

Installed Without a Hitch

Speak now or

We Have You Now

by Ray Beausoleil

The planning for Dr. Marvin Goldberger's Inauguration began last April with the Convocations Committee, headed by Bob Oliver, and Mr. Jim Black, Executive Director of the Alumni Association. Due to a great deal of hard work on their part and outstanding efforts by the persons and groups listed below, the event proceeded exactly as planned.

The considerable burden of managing facilities for 5,000 people was placed squarely upon Jerry Willis, Manager of the Office of Public Events. The Inauguration crowd was about three times the size of a normal Commencement, so 4,300 chairs had to be provided, and a large canopy placed above the platform for the speakers and distinguished faculty and guests.

Perhaps the most impressive workmanship was exhibited by the sound crews. They designed a network or speakers to cover the entire Court of Man, and prepared a backup sound system, which when it was suddenly needed, was brought on line in only ten minutes. In addition, they set up elaborate sound systems in the Athenaeum; one for the Benny Carter jazz Concert on Thursday night, and one to establish audio capabilities

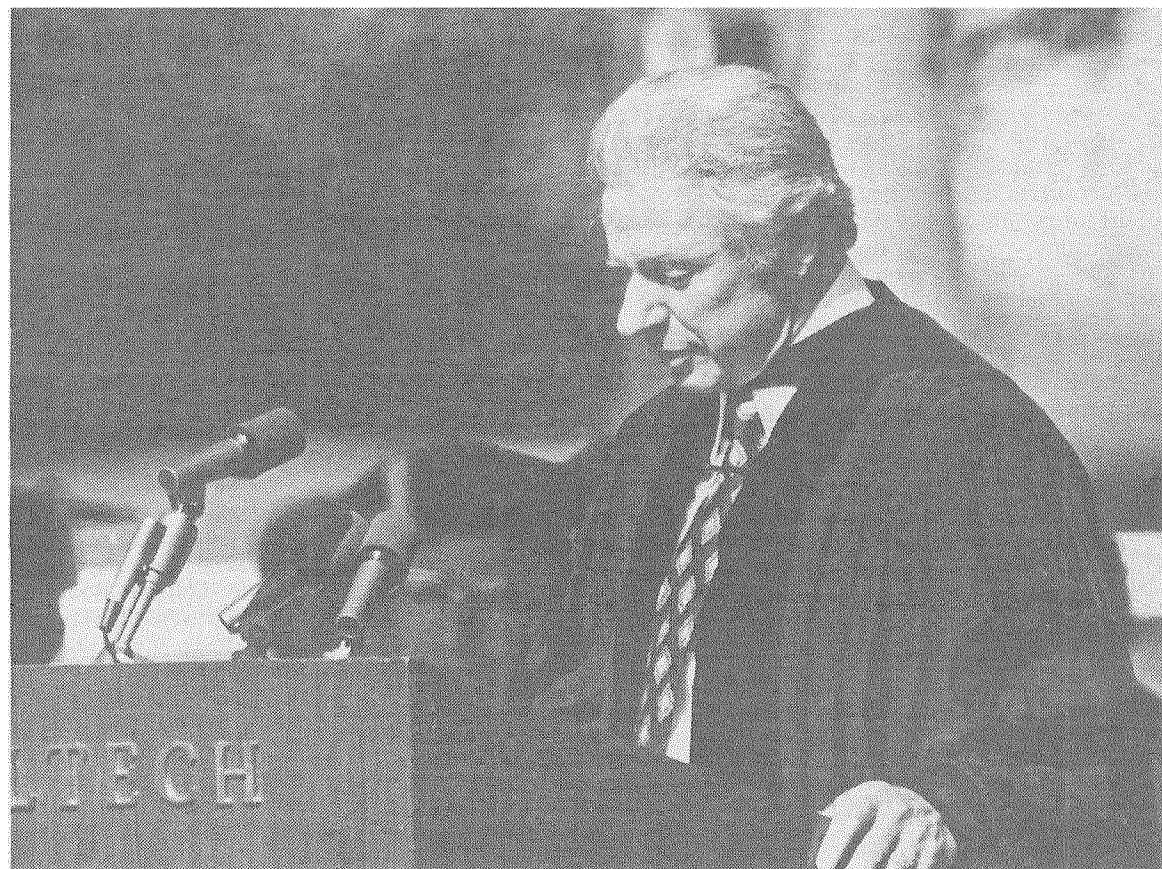


Photo by ed.

throughout the Athenaeum.

The monumental task of handling the necessary correspondence was handled beautifully by Kay Wright in Publications. Last June, she compiled a list of 28,000 of Caltech's "closest friends" (including 13,000 Alums, 1,250 Employees, and 1,700 Students) to contact in the first mailing. She then dealt with the responses to this and later mailings, and also coordinated the greetings from non-Caltech dignitaries and other Universities.

In Spalding, Kathleen Marks and her crew at the Post Office oversaw the outgoing mailings, and through a great deal of effort made sure that Caltech's students were invited at all.

Physical plant, led by John Durden, Ken Schmitz, and Al Heine, did an outstanding job of ensuring that the 4,300 chairs were set up (and dry) by Friday morning, the canopy and platform were properly constructed, tables, hangers, and coat racks were available for the academic dress, and the Athenaeum was adequately

prepared for the concert, dinner, and lunch.

The Athenaeum, through much labor, was able to comfortably take care of almost 1,400 diners within 18 hours. The Thursday night dinner, organized by Barbara Clark, the Social Events Coordinator for Public Relations, treated 540 people, while the Post-Inaugural Luncheon, coordinated by Phyllis Jelinek from the Alumni Office, accommodated 840 persons. Jean Bacher provided the table decoration, and banners from fourteen campus divisions adorned the dining halls.

The 400 caps, gowns, and academic hoods were secured by Lee Foster and his Bookstore gang. They made sure that the ordering and fitting was taken care of, and saw to it that extra items were available to cover the inevitable size difficulties.

The Inauguration called for an extra effort from Security, led by Lee Chapman. Not only did the parking lots and closed streets call for officers to direct traffic, but additional coverage

was needed for those parts of campus that are generally occupied on Friday mornings, and would be otherwise unguarded.

The Undergraduates were instrumental in executing much of the diplomacy and legwork: The Tour Guides were a bright and dependable resource, the Glee Clubs, led by Olaf Fordsham, performed excellently during the interludes in the ceremony itself, and several students aided in assuring that dignitaries and guests were able to arrive on time and report to their proper locations.

Approximately \$70,000 was budgeted for the meals, printing costs, Office of Public Events, Physical Plant, and the Inaugural Office. While some items were brought in under cost, it is estimated that the entire event will cost from \$10,000 to \$15,000 more than was budgeted. The largest additional expense came from the 300 or so extra people who were fed and the Thursday night concert.

Best Season Ever

C.C. 3rd in Conference

by Thor Feat

Caltech stomped Claremont 24-33 in cross-country last Saturday, and also beat La Verne 16-43. This puts Tech at 13-5 at the end of dual meets, the most wins in Caltech's history (from 1928). In the conference, Tech finishes 4-2 and in third place behind Oxy and Pomona.

