DROP DAY!



Do It Today...

Volume LXXVI

O Blinding Light. . .

Pasadena, California, Friday, December 6, 1974

Number 10

Beckman Hosts Extravaganza

by Flora

The Caltech Glee Club will present its annual celebration of the holiday season, The Festival of Light, tonight and tomorrow at 8 p.m., and Sunday at 4 p.m., in Beckman Auditorium.

Four of Caltech's choral groups-Men's Glee Club, Women's Glee Club, Chamber Singers, and Apollo Singers-will join together under the direction of Olaf Frodsham, Director of Choral Music to perform in music and pageantry the Hanukkah and Christmas stories. Other Caltech groups performing will

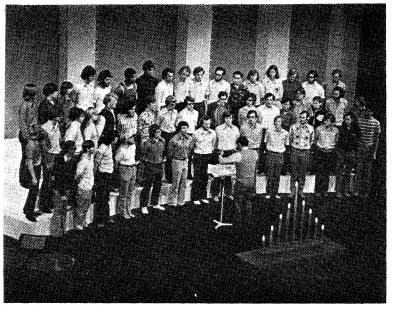
be the Chorale, who will be in the tableaux scenes, and the Brass Ensemble.

Highlights from the program include the lighting of the Menorah and the portrayal of the Nativity pageant. Some of the music includes: Rock of Ages and S'vivon (The Dreydl Song), traditional Hebrew melodies; some of the Propers for Midnight Mass by Jan Smit; A Ceremony of Carols by Benjamin Britten, Carol of the Drum, and many tradional Christmas carols.

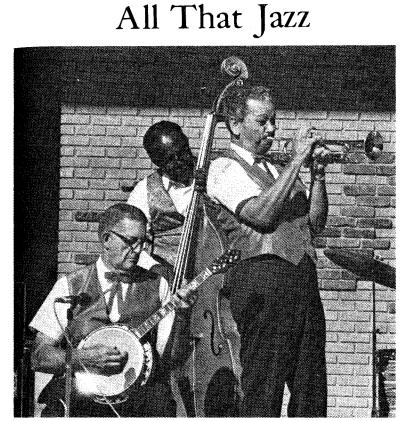
There are a very few tickets left (at the time of this writing) at \$2.50 for students and \$3.00 general admission. Call x1652 for information.

Drop Day

is Today



THE MEN'S GLEE CLUB during preparations for the Festival of Light program to be presented this weekend. Photo by G. Bone



DIXIELAND and New Orleans marching music highlighted a concert by The New Orleans "7" on the Olive walk. Photo by Rich Feldman

Save Energy--Sleep

by Silverstein

of hearing about energy, short- subject gives exact figures and is ages, and conservation. It is a good summary of the current showing up quantitatively. For situation. more than a year now Caltech has been vigorously fostering a utilities conservation program which has included regular Energy Conservation Bulletins from Physical Plant, and "shut the lights" stickers, and the placing of an energy use billboard on the Quad (which is now in the shop undergoing refurbishing) [the billboard, not the Quad]. Even though the purpose was supposedly altruistic, i.e. "setting an example for the Pasadena community" and helping ease the country's shortages, the programs worked--so well in fact that just this week Caltech received from the Southern California Gas Company one of very few Concern Awards. Electrical power use dropped 20% and a significant amount of money was

saved over the past year; Dr. Probably you are all very tired Brown's recent memo on the

During the last few months, however, energy consumption by the campus has risen almost to pre-program levels. According to Phil Rector, Director of Physical Plant, the rise is attributable mainly to individual usage and not to any unavoidable seasonal increases. All of the energy-saving measures implemented a year ago, including deactivating many extraneous lighting fixtures and lowering ventilation fan speeds, are still in effect.

Confused Yet? **Active BOD Member Profiled**

by G. Simay

Since the ancient days when ASCIT incorporated and declared bankruptcy, the BOD has been the butt of countless jokes. True, ASCIT enjoys only rare sucess as an initiator of social events. Yet, on a campus where student life centers in the Houses, we should judge the BOD by different standards. We don't have the social program of a Behemoth U., but neither does Behemoth U. have an honor system or a student officer to oversee it. We shake our heads over the Country Joe disaster, but do we remember the Rhodes years, when the student curriculum was made far more flexible?

The BOD's most solid work is often behind the scenes and long range. Its mistakes are transient and highly visible. We hope the following interview will highlight the work of one BOD member: Jon Teich, Director of Academic Affairs.

In a nutshell, Jon, what are your duties?

I deal with any matter pertaining to the academic policies governing undergraduates. also the BOD's general ľm

liaison to the various Faculty Committees, so I keep track of who all their student members are. But generally, my duties aren't highly structured.

Do you have to wait for issues to be brought before you, or can you initiate action?

Part of the time I have to initiate action. One example of this, the Teaching Quality Feedback Report (TQFR), attempts to evaluate courses taken by undergraduates. Thus, it also provides the faculty with student feedback.

Are you satisfied with the present state of the TQFR?

I believe it's proves very useful; it should definitely be set up on a continuing basis. However, we do want to get a larger response from students as well as ideas from faculty about the report.

You mentioned "we" in your answer. A committee assisted you, then?

Right. Part of this group was the Educational Policies Committee (EPC). One of my specific duties is chairing the EPC, composed entirely of students. It was originally designed to handle



course complaints, although nowadays they're few and far between. It's still a good idea, though, for each House to send a representative to the EPC. Currently, only Blacker, Dabney, Fleming and Lloyd have done so. This year, the EPC's energies are mainly focused on a number of projects.

you describe these Could projects?

We're currently preparing a booklet that will describe the various academic alternatives and opportunities open to students. For example, how does a student go about dropping a required course? When should he petition the Curriculum Committee? The Academic Standards and Honors Committee? What must he do if he wants to attend another school for a term? We will explain the Independent Studies Program (ISP) in some detail. Most students contemplating the ISP don't realize they can take courses on another campus and even select one advisor from another campus. The booklet should be out third term.

