kit comes complete with unbreakable lifetime guaranteed Precision Lens System, 11" x 17" illustrated Plans and Specifications and EASY ASSEMBLY instructions. All you supply is only some cardboard or wood for the simple cabinet. This Projector can be used with ANY Portable TV set 7" to 25", and will enlarge pictures in either Color or Black & White. If you wish, here's an easy way to make money in your sparetime. Simply assemble and sell these TV Projectors to your friends, neighbors, relatives, etc. Everyone with a Television Set will gladly pay you up to \$90.00 for each Projector you build. Make up to \$70.00 on each easy sale. Your cost, one kit - \$29.95, two kits - \$49.95, five kits - \$99.95.

SALES MARKETING Dept. NP-7
P.O. Box 2646
Merced, California 95340

Enclosed is \$_____ for _____ Postpaid complete TV PROJECTOR KITS

Name _____

Address _____

City/State _____ Zip _____

Offer expires November 10, 1978

Musical Notes

Scenes from the then ASCIT Musicals *Kiss Me Kate* (right) and *Student Prince* (below). For news about this year's production, read the article.



by Flora Boyer

Auditions for the Caltech Musical, to be presented in February, 1979, will be held on Saturday and Sunday, Nov. 18 and 19, in Winnett Student Center Lounge, from 1-5 pm both days. This year we will be doing *Music Man*, by Meredith Willson.

The show takes place in a small town in Iowa, River City, in 1912. Harold Hill, a traveling salesman, arrives in town to sell the townspeople on the idea of a boys' band complete with instruments and uniforms. With no knowledge of music and planning to decamp with everyone's money as soon as the uniforms arrive, "Professor" Hill talks up his revolutionary new method of teaching music, the "Think System". The town librarian, Miss Marian Paroo, who also teaches piano, suspects Harold of being a confidence man. But due to his kindness to her shy younger brother Winthrop (who hath a lithp) she falls under Harold's spell, as does everyone else in town. There is the requisite happy ending, but not before the School Board turns into a barbershop quartet, the Mayor's wife becomes a grecian urn, an anvil salesman stirs up the ice cream social, the town's gossipy ladies call Marian a "fallen woman," and (gasp) a pool table is moved into the billiard parlor.

As far as parts are concerned, there are lots! Marian is the female lead, with three secondary women's parts, one of which is a dancer. There are four small women's parts (they all sing) and eight to ten dancer-singer non-speaking parts. There are two young girls, one of whom must sing, and play piano. Harold is the male lead, with four secondary leads, two of whom do not need to sing, and one who must be a dancer. There is the quartet, who have several songs, five other small parts, and we also need eight to ten dancer-singer types. Winthrop Paroo must sing and hopefully play the cornet. Of course, we

need lots of people in the chorus, too, from 8 to 80. And remember, there are five chorus numbers and five dances!

The orchestration is not too complicated. There are five reeds (No. 1, flute and piccolo; No. 2, B-flat clarinet, oboe and english horn; No. 3, B-flat clarinet, E-flat clarinet and soprano sax; No. 4, B-flat clarinet, flute and bass clarinet; No. 5, bass sax, B-flat clarinet and bassoon). There are three trumpets, three trombones (naturally), one percussion part, four to eight violins, two cellos, one bass and one pianist. If necessary, we may spread the reeds around. Also, we need as many pianists as possible for rehearsals.

On the staff, we need a properties manager, a makeup man and hairstylist, and a promotion director. For the crew, we need set-builders, back-stage crew, costume sewers, people to help cast-members with their costumes, light men, prop assistants, and all around go-fers. As you can see, there's lots to do.

If you are interested, show up at auditions. Crew members will be signed up and notified of when they will be needed. Staff people will be put to work immediately. Orchestra people will be asked to sign up, and an orchestra rehearsal will be called for everyone at the beginning of January. The final orchestra will be chosen at that time. Cast members will be asked to vocalize and learn a short routine taught by the choreographers. If someone is interested in a part of any size, he or she will be asked to sing something from the show and to read. If anyone is interested in Harold or Marian, a song of the person's own choosing should be prepared. Bring two copies of the music to the audition; an accompanist will be provided.

If anyone has any questions, or would like to see the script or score, drop in to Flora's office in 105 Winnett or call her at ext. 2157.

Photos by
Terry Sheehan
and
Foto Philes

NEWS BRIEFS

Little t's!

Faculty, staff, departments, and other non-ASCIT members who wish to buy a *Little t* can do so in the Caltech bookstore. The cost is \$2.00.

Jazz Blood?