The race was at home. Claremont was suckered into going out for position in the first third-mile, which is uphill on soft sand. They held that position up a single-file switchback up to the rim of the Arroyo, when Caltech began to run the enemy into the ground. Although Claremont's Gallagher was able to outdistance Caltech's Rob Bourret and win the race, Glen George caught the enemy's Boutin in the middle of the race, and Rich Holmes and Bill Gould passed Kevin White in the third mile, while Eric Korevaar and Randy Field easily beat the rest of Claremont's team.

Bourret finished 2nd in 26:18 for the 4.56 mile course. Glen George finished 3rd in 26:21. Holmes and Gould were 5th and 6th in 26:45 and 26:58. Korevaar and Field were 9th and 12th in 27:54 and 28:34. Other Caltech finishers were Dave Drum, 16th in 30:14; Shawn Larsen, 17th in 30:42; Stuary Meyer, 20th in 31:29; Brian McLain, 21st in 31:30; and Paul Eskridge, 24th in 35:05.

Tomorrow Caltech hosts the SCIAC finals at the Arroyo at 10 am. Oxy and Pomona will fight it out for first. Caltech will fight the Whittier and Claremont challenges for the third place. Observers can anticipate very tight and heated contests. As Coach Neal told his team, "You are ready to amaze everyone!"

Last Saturday marked the first ever home appearance of a full Caltech women's cross-country team. Frosh Camilla Van Voorhees covered the vicious 2.8 miles in 22:36.1 (official Caltech school record) for 8th place. Frosh Susan Gardner and junior Laura Wesson finished 10th and 11th in 24:28 and 24:47 respectively, coming in far ahead of the Scripps girls.

Beta Pi at the University of Washington, he graduated in 1965 with a Bachelor of Science degree in chemical engineering. He did graduate work at Stanford University as a National Science Foundation Fellow, receiving both his Master of Science and PhD degrees in chemical engineering. He also spent 18 months in the Department of Applied Mathematics and Theoretical Physics at the University of Cambridge, Cambridge, England.

In addition to winning the Colburn Award, Dr. Leal recently received the Technical Achievement Award from the Southern California Section of the AIChE.

Spend the Weekend in a Fantasy LOSCON 5

by Gavin Claypool

Loscon 5, the 1978 Los Angeles regional science fiction convention, will be held this weekend in the nearby Huntington Sheraton Hotel.

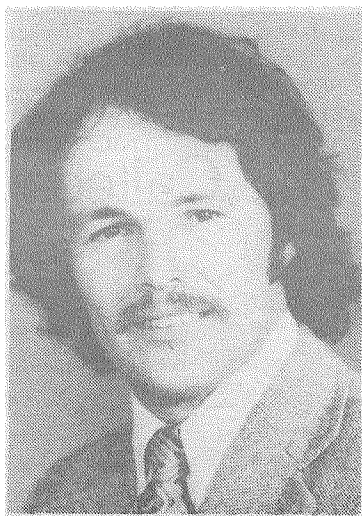
Programming will include the usual staples of SF conventions: films, panels, hucksters, a masquerade, pros, and fans. Robert Bloch, author of "The Hell-Bound Train," *Strange Eons* (to be published next year), and *Psycho*, is the Guest of Honor.

Featured authors will include Jerry Pournelle and Kathleen Sky ("Researching an SF Story"), Larry Niven ("The Science in SF: How Far Is It Fair to

Cheat?"), David Gerrold ("The Ultimate SF Television Series"), Katherine Kurtz ("The Deryni Background"), and William Rotsler ("SF as Parody"). Other panels scheduled on the topics of the pulp era, E. E. "Doc" Smith, and science fiction as literature.

The convention runs from Friday night to Sunday night. Films will begin Friday night, and include *Things to Come*; *The 5000 Fingers of Dr. T*; *Bell, Book, and Candle*; *What's Up, Tiger Lily?* (huh?); and *Scaramouche*. The masquerade will be held Saturday night, see *Loscon*: Page 2, Col. 3

Leal Receives Colburn Award



L. Gary Leal, professor of Chemical Engineering at Caltech, has been named to receive this year's Allan P. Colburn Award, which is given to a young chemical engineer for significant literary contributions to the field.

Dr. Leal will receive the award at the Annual Meeting of the American Institute of Chemical Engineers (AIChE) in Miami Beach, Florida, November 12 through 16.

The 1978 Award, consisting of a certificate and \$1000, is given to those members of the Institute under 35 years of age who have made significant contributions to the chemical engineering literature.

Dr. Leal, who is a native of Bellingham, WA, joined the CIT staff in 1970 to teach chemical engineering. A member of Tau

Random Numbers

Perhaps you've seen me wandering around with fake scars. Well, our poor editor now has some real ones. God got him for not publishing me last week. Actually it was probably not god. It was probably a disgruntled reader with a skill in voodoo. [Actually, it was the typist when I tried to make him type your last column.—ed.] I never dreamed that they were so ashamed of last week's efforts on my part that they wouldn't want all of those rich, super intelligent, Nobel laureate types who were here for Merf's inauguration to read my column. It's probably just as well, they probably wouldn't have appreciated the humour. You may not be aware of this, but it seems that although I hear nothing but gripes about the

food here, no one ever tells the people who have the power to do something about the problems. There's not a whole lot that your roommate can do so don't waste gripes on him—chances are he eats the same stuff you do. Well—this will be short this week. This is mainly because I have a little work to do and you have all of last week's column to read as well. I wonder why I ever thought that I'd have free time on the weekends here. I have to do my laundry soon. I'm running out of clothes. I find that between 1 and 3 in the morning is generally the best time. I hope you all got dressed up for Halloween. Congrats to Merf. Wasn't this nice and short?

Now for that midterm...

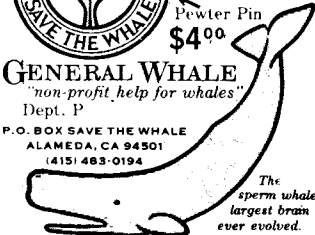
—Duncan G. Mahoney

Cat Lovers take Note

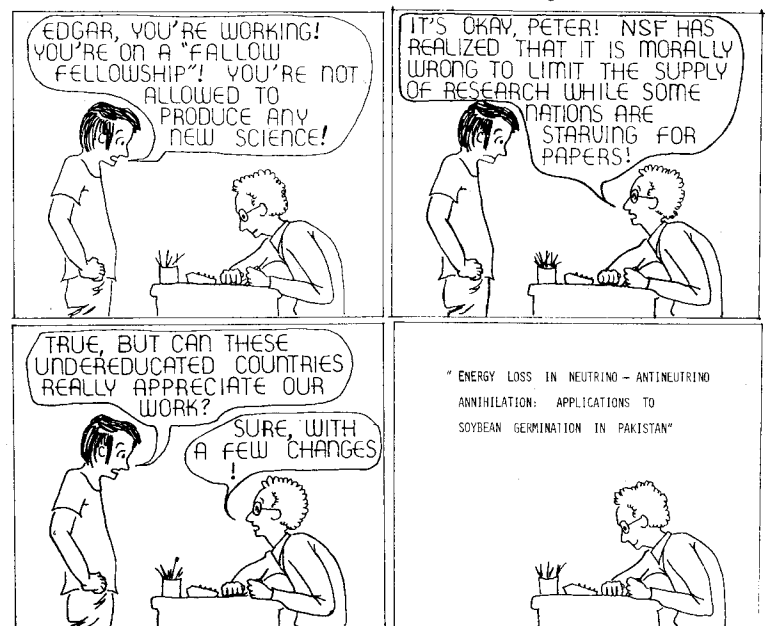
Looking for a gentle person to board my cat with for 6 days, beginning November 12th. Will provide cat's food plus generous remuneration. Please call 793-5483 in the evenings.