We're also looking into the possibility of Pass-Fail grading on certain Institute requirements not presently having that status, such as Ma 2 and Ph 2.

New Targets

As Dr. Brown explained in his memo, Tech is now starting a new conservation program as a continuation of that of the past year. New measures are being implemented and the approach will be more organized than

Continued on Page Two

INDIAN DANCER performed during an exhibition of Indian art and culture in Winnett Center. Photo by R. Gildner

Speaking of grades, what is the status of the A-B-C-No Credit idea?

Two summers ago the Director of Student Life researched this grading system for ASCIT. He found that most graduate schools had a jaundiced eye toward such a system. Since most students who apply to graduate schools do not have F's on their transcript, their chances of admission would be hurt, not helped. Also, the No Credit system hurts those students who'd be content with a D, or who couldn't take the course over again for credit. We will, however, look further into this system if it gets strong support from the students.

Does the EPC have any connection with the faculty's **Continued on Page Seven**

Page Two

Beall's BOD



from the cerebrum

by Wayne Baxter

Out the window the sky was a cold slate. Winter had begun to settle its sullen mood on the once-bright campus. The freshman gazed at the featureless grey and the fading foliage deepened his melancholy. Happier memories alternated with innumerable impressions of his first weeks in college.

Midterms had been taken; finals were next. The pretty pictures he had seen, the rosy reports he had heard were just a facade. A top-notch, first-rate college, or so they had said. Where would it get him? How many years before his education was forgotten or became obsolete? Were all the academic and psychological pressures worth it?

Studying took all his time. The outside was a no-man's land where the spectre of schoolwork stood sentry, prohibiting the self-appointed convicts from leaving. For all he knew, there was nothing else. Even the reality of home had been replaced by the weekly stack of stamped and cancelled bits of paper.

True, his family had been down one weekend, to inspect their twenty thousand dollar investment.

"How'd the tests go?"

"Not too good, but I passed." "Don't feel bad, remember you're in the top one percent." How often had he heard that? It almost seemed to be used as an excuse for failing. "But I was in the top!" So, you failed anyway; what does it matter?

He had told his family he was thinking of transferring; after all, this wasn't the only college that had accepted him. They encouraged him to remain, reminding him he was no failure. His family just couldn't feel his frustration. How far away were they? Four hundred miles? Three thousand? All he knew were the letters without faces nor place, vicarious images of his former world.

His world had changed, the students around him were all alike. There was no one he could yet talk to in a personal manner. There were only the letters from his old friends, which seemed to come less and less frequently.

Christmas lay only a few weeks ahead, and he ached to return home. His scattered high school buddies would converge for an impromptu six-month reunion, but they would all be changed too, so it really wouldn't be the same, though it might be fun if they all wanted to live in the past as he did.

At least his girl would be there. Yes, he wrote her often, even called her a couple of times, but still he couldn't see her, except in two-dimensional form in a poorly taken Senior Ball snapshot, but it was priceless anyway.

He was homesick, and sick of home. College had him fettered with the help of insistent parents and the inevitable shame to be received from transferring, unless he changed fields and then claimed the other college would be better. People would still think it had all been too much, and even if no one cared, he would still be ashamed. Time might cure such a scar, but he didn't want to chance it. But why should he continue brooding? Or was he finally seeing reality? To be euphoric about the whole mess would be to fool himself. But maybe it's all nonsense anyway.

Oh well, time for class.



A news company pays \$15,000 to film student life; someone rents a whale to grace the Court of Man. Nevertheless, the Health Center closes down over the weekend, turning out at least one person recovering from infectious mononucleosis. Is this what it's like to be "at the leading edge"?

-Dick Beatty

Managers Get Salary Anyway

by Marie Beall

The fastest quorum of the year appeared in Clubroom Two on Friday, November 22. Lots of donuts were in attendance, supporting the Anderson theory that where there are donuts, a quorum cannot be far behind. After a few minutes of munchies, things commenced.

Nominations for election chairman were closed with two names in the ring: those of Jill Evensizer and Mark Kuber. Inter-

Energy

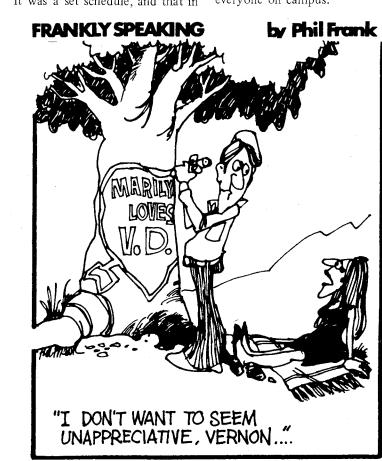
Continued from Page One

previously. It was proved last year that by voluntary cooperation of the departments and students at Caltech a reduction in energy usage can be painlessly achieved. Target levels of daily KWH usage have been established for every building on campus for the future, based on the January to July rates of this year, and Physical Plant is now in the process of meeting with the various departments on campus to work out conservation measures.

Last year many lights were turned off or removed haphazardly. Now there will be a reassessment of lighting levels and distribution campus-wide following suggested General Services Administration minimums, in the hopes of increasing savings further while maintaining reasonable standards. Also, there are right now in test use about 100 "phantom tubes", i.e., capacitors parallel to a single fluorescent tube in two-tube fixtures to give better light distribution in corridors.

Shut It Down!

For three years now, Tech has been "turning off as much of buildings systems as possible (including ventilation, lighting, heating & cooling), according to weekly schedules, to save energy. Mr. Rector explained that this was still not satisfactory because it was a set schedule, and that in



views with these foolhardy souls were conducted later in the week. After some mumbling about censuring Massey for making a fuss and then not applying, the issue was dropped.

Some members of the ASCIT Musical production staff came and ate a few donuts while telling the BOD about what a worthwhile activity the musical is. If you still feel that there is something wrong with *The Student Prince*, talk to Tim Erickson

the future it will be possible for building supervisors to turn their systems on and off on short notice simply by calling Physical Plant. The Plant will make the effort to do this in return for supervisors shutting down any systems when they are not needed.

