

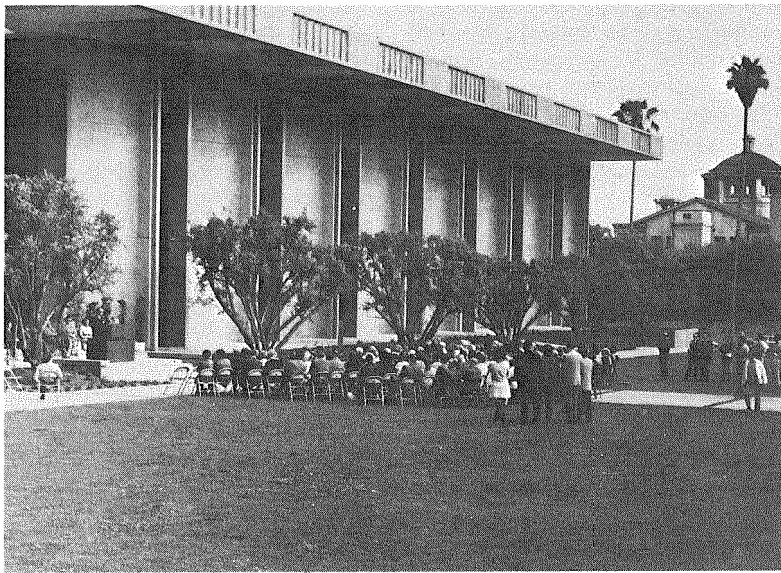
Techers Go To See Skylab

by Terry O'Neil

Just what is the status of Project Skylab? How is the project doing under the direction of McDonnell-Douglas Corporation? On Tuesday, the fourth of May, a group of Caltech students went to the Huntington Beach facilities of McDonnell-Douglas Corporation to ask these and other questions. What they found was a blend of hardware and wishful thinking that characterizes the U.S. space program today.

Skylab A, consisting of a specially-outfitted Saturn IVB upper stage, is being readied to fly in 1973. Compared to anything else the U.S. has flown so far, this is a monster. Its inner diameter is about 30 feet, its length about 60 feet. There are two decks, one for instrumentation and living and the other reserved for life-support equipment and storage. The major concession to a scientific mission is the solar telescope mounted on the top of the airlock module. (The airlock itself is a husky 15 feet long.) Earlier plans to fly the SIVB up full of fuel, then vent it to open space before fitting it for human habitation, have been dropped. The stage flies up dry in its present configuration and the crew follows in modified Gemini capsules. The first mission is scheduled for thirty days, then a sixty-day mission, and later missions of up to 120 days length. The biomedical data from the thirty-day mission alone should keep doctors busy for months, and the solar telescope is expected to yield at least some new observations. However, Skylab A is really only an engineering flight which will precede longer and more scientifically-oriented

Continued on Page Four



Dr. Hallett Smith, speaking to cheering throngs from the poop deck of the S.S. Baxter, Caltech's new flattop, wished the monolith a bon voyage before falling overboard into the piranha-infested waters. Photo by O'Neil

Oh, you poor fools...

Freshmen Choose Options

by Philip Massey

Physics is still number one at Tech, but biology is a close second. Or so the figures on Frosh option choices, released today from the Registrar's office would indicate.

It seems that only forty freshmen still plan to be physics majors. The rest are planning to study science instead, with six humanities exceptions. The second most popular option is biology — 32 signed up. Chemistry is the third most desired option, with 30. Engineering and Applied Science claimed 28, while math received 26 eager young frosh. Twelve have chosen applied physics, the first time freshmen have had this option available to them. Astronomy got its customary 10.

Chemical Engineering and Economics each claimed five frosh. Three chose geology, and English and Independent Studies each got one. No one chose History.

Comparing these figures with those available for frosh decisions in the springs of 1968 and 1966 show a few obvious trends. In 1968 there were only 13 people who wanted to be biologists while 62 chose physics. (Numbers for 1966 are about the same.) Engineering was the second most popular option in 1966 with 33, followed by math with 31. (For 1966 the figures are 31 and 38 respectively.)

Tristano in Translation

New Offerings in Languages

by John Tristano

The Language Department has come up with a new system to complement their recent move to Baxter. Changes include giving humanities credit for first year language courses (provided a second year is also taken), a foreign literature course (taught in English), a new Russian professor, and a Chinese class (if there is sufficient student

Baxter Dedicated Come Rain Or Shine

by Phil Neches

Every society has its rituals. In twentieth century America, one of those rituals is the dedication of a new building. These modern rites were practiced Monday on the Baxter Hall of the Humanities, with appropriate pomp and circumstance.

The role of high priest and master of ceremonies fell the way of Dr. David Smith, Master of Student Houses as well as Associate Professor of English. After thanking members of the Caltech band for providing prefatory music, including the premiere of a modal work, he introduced the members of the Baxter Family.

Doctor's Daughters

Dr. Donald Baxter, M.D., for whom the building is named, is survived by three married daughters, who, replete with husbands and children, were duly introduced to the audience of approximately one hundred. The funds for Baxter Hall were the gift of the Baxter family in memory of their father.