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Thuncan by P.M.



The Rest of the News

Grease Tickets!

Starting November 27, 1978, Chandler Meal Tickets will be sold at the Caltech Bookstore. Don't say you weren't warned.

Scientific Women

UCLA/NSF has designed a Workshop for current women graduate students in the sciences. The objective of the day-long program focuses on the practical aspects of graduate work as well as career entry planning and advancement.

Several Caltech women are scheduled to participate in the Workshop. Further information and/or registration forms may be found in the Placement Office, 8 Dabney Hall.

Spare Blood?

Once again the Blood Drive approacheth. The next one is on November 15 and 16 (Wednesday and Thursday), from 11:00 am to 3:30 pm, in Dabney Hall Lounge. It is useful (but not essential) to make appointments to donate blood at a specific time, so you won't have to stand in line dripping. For appointments, call Victoria Rose, ext. 2374.

Oh, yeah. One more thing. The student house with the highest number of donors will receive 1/2 keg of beer or appropriate substitute, as sort of a little pick-me-up for those left feeling weak after donating. Appointment cards and health cards are available in each of the houses.

Over 200 attendees are expected at Loscon 5, which began in 1975 with a one-day event celebrating of LASFS's 2000th meeting. LASFS meets weekly on Thursday nights at 11513 Burbank Blvd., North Hollywood, and is the sponsor of the annual Loscon.



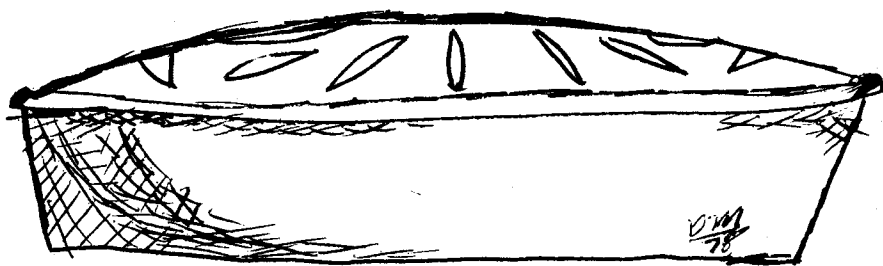
Loscon from Page 1

followed by dances of the English regency.

Membership for the weekend is \$10. There is also the 44th Anniversary Dinner of the Los Angeles Science Fantasy Society, with Ray Bradbury accepting the club's Forry Award on behalf of the late Leigh Brackett. Tickets are an additional \$10 for this Friday night affair.

The Caltech Y.....fly by

Wednesday, November 8, UPDATE NOON DISCUSSION SERIES. Dr. Noel R. Corngold, Professor of Applied Physics, will discuss the topic "Inside Simple Fluids" in Clubroom 1 of Winnett Center at noon. Bring a lunch.



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Friday Night

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Next Week:

bananas

The CALIFORNIA Tech

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Music Man Auditions Upcoming

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 Meridith 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!

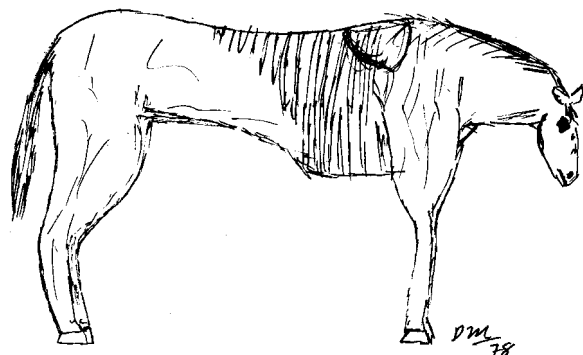
The orchestration is not too complicated. There are five reeds (No. 1, flute and piccolo; No. 2, B-flat clarinet, oboe and english horn; No. 3, B-flat clarinet, E-flat clarinet and soprano sax; No. 4, B-flat clarinet, flute and bass clarinet; No. 5, bass sax, B-flat clarinet and bassoon). There are three 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.