The conservation program, by saving utilities, has in turn saved Tech a lot of money. The latter is even more immediately significant for us than the former; as Dr. Brown pointed out, the money saved will be put to use in many other ways that will benefit the Caltech community. Even though none of the departments on campus pays for its general utilities directly, the benefits that will be afforded everyone on campus should provide sufficient motivation to cooperate with the conservation program. With that in mind, the Institute will continue cutting back on utilities as much as possible, indefinitely, including not only electricity but also telephones, natural gas and oil, and water (in that order of priority).

Individual use and abuse of utilities *does* make a difference. Individual cutbacks (like turning off the lights and flushing once) were largely responsible for the "dramatic" drop last fall and even more so in reverse for the slow rise over the summer. As Mr. Rector said, "we need the assistance and involvement of everyone on campus." (Ru O/C).

Money and other goodies were showered on the Coffeehouse, mainly in the form of matching funds for any profits obtained, and a guaranteed salary for the manager(s) of 600/year.

After some discussion on other topics, including the inability of a Certain Person to add, the meeting ended. ASCIT will exist again today at 4:00 in Winnett Lounge, hopefully with donuts.

The IHC has been lying fallow lately. Kleckner says that most of the house presidents are eagerly awaiting elections. A rumor does exist about how a Certain Person failed to pay for a food service meal. The rumors are being checked at this very moment, so stay tuned.

The Educational Policies Committee is described in other articles in this week's *Tech*. The Executive Social Committee was last seen giving each house \$100 for Interhouse, and the ASCIT Excom is still wrestling with bylaws revisions.



The CALIFORNIA Tech Friday, December 6, 1974

Volume LXXVI Number 10

Published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Incorporated. Opinions expressed in all articles herein are strictly those of the authors and do not necessarily reflect the opinions of the editors or of the corporation. All rights reserved.

Staff David Angulo, Dick Beatty, Flora Boyer, David Callaway, Young-II Choo, Marc Donner, James Llewellyn, Phil Massey, Dick O'Malley, Peter Pathe, Chris Russell, Etaoin Schroedlu, Paul Shubert, Alan Silverstein, Dave Sivertsen, Nick Smith.

Tora! Tora! Tora!

THE ASCIT FRIDAY NIGHT MOVIE

7:30 p.m. One showing only! in Baxter Lecture Hall

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

Special Saturday showing!

Film starts about 7:30 a.m.

© COLLEGE MEDIA SERVICES BOX 9411 BERKELEY CA 94709

PhotographersGreg Bone, Bobby Bus, Ray Feeney, Ricky Feldman, Gerald Laib, Dirk Pellit, C.N. Pow, Terry Sheehan, Chris Wheeler, Ken Yoshida.

Business Manager Gavin Claypool Circulation Manager .John Dilles

The California Tech publications offices are located in Winnett Center (105-51), California Institute of Technology, Pasadena, CA 91125. Telephone: 795-6811, x2154. Printed by News-Type Service, 1506 Gardena Avenue, Glendale, CA. Represented for national advertising purposes by National Educational Advertising Services, Inc. Second class postage paid at Pasadena, California.

Subscriptions\$1.50 per term\$4.00 per year Life Subscription\$100

Smithnik Promotes War

by Nick Smith

Some of you may have seen the strange notices that appear in this paper from time to time mentioning miniatures simulations games. In case you don't know just what that might be, I shall explain.

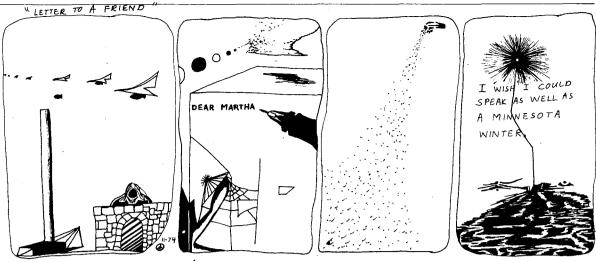
Many of you have seen games of various sorts, I hope. Anything from chess to Risk will do for a starter. In any case, in any game of military strategy or tactics, each side controls to some extent what he does, and theoretically the more skillful player wins. There are just a lot of details that you can't get into a board game, at least not one with any semblance of playability. That is where miniatures come in.

There are many types of miniatures games, but they all have one thing in common: the ability to simulate in detail the situation at a single battle of a larger war, whether in the time of Napoleon or Rommel. In the case of naval miniatures, the game is able to simulate the individual ship commands that sometimes decide battles or entire wars. You get a feel of just how difficult it is to plan what you are doing in a battle, albeit without the added pressure of being personally killed.

In the miniatures games Winnett Lounge Sunday evening

played here, there is usually some skill involved, although the basics of the game are simple to learn. For example, the mechanics of the game can be explained in a few minutes, but that does not teach you how to dodge a spread of incoming torpedoes, or get a Zero off of your plane's tail, or a number of other things. Anyway, stop by sometime and see if it looks interesting.

News Briefs



Finals Are Soon But Listen Anyway

Sunday, December 15, 1974, The Caltech Wind Ensemble, under the musical direction of James Rotter, will present concert works by William Schuman and Peter Mennin, in addition to woodwind ensemble works by Beethoven and Burnet Tuthill, at 2:00 p.m. in Dabney Lounge (Chester and San Pasqual, for those of you who are lost) here on campus. William Bing will direct the Caltech Jazz Band on the same program. There will be no admission charge.

And a Vun, And a Three...

There will be a guitar mass in

at 7:30 p.m. This will be the last one of the term, so don't miss it.

Come And

Get Pearled

There will be a combined air-naval simulation miniatures game in Dabney Hall Lounge this Saturday evening at 7:30. It looks suspiciously like it might have something to do with a fleet getting caught in harbor...

Smog Device Questions?