The Caltech Dixieland Band is alive and well (in fact, damn good), but it needs some new blood, especially a drummer (Duchess got hungry one day, you see—ed.) If anyone likes to play Dixieland (any instrument) call Professor J.E. McKee, X1391. We'll welcome recruits.

More Art

At the Baxter Art Gallery on Nov. 1, at noon, there will be another informal talk about art and the Gallery. Bring your lunch.

Slugs or Kilos?

Tuesday nights at 9:30.

.Yay or Nay?

There will be a debate on Proposition 6 on Monday, October 30 at 7:30pm in Harbeson Hall at PCC. On the pro side will be Fay Angus from 'Decency and Morality' and on the con side will be Ivy Botini from 'No on 6'.

Where Away?

The Pasadena Urban Coalition will present "In Search of a Better Community: What Can We Do?" It will consist of a series of public forums on housing and displacement. Come to the Pasadena Convention Center on 300 East Green from 9am to 4pm on Oct. 28. For more information call 795-6803.

See Last Issue's Thuncan

The Ballroom Dance Club has a field trip to UCLA this week and will not meet in Winnett this Friday night. New dancers are invited to join us next Friday at 8pm for Beginning Instruction.

Slugs or Kilos?

Masses will be held in Clubroom 2 of Winnett, Tuesday nights at 9:30.

Personal

To my secret admirers:
Stop being so shy and
introduce yourselves.
You Know Who

THE CALTECH BOOKSTORE

announces a



"Lotsa" books available...

NEW and USED!

TIME: Wed., Nov. 1 & Thurs., Nov. 2

PLACE: Outside the front entrance
to the Bookstore

Also on sale will be a selection of
calculators, gift items, and supplies!

Gadzooks!

Wife (to drunken husband):
"Let's go to bed, dear."

Hubby: "Might as well. I'll
catch hell when I get home
anyway."

Egad!!!

Never trust a girl who says she
loves you more than anyone else
in the whole world. It proves
she's been experimenting.

ROMA GARDENS

**BEER & WINE
ITALIAN CUISINE**

PIZZA SPAGHETTI RAVIOLI

OPEN 5-11 p.m. Sun-Thurs

5-12 p.m. Fri-Sat

**Now open for lunch 11-2. Buffet lunch
\$2.95. All you can eat Thursdays for \$4.25**

10% off on italian food to all CIT students
(buffet lunch excepted) 7 days/week

Use new back entrance for picking up orders

1076 E. Colorado 449-1948

Ice House from Page 5

Tim Morgon, whose hit was older still; Chuck Mitchell, who never made it as big as Joni; Hello People, the rock group with albums that just didn't sell very well; Juarez, originally the Baker Street Irregulars, a group who couldn't get along with their record label; folk singers who taught other people the songs to sing and make hits.

And they were good, dammit! All of those people you never heard on the radio, all the ones who never made it onto *The Tonight Show* or wherever stars got seen.

All that for the price of admission, which was always cheaper than a movie ticket. For years, \$2 more or less would get you in, and there was none of this 'minimum' garbage on drinks or food. If you didn't want anything, or couldn't afford anything, that was cool. And it was more likely the former reason, since the food or drinks were relatively cheap for a club. For the same quality and less, you paid twice as much at the Troubadour or other places.

And then it all died.

.....
The New Ice House Comedy Showroom and Music and Magic Cabaret held a sort of a grand opening last week, inviting newspaper people from this and other distinguished publications. The whole thing was very well staged, with the new owners wandering around talking to people. The new owners have respectable credentials in the

entertainment field, and at least some basis for their pretentious new name for the old club. Two of them were involved in the Laff Stop, an all-comedy club down in Newport Beach. One was also a comedy writer, another works in the field of gathering test audiences. They have worked at remodeling the club, and creating an extra place to relax and be entertained, other than just the main showroom.

The plans currently in the works include having the main room, The Comedy Showroom, feature three acts nightly, with a comedy headliner along with music and/or magic acts, the latter coming from such places as The Magic Castle in Hollywood (a club not open to the public in general, which has some of the best magicians in the world performing at it occasionally). In addition, the Music and Magic Cabaret will be a smaller, more intimate room for other acts. Admission to the larger one, which includes admission to the other as well, is \$3 Sunday-Thursday, and \$4.00 on weekends. Admission to just the Cabaret will only be \$1 to \$1.50.

Already scheduled to appear as headliners are Billy Crystal (of "Soap" and much better things) and Jimmie Walker (of "Good Times"). Crystal will appear this Saturday and Sunday nights, with Walker next Tuesday through Thursday. Shows start at 8:30, with second shows at 10:30 on Friday and Saturday nights.