Steak Night



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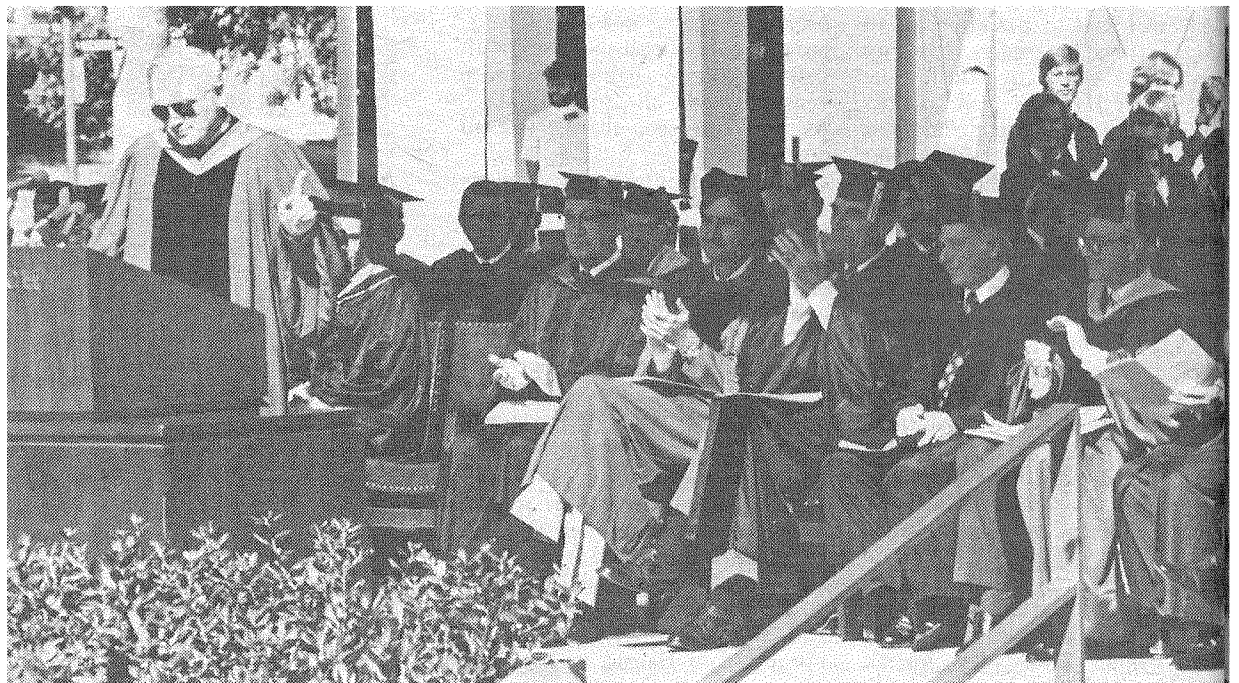
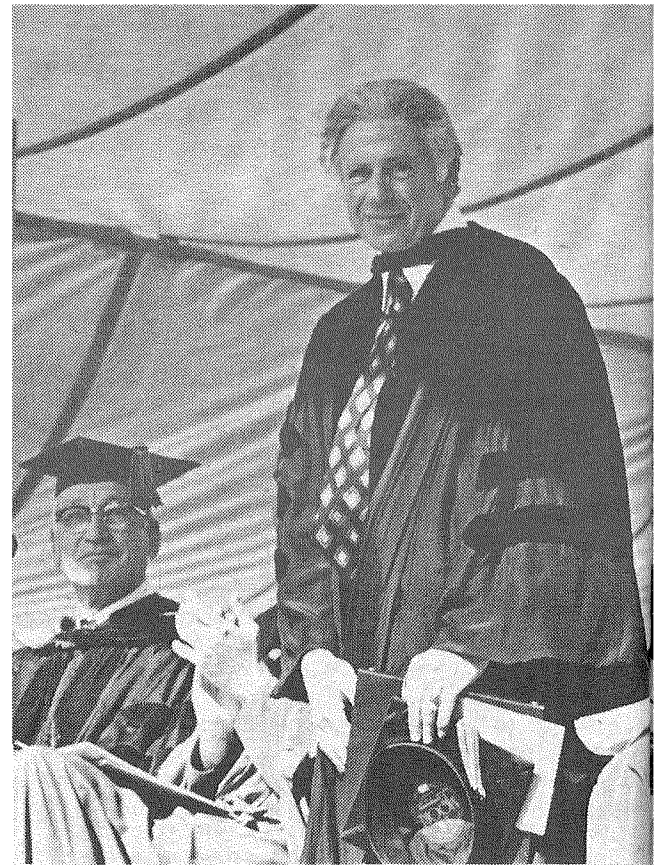
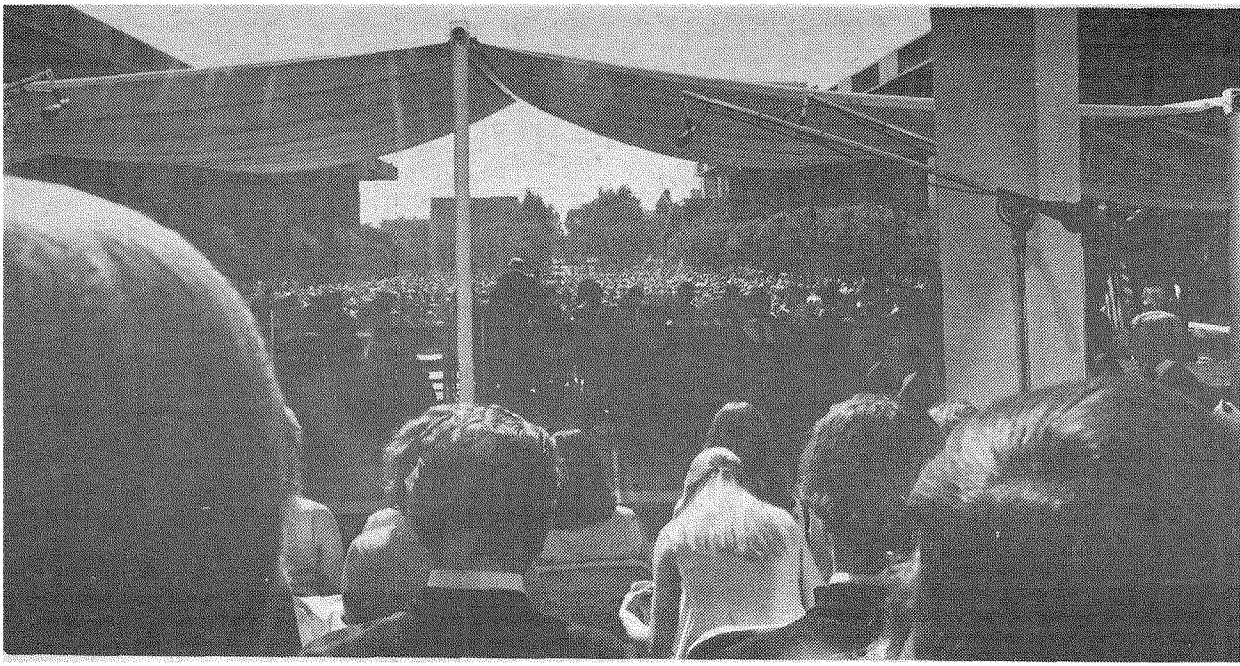
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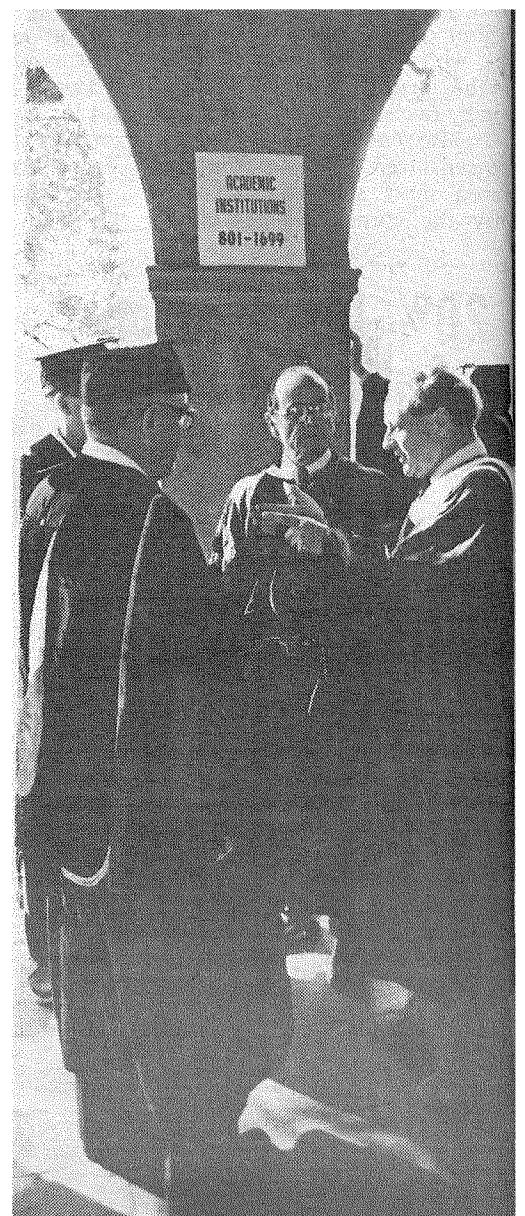
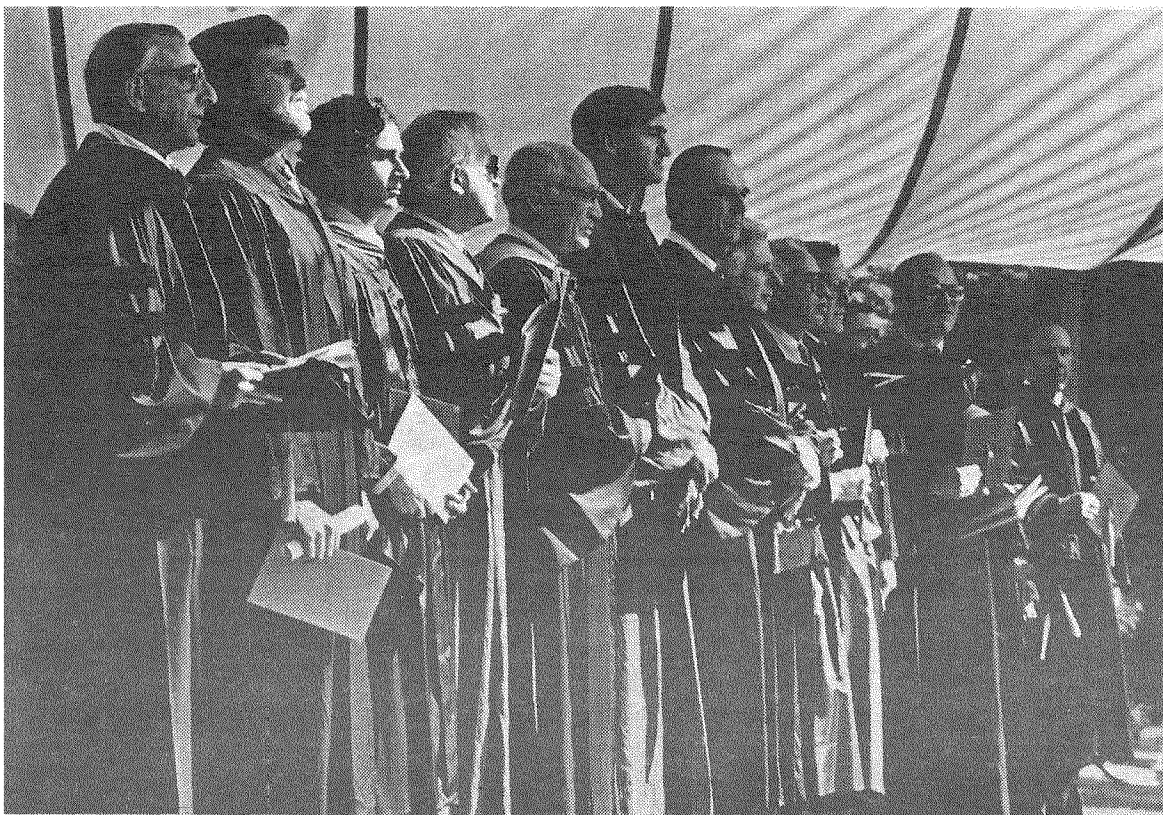
Free root beer float with dinner