If you own or anticipate buying a 1966-1970 automobile with registration in Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara or Ventura counties you are presently required to install a state-approved smog device. A fact sheet on the smog device program describing the installation procedure, restrictions, exemptions, and devices and much more is available at E.Q.L. (Environmental Quality Laboratory) 3rd floor Dabney Hall, as a service of the Clean Air Car Project. Be sure to pick one up, as violations of this law *begin* with a \$50 fine.

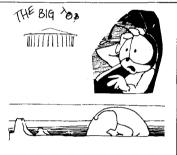
Emeritus

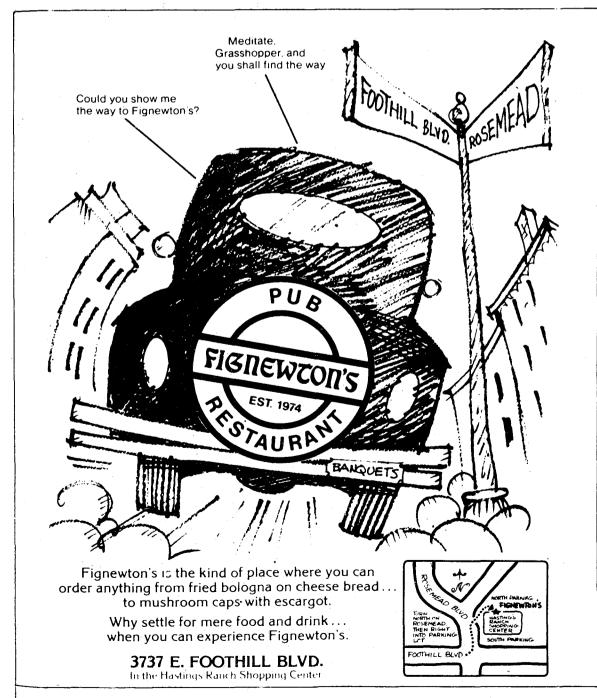
Honeymoon

Dr. Lee A. DuBridge, president emeritus of Caltech and former presidential science advisor, married Arrola Bush Cole last Saturday in Scituate, Mass. (wherever that is). Dr. DuBridge, as some of you may remember, was Institute president for a number of years, and Dr. Brown's immediate predecessor.

The newly married couple will be in Laguna Hills for the next few weeks, after which they will be leaving for an around-theworld honeymoon on the *Queen Elizabeth II*.

Live long and prosper, Dr. and Mrs. DuBridge.







FUN & FUNKY ENTERTAINMENT Wednesday through Saturday

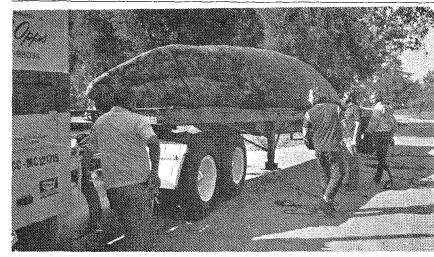
10% Discount on All Food Purchases with Student ID

Offer good through December 30, 1974

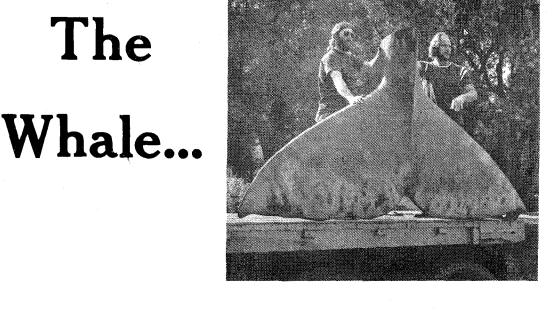
Page Four

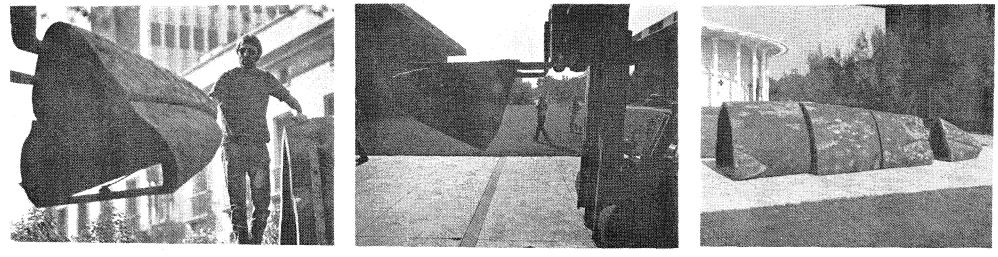
THE CALIFORNIA TECH

Friday, December 6, 1974

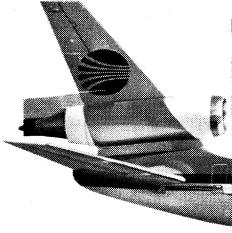


Photos by G. Laib and C. N. Pow

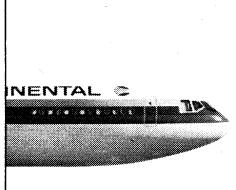




Another Continental Discount Fare:-







You come out ahead because we really move our tail.

Believe it or not, our Chicago Standby Discount Fare on selected flights is only \$104. And we have Standby Discount service to other cities, too:

	* ~ ~	
PHOENIX	\$ 29	SAVE \$13
DENVER	\$ 55	SAVE \$24
service to other cities, too.		