The food and drink menu is limited but interesting. Full dinners are available for \$4.50, including Spaghetti, Chicken a la King and Beef Stew. A Chef's Salad will run you \$2.50, as will Nachos or a Cheese and Apple platter. A Sundae is \$1.50, and a small basket of Chocolate Chip Cookies is \$1.00. Drinks range from \$.85 for standard soft drinks, to \$1.00 for ciders, coffees and lemonades, to bottled beer (\$1.25 domestic, \$1.50 imported), wine (\$1.25) and a small number of fancy cocktails (\$1.65). Not bad, really, no more than you'd pay in a medium-priced restaurant for similar items.

The show on preview night consisted of some very good entertainment, and that bodes well.

Elayne Boosler is an excellent comedienne. Her basically stand-up routine was one of the

few I've seen from a competent comedienne, most others falling back on some gimmick or other. Basically she did what a good stand-up comic does, which is entertain people with bits out of their own lives.

Jay Leno was pretty good, another stand-up comic who wandered from topical subject to topical subject.

My favorites of the evening, however, were Rick and Ruby, otherwise known as the Rick and Ruby Show (I suppose so Raoul wouldn't feel left out). Rick, Ruby and Raoul provided some of the most outrageous comedy music I've ever heard. Basically, they are musical impressionists, providing the audiences with such horrifying concepts as Neil Diamond as a singing comedian, Camptown Races as being sung by Fleetwood Mac, and a 3-minute version of West Side Story. Not to mention Barry White singing Jambalaya.

Anyway, the entertainment was good, and the atmosphere was encouraging. There is still hope that the new owners won't disgrace the name Ice House, that in fact their concentration on the comedy acts will provide a home for up-and-coming comedians, one of the things that the old place did. I know that I intend to give The New Ice House another try, and I feel that I can recommend it.

The New Ice House is at 24 N. Mentor Ave. here in Pasadena, about 1 mile north and west of the student houses.

—Nick Smith

CIT—Oxy Party

A splendid time is guaranteed for all at the first annual Collegiate Symphony Orchestra Halloween Costume Concert, to be held at Thorne Hall at Oxy, Oct. 31, from 11:00pm to whenever.

The Orchestra will play such ever-popular and appropriate selections as Mussorgsky's "Night on Bald Mountain", Saint-Saens' "Danse Macabre", and Mendelssohn's "Reformation" Symphony, to be followed by a showing of the Roman Polanski film *The Fearless Vampire Killers or Your Teeth and My Neck*, and a costume judging with prizes.

And what do you have to do to get all this and more for your very own? Just show up at Oxy at the right time. Admission is \$1.00 if you come in costume, \$1.75 otherwise. See you there! (and remember those Oxy girls!)

Expand your horizons with TRW VIDAR

We're expanding our horizons . . . and we'd like to invite you to play a significant role in our continuing growth!

Vidar, a major Division of TRW, is engaged in the development, manufacture and marketing of digital telecommunications products and systems for the telephone industry — worldwide.

Because of significant product expansion, we have current opportunities for bright, enthusiastic Electrical Engineers and Computer Scientists with a BS, MS or Ph.D.

Our benefits program is among the best — you'll find our educational assistance program extremely attractive: 100% reimbursement for tuition, fees and books for work related courses. In addition, we have a unique Work/College Program which allows continuing education while on a reduced work schedule.

Interested? Let's talk about it!

**WE WILL BE INTERVIEWING
ON YOUR CAMPUS**

Monday, November 6

Please Contact your College
Placement Office to arrange interview.

If you are unable to schedule an interview the day of our visit, we'd be happy to receive your resume. Send it to Richard M. Duncan, Senior Personnel Representative:

TRW VIDAR
77 Ortega Avenue
Mt. View, CA 94040
415/961-1000.