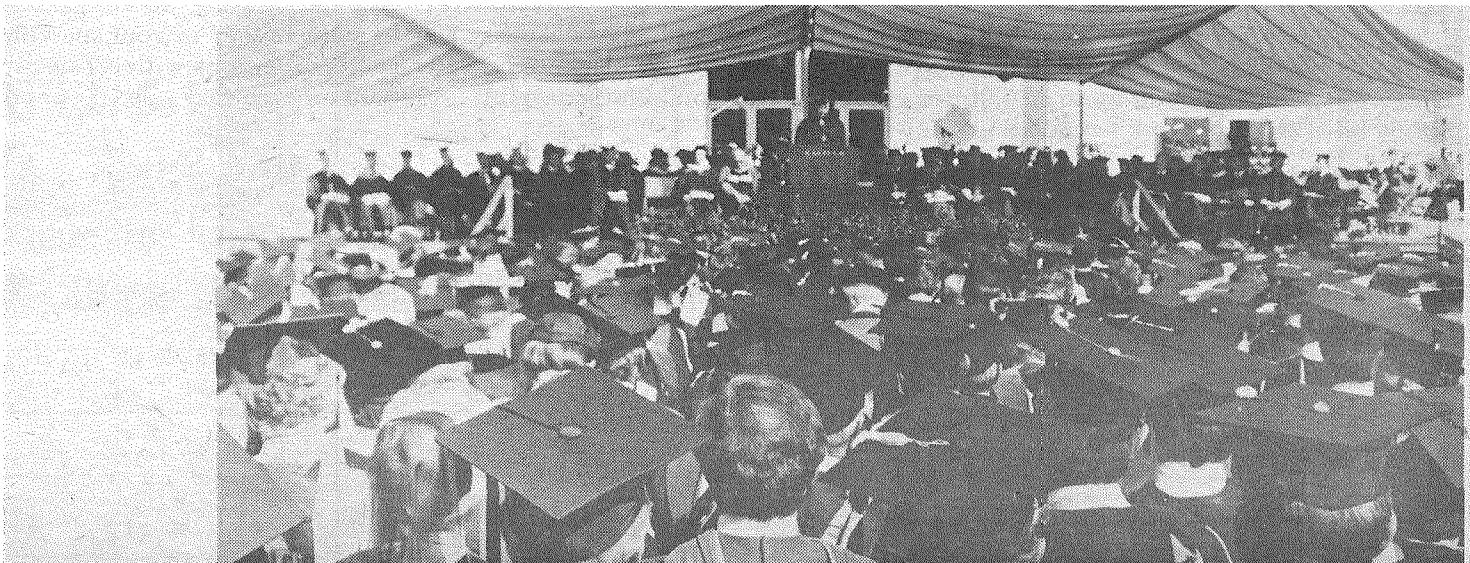
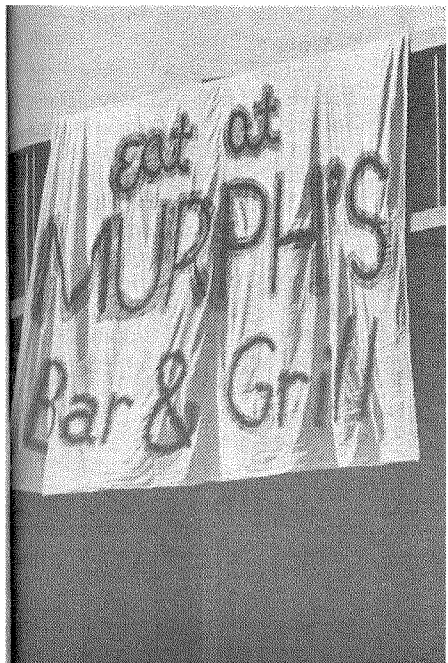
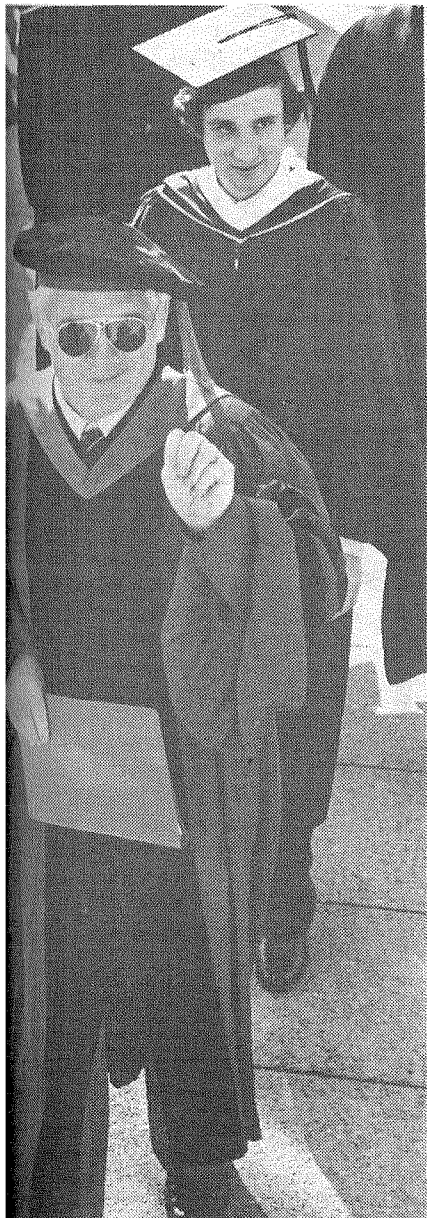
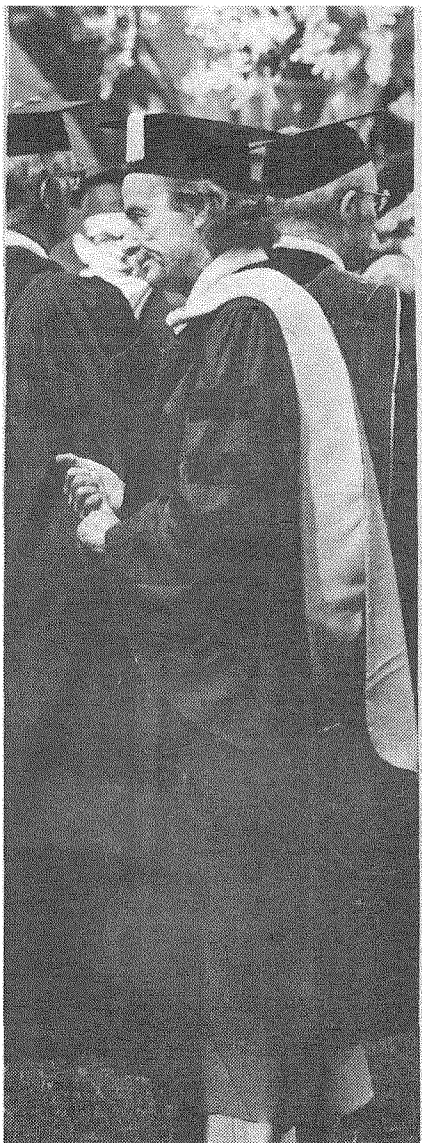
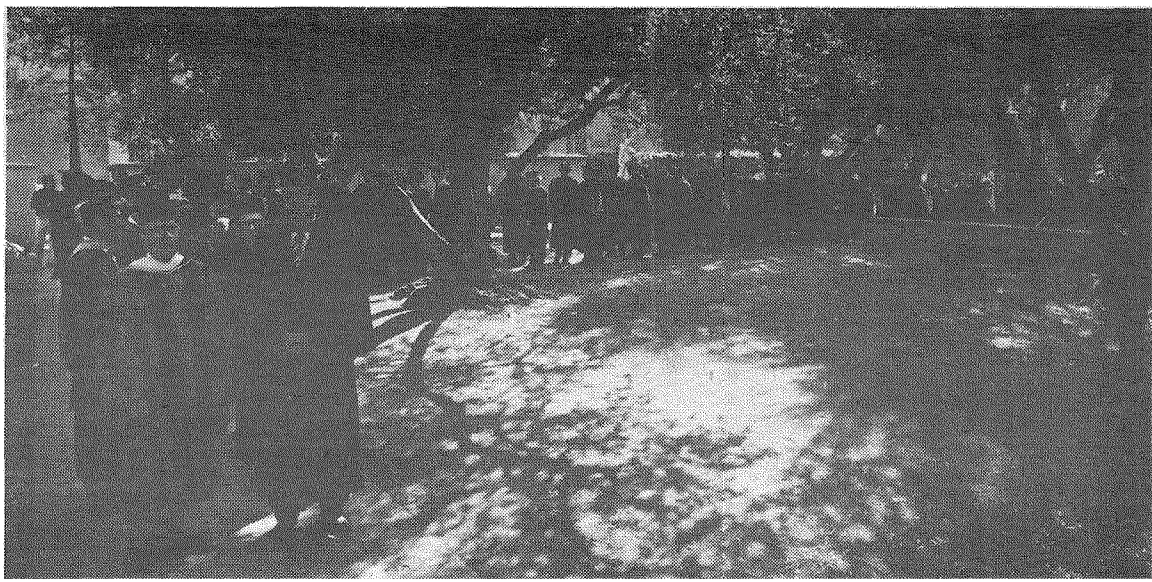
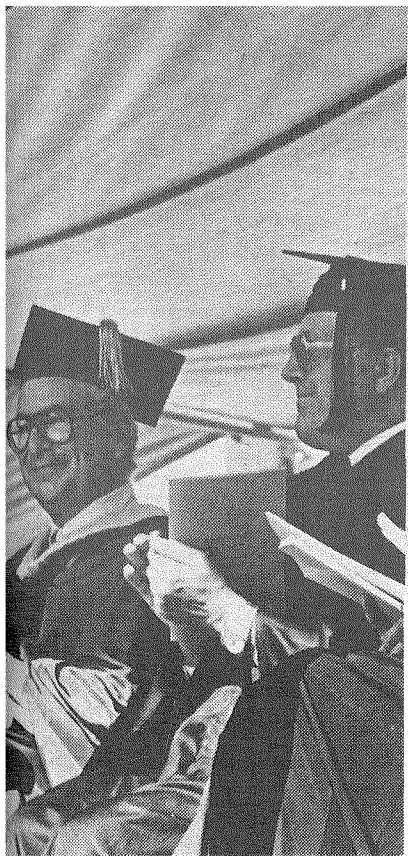
Attention Graduate Students: Tuesdays are Beer Days. Buy 1 pitcher, get the second one free!