KANSAS CITY

\$ 85 SAVE \$31

We're also the only airline with Economy Discount Fares throughout our route system—another way to save, just for skipping a meal. And we have Night Coach Discount savings besides:

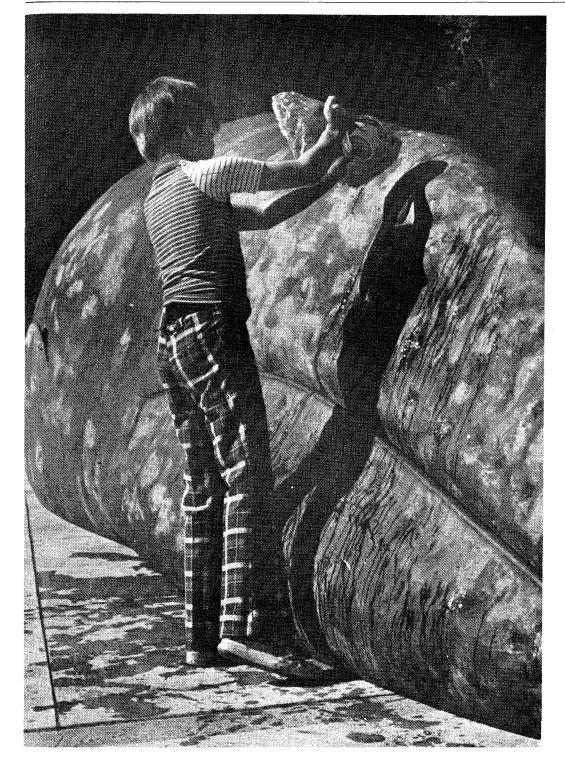
CHICAGO	\$116	SAVE \$30
HOUSTON	\$ 99	SAVE \$19
KANSAS CITY	\$100	SAVE \$16
MIAMI	\$146	SAVE \$37

Remember too, a travel agent costs you nothing extra, so call one for the good word on all our Discount Fares. Or call us at 772-6000. At holiday time or any time, we can probably get you where you live, for less.

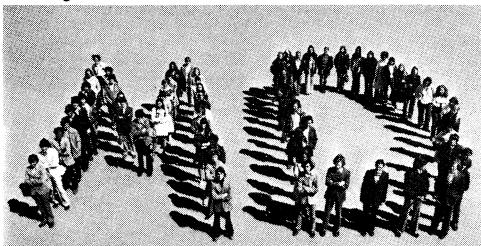
All fares are one way and include tax: airport security surcharge extra.



Page Five



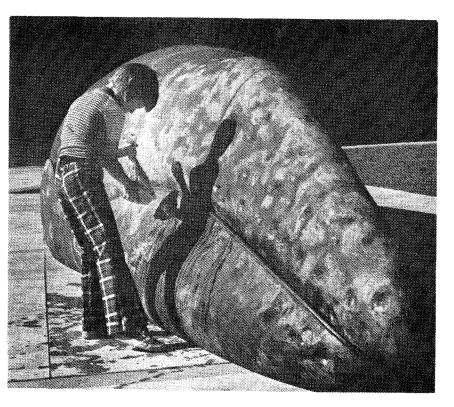
If you're one of tomorrow's physicians, there are some things you should know today.



Armed Forces Health Care Dedicated to Medicine and the people who practice it.

and his friend who keeps him wet.





Photos by Bobby Bus

Feed a Lion Next Weekend

This Christmas, the Lion Country Safari in Laguna Hills will be offering a special discount rate of \$2.50 (vs. \$4.50) to college students in the Southland. Between December 14 and January 5, anyone who cares to truck on down the San Diego freeway to Moulton Parkway, present his I.D. card at the reception desk, and get admission at the student rate, can drive through the wild animal preserve at his leisure.

The special admission also includes a narration tape, a bird show in the Afritheatre, the Jungle Play-House, the Free-Flight Aviary, and parking. Gates open at 9:00 a.m. daily.



For instance. You should know about the opportunities offered by Armed Forces Health Care. As an officer in the service of your choice you'll work in modern facilities. With up-to-date equipment. And modern, up-todate professionals in every area of Health Care.

For example. You should know that Armed Forces Health Care offers opportunities for initial training and advanced study in practically every specialty. Not to mention the opportunity to practice it.

You should know, too, that we make it possible for you to pursue a post-residency fellowship at either military or civilian institutions.

And if all this strikes a spark, then you should certainly know about our scholarship program.

If you qualify, the tuition for your medical education will be covered fully while you participate in the program. And during that time you'll receive a good monthly stipend. Just one more thing...we think if you know all the facts, today, you may want to be one of us tomorrow.

Find out. Send in the coupon and get the facts...today.

 There are limited openings for academic year 1975-1976.

 Armed Forces Scholarships
 z-cn-124

 P.O. Box AF
 z-cn-124

P.O. Box AF Peoria, Ill. 61614 I desire information for the following program: Army ____ Navy ___ Air Force ____ Medical ___ Dental ____ Veterinary* ____ Podiatry ___ Optometry [____ Psychology (PhD) ____

Name	 (please p 	rint)	
Soc. Sec. #		Phon	e
Address			
City			
State	Zip		
Enrolled at			
	(schoo	51)	
To graduate in_			
Data of hirth	(month)	(year)	(degree)
Date of birth	(month)	(200	(year)

ITALIAN CUISINE SPAGHETTI PIZZA RAVIOLI **10% Discount On Food To Go** Use new back entrance for picking up orders 1076 E. Colorado 449-1948 OPEN 4-12, Fri. & Sat. until 1

Page Six



The term is slowly grating to a halt, but that's no reason to think you'll suddenly begin to work, so why not look around for some entertainment?

It's Christmas on campus this week, as the Glee Clubs take up residence in Beckman tonight through Sunday to present the Festival of Light, a holiday pageant of sight and sound. Although all three shows sold out long ago, there is always a chance of returns or standing room—so give it a try.

Off campus is getting busy too. Sunday at 3:00 the National Chinese Opera Theatre will perform at Bridges Aud. in Claremont. This art-music, dance, ceremony and mime-was banished from China by Chiang Ching in the late 1960's, but has since been preserved in Taiwan, the origin of this company. The opera you might find more familiar is to be found still in the Music Center, as the New York City Opera finishes its visit here with five offerings: tonight Beverly Sills in I Puritani, tomorrow afternoon Puccini's Turandot, and evening his Madame Butterfly, and Sunday both The Mikado (matinee) and Cheru-

bini's *Medea* to finish the season. It is to be hoped that next year's visit of the NYCO will bring us something less and more: less, far less of Puccini, and something more in the way of approval from Martin Bernheimer.