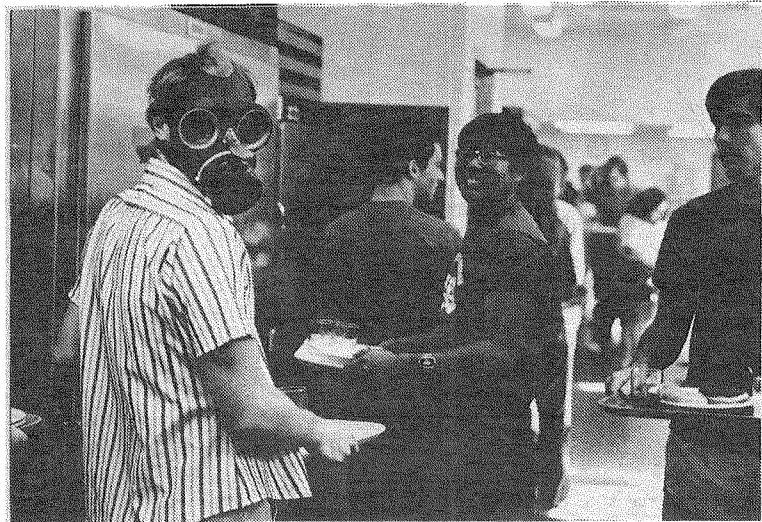
TRW VIDAR
TRW VIDAR
TRW VIDAR
TRW VIDAR
TRW VIDAR
TRW VIDAR
TRW VIDAR

We are an equal opportunity employer M/F

ADVERTISEMENT



Ruth Klicker and Olga Lamarche have combined their travel experience and expertise as *Klicker-Lamarche Travel, Inc.* The agency is fully staffed and can assist with any travel requirements, business as well as independent vacations, tours and cruises. Call them at 577-2730 or 684-4440. Deliveries to campus are made daily.



Page, Fleming, and Food Service all put their share of shit in the air last week.

Photos by Joe DiGiorgio

They Want Onlookers

C.C. Keeps on Moving Up

by Thor Feat

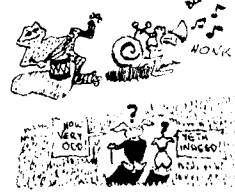
Caltech's cross-country team split a quad meet 2-1 last Friday at San Diego and now stand at 11-5. The score was UCSD 24, Caltech 43, Tijuana Tech 75, and USIU 95.

Tech started out fast, forcing the pace for the first mile, doing 5:10 to 5:16. But then the steep hills of the long 5.1 mile course started to take their toll, and UCSD runners moved into the better positions. At the finish line Rob Bourret blazed into second place in 27:52, then came three UCSD runners and a Tijuana. Rich Holmes, Glen George, and Bill Gould finished in 7th, 8th and 9th in 28:54, 29:05 and 29:13 respectively. Eric Kroevaar paid the stiffest penalty for his early burst of speed, finishing 17th in 30:39. Randy Field came in 18th in 30:58, Brian McLain 23rd in 33:18 and Dave Drum 24th in 33:35.

The most important part of the cross-country season is now here. Tomorrow Caltech will host La Verne and archrival Claremont. Next week Caltech hosts the SCIAC Finals, and the NAIA District 3 meet is the

following week. If Tech beats Claremont we will stand 3rd in the conference in regular season meets.

"We'd really like to see some people come out and watch the race" commented team captain Rob Bourret. The home course is in the Arroyo Seco. People interested in seeing the race should take California Boulevard west until it ends, turn right (on Arroyo Drive) and proceed until they see a driveway on the left leading down into the Arroyo. The meet takes place down there. A sign at the driveway says "Lower Arroyo Park." Starting time is 10:00 am.



Cat Lovers take Note

Looking for a gentle person to board my cat with for 6 days, beginning November 12th. Will provide cat's food plus generous remuneration. Please call 793-5483 in the evenings.

CLASSIFIED

Professional typing by Executive Secretary. Thesis, reports, term papers, MSS. Spelling and corrected. Fast, dependable. 441-1410.

CONTACT LENS WEARERS. Save on brand name hard or soft lens supplies. Send for free illustrated catalog. Contact Lens Supplies, Box 7453, Phoenix, Arizona 85011.

Second-Class Postage paid at Pasadena, California. The California Tech is published weekly except during examination and vacation periods by the Associated Students of the California Institute of Technology, Inc., Winnett Student Center, Caltech 107-51, Pasadena California 91125.

Ask a question about money. We'll give you a full report.

If you have a financial question you'd like answered, Bank of America is the place to come.

In fact, we can probably give you a full report on the subject.

That's because our Consumer Information Reports cover a wide variety of banking subjects. Including, "A Guide to Checks and Checking," "How to Establish Credit," "Ways to Finance an Education," "Rights and Responsibilities: Age 18," and more. They're free at our branches.

Of course, we offer a wide variety of other banking services you might find useful. Like College Plan® Checking. And if you qualify, Student BankAmericard® Visa® and Instant Cash overdraft protection.

You see, we figure the more you know about banking, the more likely you are to bank with the bank that can do you the most good.

Quite a few Californians think that's us. And we're hoping you'll come to the same conclusion.

Depend on us. More California college students do.

BANK OF AMERICA 



Bank of America NT&SA • Member FDIC