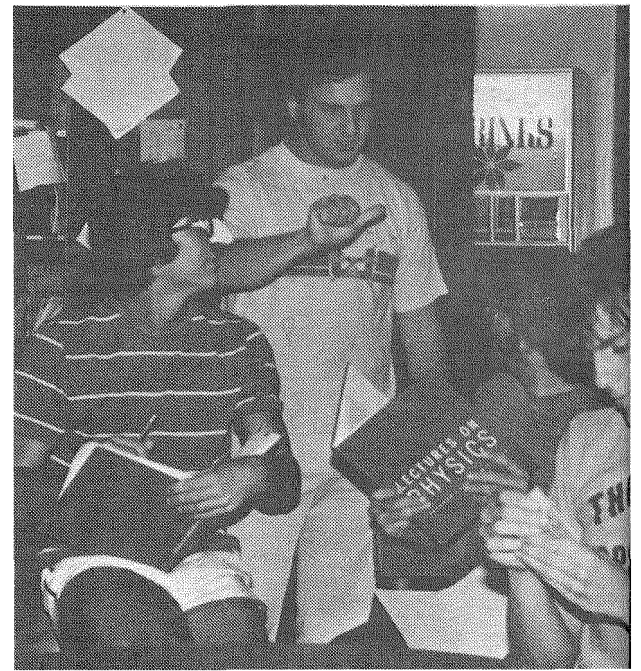
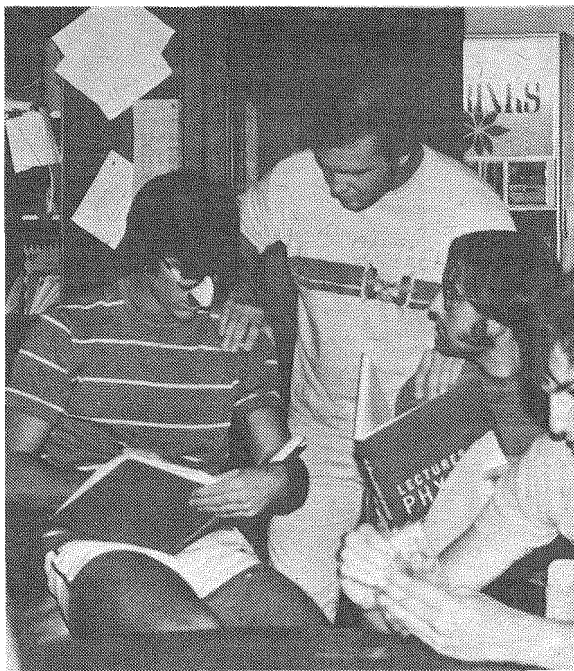
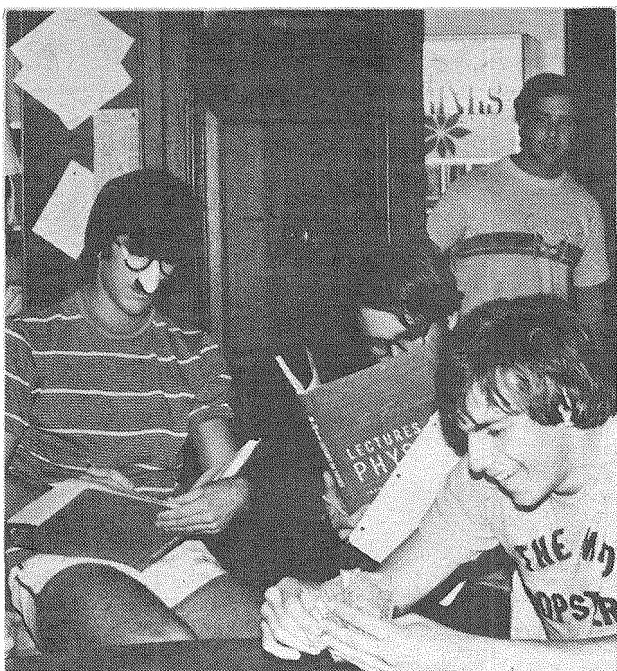
B.C. will still serve its regular menu.