The Ice House this weekend features the comedian-singer Ron Coden, and next week will host the astonishing and absurd Muledeer and Moondog Medicine Show, which will close on the 15th. Old movies are making yet a further comeback. Today through the 28th the L.A. County Museum of Art, Fridays and Saturdays in the Bing theater, shows the Hollywood of the great movies, for example Gloria Swanson's *Sunset Boulevard*.

For those of you who like to plan ahead, from January 10 until February 23 Ingrid Bergman will star in Maugham's *The Constant Wife* at the Shubert Theater. Student groups of twenty or more can book balcony seats any performance but Saturday evening at prices from \$4.50 to \$1.80.

Also, we have lectures this week. Monday, famine comes to Continued on Page Eight

THE CALIFORNIA TECH

Y Lunch Series

Incest Causes Competition

by James Llewellyn

The Caltech Y's Luncheon Discussion Series was brought to a successful conclusion Tuesday with Dr. Norbert Bischof, the Fairchild Scholar in Biology, giving a talk on "The Biological Foundations of Incest Taboos." Turn out was excellent with nearly forty people wedging themselves into the Y lounge.

Dr. Bischof initiated the discussion by reading a few lines from a book currently used as an anthropology text in some colleges. The book stated the hypothesis that incest taboos are wholly cultural in origin, a statement with which Dr. Bischof disagrees. In support of this he describes a graph, which he argued was common to all cultures. The x-scale was said to give the relative distance between a specific person and other members of his society. The further out, the less he was related to the other (related in blood and culture). The Y-scale was the degree of desirability of marriage between the person on whom the x-scale was based, and the other people making up the scale. Such a graph should always be a bell-shaped curve.

Two exceptions to incest taboos were then discussed, royalty and cultural rituals. The latter deals with cases where incest is advanced, in certain situations, as an approved action. An example was given of a tribe in Africa. The male head of a family sleeps with his daughter the night before he goes out hunting. He then leaves after having sex with her. This is supposed to give him the ferocity he will need to kill the wild animals he will face. After all, he has just broken a tribal taboo.

A point brought up was the difference cultural incest taboos made between parallel and cross cousins. A cross cousin is the offspring of your mother's brother or your father's sister, the others being parallel cousins. Cultural taboos sometimes distinguish between the two in dealing with incest, although biologically both types of cousin are equivalent.

Reasons for the existence of incest taboos were also discussed. Some are the result of society, such as the desire to lessen inevitable rivalries (father-son,



mother-daughter) which would be formed, and some are the result of what Dr. Bischof postulated as an instinctual dislike for incest.

Another point discussed was a just maturing adult's relationship with society. He has a desire to get away from his family (while still feeling the emotional ties that bind him), and he finds strange new people and places becoming more appealing. This desire could rise from a necessity for the adaptibility of an individual and a need to vary the environment. These instincts. which have been bred out in domestic animals, could be a starting place for the existence of incest taboos.





"Equal amounts of entertainment and erotica"-Yes Magazine

Starring RENE BONO • CINDY TAYLOR

PLUS SECOND EROTIC FEATURE

PASADENA VENUS THEATER 964 E. COLORADO 796-8118



Active BOD

Continued from Page One Academic Policies Committee?

No formal connection, although a number of EPC members are on the APC and keep us informed. We would like to be closer to the APC. We'd be useful as a sounding board for any ideas they receive.

Classified Ads **SERVICES**

TYPING-Fast, accurate, professional typing in my home, conveniently located at California and Lake. 75 cents/page. Phone Betty at 795-5369.

EXPERT TYPING of science and math dissertations, theses, manuscripts, papers. All scientific fields. IBM Selectric, pica/elite, carbon ribbons. Village Typing (1225 Westwood at Wilshire) 477-4111.

FOREIGN STUDENTS

220 volts, 50-cycle applicances; transformers. Overseas shipping. Export packing and crating to anywhere in the world. Andes Co., 201 N. Glendale Blvd., Los Angeles. 624-0741.

TRAVE

CHARTER FLIGHTS TO EUROPE with Char-Tours on Pan-Am. LA departures. RESER-VATIONS: TGT, 17965 Sky Park Blvd. 32G, Irvine, CA. (714) 546-7015.

EUROPE - ISRAEL - AFRICA Student flights all year round. CONTACT: ISCA, 11687 San Vicente Blvd. No. 4, Los Angeles, CA 90049. Telephone: (213) 826-5669, 826-0955.

LOWEST AIR FARES Europe, Africa, Israel, Asia: one way or round trip. Since 1959: ISTC, 323 N. Beverly Dr., Beverly Hills, CA 90210 Ph: (213) 275-8180, 275-8564

WANTED

RUSSIAN TRANSLATORS

with scientific training required. Also other languages. Freelance. Send resume to SCITRAN, Box 5456, Santa Barbara, California 93108.

MAKE \$500

on each commission. Campus and local representatives are needed for nationwide employee search. For full information write Sumner Advertising Co., P.O. Box 643, Peoria, III., 61601.

Econ Prof Wins Book Award With Two Others

Roger Noll, professor of economics here, and 2 others have won the first book award of the National Association of Educational Broadcasters. The book, "Economic Aspects of Television Regulation" was selected by an NAEB panel as the best book published in the past year on communications policy.

Noll accepted the award at the annual meeting of the NAEB this week in Las Vegas, Nevada. The two co-authors, Morton Peck and John McGowan are professor of economics at Yale University and senior economist at Charles River Associates in Cambridge, Mass., respectively.

The NAEB, a professional organization for public radio and television personnel and for producers and users of educational programming, inaugurated the book award this year as part of its celebration of the organization's 50th anniversary. The award, which includes a prize of \$1,000, will be given each year from an endowment provided by the Marks Foundation.

"Economic Aspects of Television Regulation" was published by the Brookings Institution in 1973 as part of Brookings Studies in the Regulation of Economic Activity, a research program in public policies toward business that is co-directed by Noll. In making the award, the

NAEB cited the book as "a singularly important work ... which applies economics as a discipline to a wide range of problems and issues in commercial broadcasting, cable and public broadcasting ... and which helps us to think in new wavs about what we do and the policies that affect it."

Noll rejoined the Caltech faculty in 1973 after spending three years as a senior fellow at the Brookings Institution. Prior to his term at Brookings, he had been on the Caltech faculty since 1965 and had served for a year in Washington, D.C., as a senior economist for the President's Council of Economic Advisers. This year he was the editor and part-author of another Brookings book, "Gobernment and the Sports Business," which examined the economic and public policy issues relating to professional sports.

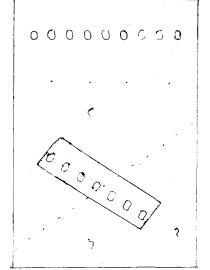
Noll has numerous other publications on public policies toward business, the problems of environmental management, urban affairs and economic models of political behavior. He is currently directing a research project involving several other Caltech social scientists to study the effects of government policy on technological innovation, a study that is being financed by the National Science Foundation.

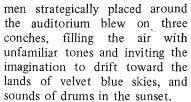


Polynesia! was the title of the show in Beckman Auditorium on the 23rd and 24th of November. This 100 minute program featured, as the name implies, songs and dances both traditional and contemporary, from the islands of Polynesia like Hawaii, Tahiti, Fiji and Samoa.

On the whole the show was a pleasant way to spend an evening-providing you didn't have anything else to do-but there were times during the show when the choreography songs and costumes made one wonder just how authentic they really were.

The show began when three





The show featured both solo dances and group song-dance numbers as well as skills with long rods and short sticks and whirling of bolas.

Most exotic of all, and the one seeming to be most authentic, were the solo dances. The spotlights illuminating the female forms gave an atmosphere of beauty and grace, as the women danced and pantomimed legends and love songs. On the other hand, when the six men and eighteen girls came on stage, the dancing would tend to be rapid and the music loud, and with the lighting illuminating the whole stage; it resembled the finales of variety shows. Especially when the clown of the troupe appeared, belly dancing for the audience, it lost the impression of being a show of Polynesial folk songs and dances. There was also the overuse of black lights which spoiled the special effects that would have been there.

It is a pity that the show was not purely a presentation of traditional customs of the South Seas in dance and songs, but rather a modified version retaining some flavor of the originals but in general geared to attract people who might not be so fascinated by styles which are very removed from their experiences.

-Young-il Choo

We cordially invite Caltech students and faculty members to bank with us.

Complete banking services including: Automobile Financing Bank-By-Mail Certificate of Deposit **Checking Accounts** Collateral Loans **Drive-In Banking** Escrows Foreign Banking Letters of Credit **Home Modernization Loans** Life Insurance Loans Money Orders Night Depositor Personal Loans **Real Estate Loans** Safe Deposit Boxes Savings Accounts **Travelers Checks Trust Services** U. S. Bonds



Dynamic young black man in desperate situation (penitentiary) seeks love, romance, empathy, sympathy, and HELP! through correspondence. Interests: chess, music, sports, writing, and people. Julius Moore, 137-455, Box 787, Lucasville, Ohio (45648)

FOR SALE

MINIBIKE-good running condition-3 HP. Ideal for Christmas -only \$50. 799-2814 evenings & weekends.

Buying or selling something? You, too, can take out an ad in The California Tech! \$1.50 per inch plus \$.25 per extra line for Classifieds. Bring ad copy to the Tech office or phone ext. 2154. ed in 1876 by our original pro from the choicest hops, rice and best barley malt.

Still is.

still cares about

quality."

Were making sure that caring isn't just a memory. And every taste of Beechwood Aged Budweiser says so... And always will. "Somebody

Auto Banking Center at Colorado and Catalina Office, 1010 East Colorado and Citizens Commercial Trust & Savings Bank of Pasadena, hours: 9 to 4:30 daily; 9 to 6 Fridays

PASADENA Head Office: Colorado and Marengo Colorado and Catalina Office: 1010 E. Colorado LA CANADA La Canada Office: Foothill and Beulah

Citizens **Commercial Trust** & Savings Bank of Pasadena

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATIO Member Federal Referve system

L.S.B. Leakey Series **Man's Spiritual Roots Explored**

Four distinguished experts will explore new discoveries concerning man's closest living relatives and his own spiritual roots in a series of lectures sponsored by the L.S.B. Leakey Foundation and the Caltech Faculty Committee on Programs. Each presentation will begin at 8 p.m. in Beckman Auditorium.

Page Eight

Speakers include Dr. Jane Goodall, "Baboon Social Behavior and Adaptation," Tuesday, Dec. 10; Joseph Campbell, "Mythological Thresholds: Spiritual Roots of Mankind," Wednesday, Feb. 5; Dr. Mary Dr. Leakey, "The History and Meaning of the Discoveries in Olduvai Gorge," Wednesday, March 5; and Dr. Michael H. Day, "The Neanderthalers of Durope," Wednesday, April 2. Tickets, at \$4 each, are available through the Caltech Ticket Office or Ticketron.

Dr. Goodall has been involved in the study of wild chimpanzees and baboons for the past 14 years, as a means of gaining a better understanding of human behavior. Drawing primarily upon her studies in Gombe, she will talk about the social life of baboons, their development from infancy to adulthood, their aggressive behavior, and interactions between groups.

Author of "The Masks of God," "The Hero With a Thousand Faces," and other books, Campbell has spent many years researching and writing about the roots of civilization and the way man's inner life has revealed itself as his outer history has developed. He has been active in exploring new areas in comparative symbolism, religion, mythology, and philosophy.