Photos by
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Joe DiGiorgio
Dave Wheeler



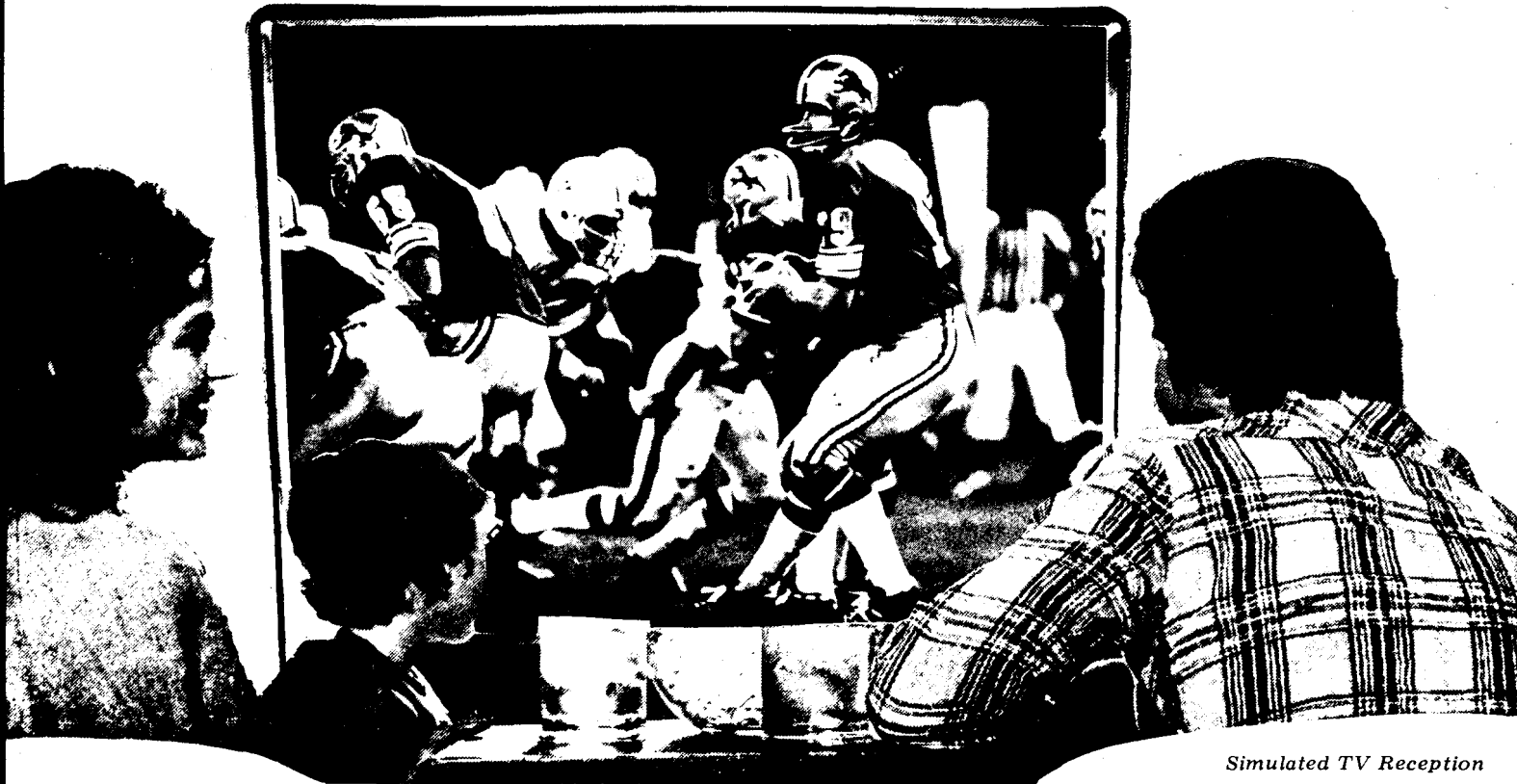




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Nurd b- Well, it's not precise but it will have to do.

UCC- Why don't you two cool it!

Nurds a&b- But we haven't corrected Chapter 22 yet!

UCC- Get outta here!

Kevin McCarthy

Stars Nov. 10

In "Harry"

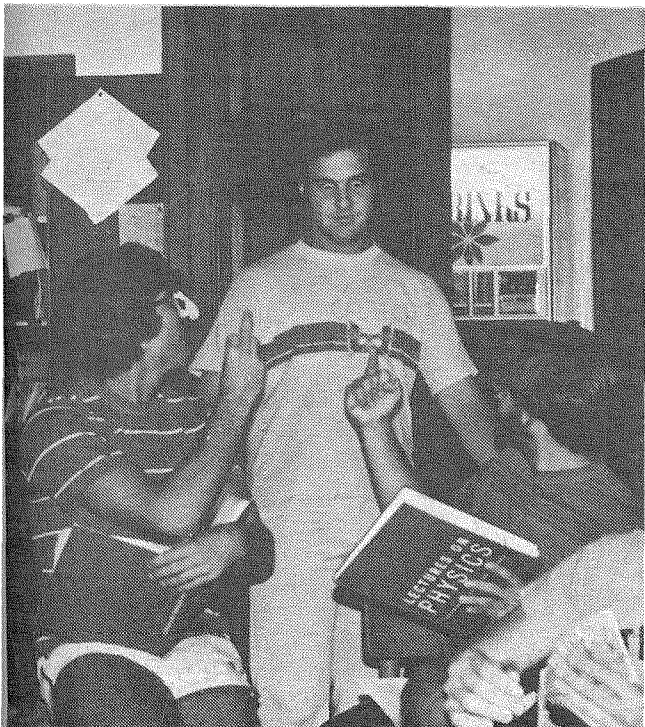
Kevin McCarthy will play President Truman in "Give 'Em Hell Harry," a drama by Samuel Gallu, in Caltech's Beckman Auditorium on Friday, November 10, at 8 pm.

"Give 'Em Hell Harry" is a one-man vaudevillian play based on the life of our thirty-third president. The play begins in the Oval Room of the White House and the scenes shift from the Senate to the French Vosges Mountains to Boston Symphony Hall and back to the capital's Mayflower Hotel. The program lists the "Cast (In Order of Their Non-Appearance)" including the ghost of Franklin D. Roosevelt and a certain California Congressman named Richard Nixon.

Kevin McCarthy has acted on stage, in movies, television, and radio drama. He opened the bicentennial year with another play on politics, Gore Vidal's "Best Man 1976," and some years ago took a role in "Advise and Consent." He won the Obie Distinguished Acting Award for "Harry Outside" in 1975 at New York's Circle Repertory, and in 1976-77 played opposite Mar Schell in "Poor Murder" on Broadway.

Samuel Gallu wrote "Give 'Em Hell Harry" shortly after the Watergate scandals. Its format—the "political cabaret"—may have originated from Gallu's post-World War II broadcasting of such satirical sketches for the Voice of America. The material for "Give 'Em Hell Harry" was drawn from research at the Truman Library in Missouri and from interviews with Truman's friends, family, and colleagues. The play had its world premiere in 1975 at Ford Theatre in Washington, D.C. before President and Mrs. Ford. The film of the play received an Academy Award nomination, and was also televised by NBC.

For ticket information, call the Caltech Ticket Office at (213) 793-7043.



Nurds a&b- How would you like some δ functions!
Hearts Player- I'll lead the King of Spades.



UCC- You don't listen very well do you ...
Bystander- He's so cute when he's angry.



Nurd a- Don't compress my HP!

Seielstad Looks At Universe From Outside

"Imagine that you are standing astride the entire universe, peering from the outside in" will be the challenge issued by radio astronomer George A. Seielstad in his Wednesday, November 8, lecture at Caltech. The lecture, entitled "From the Outside In," will ponder the future of humankind from a cosmic perspective, as Dr. Seielstad outlines where we stand in the universe—in place, in time, and in terms of natural evolution.

The popular lecture, one of the Earnest C. Watson Lecture Series, is free and open to the public. It will begin at 8:00 pm in the Beckman Auditorium on the Caltech campus.

Dr. Seielstad, a research associate at Caltech, will describe the earth's modest place in an immense universe of star-filled galaxies, and he will place in perspective humankind's evolution, which took place in only a "tick of the cosmic clock."

Our evolution has brought us to a critical point, Dr. Seielstad argues, in which our powers to affect our environment may result either in our becoming a truly universal society, or perhaps in our abrupt end as a race.



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The Advanced Components Laboratory
The Materials Characterization Laboratory & Facilities
The Advanced Technology Laboratory
The CCD Technology Laboratory
The Physical Sciences Research Laboratory

Areas of Activity

Materials Preparation/Crystal Growth
Materials Characterization

Component Development, including:

Charge Coupled Devices
Magnetic Bubbles
Surface Acoustic Wave Devices
Infrared Sensors
Semiconductor Logic and Memory Devices
Liquid Crystal and Electrochromic Displays
Microwave Devices

Process Development, including:

Electron Beam Patterning
X-ray Lithography

Plasma Processing, including:

Chemical Vapor Deposition
Ion Implantation
Systems Development
Computer Systems
Speech Systems
Memory Systems

Live in Dallas

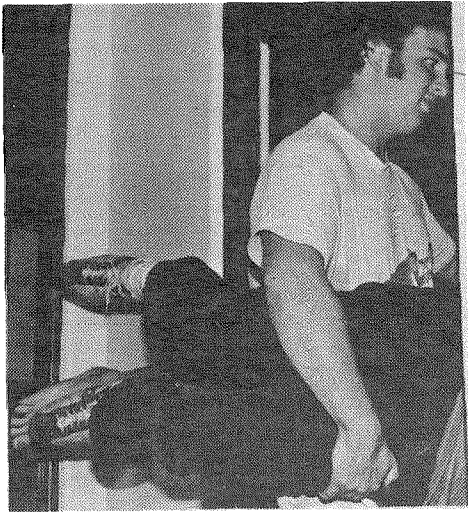
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**CAMPUS INTERVIEWS
November 10**

If unable to interview at this time, send your resume in confidence to: Helen Meltzer/P. O. Box 225474, M.S. 217/
Dallas, TX 75265.

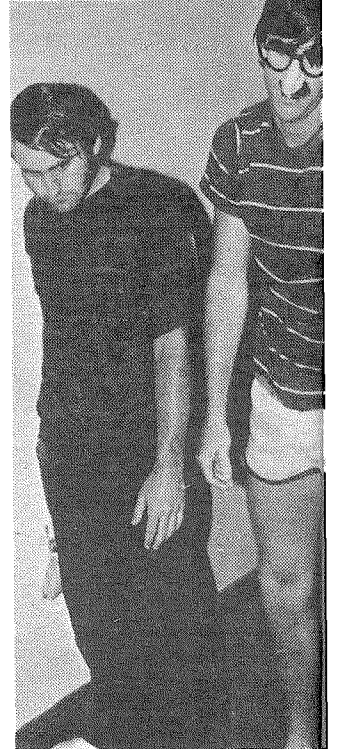
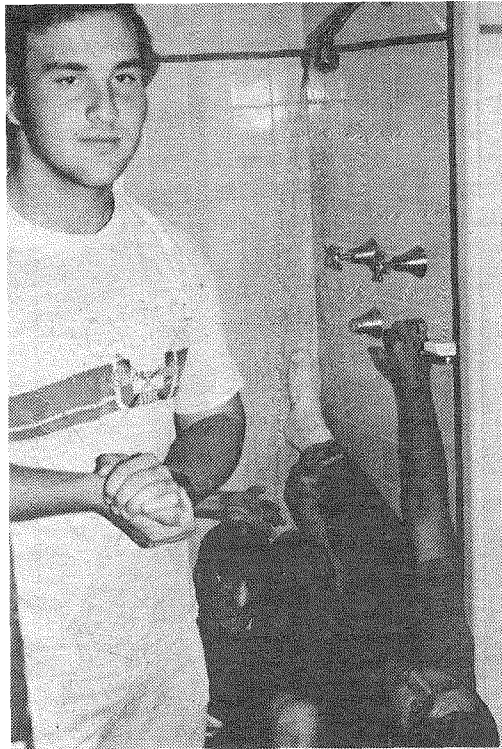
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