A world-renowned archaeologist, Mary D. Leakey was the wife and co-worker of the late Dr. Louis S.B. Leakey, For the past 30 years, she has been involved in digging out and recording the history of the Olduvai Gorge in Tanzania. Dr. Leakey will discuss the Leakey family discoveries that reaffirm Darwin's hypothesis of man's origins in Africa, including recent

finds and their significance.

Dr. Michael H. Day, internationally known authority on fossil man, worked with the Leakeys for more than 15 years and continues to work with their son, Richard. He is professor of anatomy at St. Thomas Medical School in London. His presentation will focus on Neanderthal man.

Blintzkrieg

NOW THRU SUNDAY

Leonard Cohen

OUG WESTON'S

Dec 10-15: Tim Weisberg plus Claire Hamill

9081 SANTA MONICA SLVD., L.A. 276-6168 COCKTAILS + DINNERS + HOOT MONDAYS + NO AGE LIMIT

Dec 17-22: Maria Muldaur

by Paul Shubert

Sometime late last Monday, several very unusual posters were placed about campus. The posters contained the cryptic message: "Take: an eye-hit with an IHOP Cheese Blintz . . . for Christ TONITE!"

Several people have been questioned as to the origin of the mysterious signs, but none were able to give a definitive answer. Madam R of the OCRC gave indications in her 48 paragraph reply that she knew who'd done it but would not name names. It has been stated that the IHOP posters are clearly an administration plot designed to poison the minds of innocent Techers, but this hypothesis has been rejected for obvious reasons.

Meanwhile, an entire cult has built up around the signs. Several times per week, a group of students gathers to read them, sing and play guitar, study blintzes, heal cripples, and flash passing faculty members. Others have declared the signs "works of the devil" and have begun a

campaign of night bombing designed to stamp out the alleged menace.

The meaning of the sign itself is clouded in mystery. While most of the words make sense by themselves, grouped together in the order they are they have as much meaning as a Russian limerick in French.

Nonetheless, rumors have been uncovered that the sign is announcing the formation of a secret organization, the sole purpose of which is to embarass Dr. David R. Smith by exposing him in a rented tuxedo.

Anyone having any information leading to the successful capture of the group responsible for these signs is advised to keep his yap shut because no one knows exactly how large and powerful the Organization is.



The Tech is Listing

by Jon Teich

(Wales)

The following is the list of

student representatives on faculty

committees. The name in paren-

theses is that of the committee

(Shair)

Jon Teich

Bill Zajc

(Dean)

Curriculum:

(Culick)

Convocations:

(Cozart)

(Mayer)

Scholarships:

(McKoy)

(Vinograd)

Steve Aley

Athletics:

Health:

Programs:

(Oliver)

Tom Little

John Land

chairman. If a committee hasn't met yet, and you can think of a reason why it should have, please see the committee chairman.

Freshman Admissions: UASH: Tom Lawler Greg Simay Karen Maples Academic Policies: Liz McLeod Ellen Garber Alan Shusterman Gavin Claypool Mary Beth Ogilvie Karen Maples Steve Walton Dayna Salter Tim Erickson Phil Naecker Greg Simay Kathleen Kong

Ann Orel Jack Schlachter Alan Shiller Laboratories: (Caughey) Roy Mead Bruce Casner Industry: (Tschoegl) Rich O'Keefe **Upperclass Admissions:** (Iwan) Paul Goodson Jim Celoni Chuck McKnett Student Housing: (Wood) Jim Kleckner Shelley Smith Secondary Schools: (Shair) Liz McLeod **Richard Atwater** Library: (Benton) Jack Schlachter Art: Bob Coleman Computer Executive: Eric Carter Patents: (Acosta) Paul Goodson

Tired of Board contract?

Come live in a



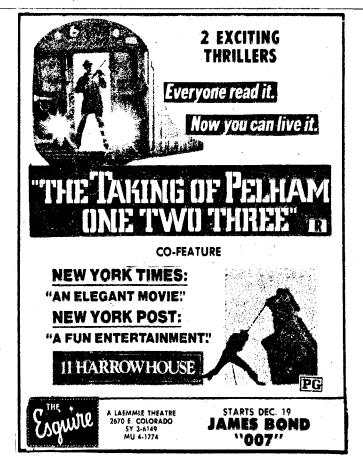
Rent only \$42 + utilities

Do your own cooking or eat with a food group
 Quieter than on campus

Places open for second term

Undergrads and grads APPLY NOW!

- Contact:
 - Vincent Fratello, 306 S. Catalina, 792-6638 Klaus Englehardt, 290 S. Holliston, 796-6881 Jim Ogg, 297 S. Holliston, 796-2183
 - Cindy Jung, 317 S, Holliston, 792-2952



T about T

Continued from Page Six

the Watson lectures with Dr. Harrison Brown, and Tuesday will observe the beginning of the Leakey Lecture Series with Jane Goodall, as I noted last issue.

So, as your appreciation for the classics and Wagner increases, remember: Veni mecum ludere. -Chris Harcourt

medical translators into any major (your native) language. Write full background and experience details to: AD-EX, P.O. Box 4097. Woodside, Calif. 94062. Include short nonreturnable work sample (original + your translation), your telephone number, typing capability, rates desired for draft and/or finished work. P.S.: Free-lance technical typists in all major languages (IBM Selectrics favored), interested in receiving work by mail, are needed also.

TRANSLATORS

Only experienced professional free-lance sci-tech-industrial and

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 Center, Caltech 105-51, Pasadena, CA 91125.

Aghoian's Dining Room 1864 N. Allen, Pasadena 797-2576

MIDDLE EAST

RESTAURAN

10% DISCOUNT WITH STUDENT ID

Shish Kebob, Lula Kebob, Basturma, Humus Tabule, Lahmajoun, Kufta, Boreg, Lentil Soup, Yogurt Soup, Home-Made Yogurt, Sarma, Dolma, Baklava, Bourma, Kadaif, Turkish Coffee, Falafel.

Open 11:00-8:30 Mon-Thurs 11:00-9:30 Fri-Sat **Closed Sunday and Holidays**

Food to Go