After the last of the Baxter grandchildren had had his turn at squirming for the crowd, Dr.

Smith introduced Dr. Smith (Hallett D.), who spoke glowingly of Baxter's beauty and functionality.

Ecclesiastical

Hallett concluded his presentation with two quotations from the Bible ("one of the books I teach"): "By much slothfulness the building decayeth; and through idleness of the hands the house droppeth through." (*Ecclesiastes* X:xi) With these words, he urged diligence upon the Division of Humanities. And finally, both as a comment on the proceedings and as a gesture of appreciation to the Baxters: "A feast is made for laughter and wine maketh merry; but money answereth all things." (*Ecclesiastes* X:xi)

Dr. Dave Smith then introduced Dr. Sinsheimer, the token scientist of the day. Dr. Sinsheimer addressed the problem of the complementarity of and interaction between the humanities and the sciences in the present age of flux.

Choice Is Ours

Man's technology has advanced him to the point where he now faces a crucial decision, according to Dr. Sinsheimer. He can either chose to live with the environment essentially as he found it at the "great psychic cost" of immense self-restraint, or chose to remake his environment to his specifications, again at great psychic cost. We must recognize our fallibility, and shoulder the responsibility.

Dr. Sinsheimer's remarks, and indeed the rest of the program, were threatened by an unexpected turn in the weather as raindrops punctuated the speaker's profundity. However, the dedication program concluded with an outline of the immediate future plans of the Humanities Division from Dr. Huttenback (Acting Chairman) before any serious damage occurred.

The dignitaries then adjourned for "feast" and "wine" at the Athenaeum.

Annette Smith will teach the second semester. The course will

Continued on Page Four

News Briefs

ASCIT Says: Go Fly a Kite!

ASCIT will sponsor kite flying this Sunday at 2:00 p.m. outside the gym. Kites will be provided — or bring your own, if you prefer. If you have any tail materials, bring them. Prizes will be randomly awarded for random accomplishments (what else?). More information is available from Rik Krueger (115 Page, ex. 2225).

General Daniel James To Speak Practically Everywhere

Brigadier General Daniel James, the highest ranking black officer in the United States Air Force, will participate in the Y's "Leaders of America" program May 17 and 18. On Monday, at 5:30 p.m., a reception and buffet will be held for General James in the Athenaeum. Later, at 7:30 p.m., he will lecture in Baxter and then carry an informal discussion in Fleming House.

On Tuesday, at 12:30 p.m., General James will be

interviewed by Rochus Vogt on the Olive Walk and will then head a discussion in Winett Lounge. The "Y" feels that his visit provides Caltech with a unique opportunity to discuss the tough questions facing the military today.

Another One? Totem Comes Again

The second issue of *Totem* is currently being somewhat put together. Any persons wishing to submit creative items (photos, short stories, poetry, free verse, drawings, and whatever else) are urged to do so as soon as possible, i.e., before the weekend. Stuff should be directed to Phil Massey at Ruddock House, or brought by the *Tech* office in Winnett.

Feynman to Give Two Lectures

As expected, tickets are no longer available for the Monday Beckman lecture by Feynman on Mayan hieroglyphics. However,

due to the great demand he will present the lecture again on Wednesday night, 8:30, in Beckman. There is no ticketing for the second lecture.

Student Shop Elections Saturday

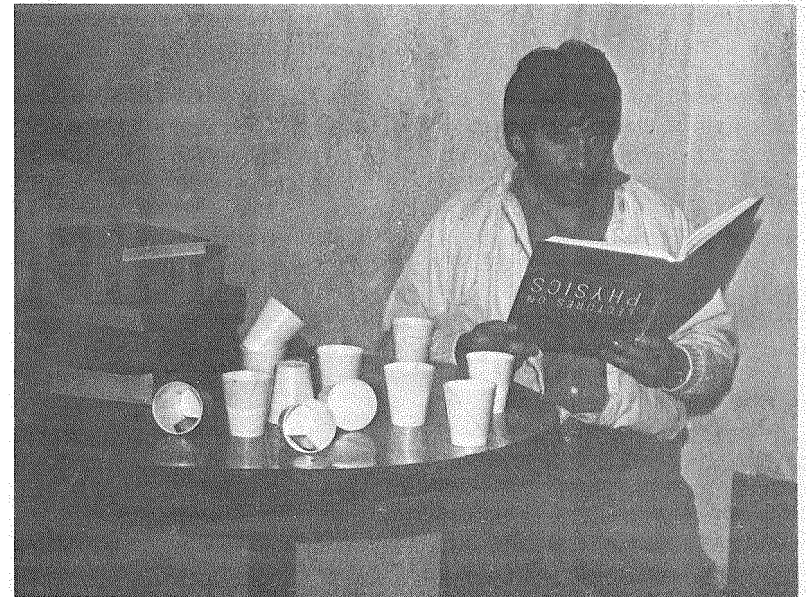
There will be Student Shop elections on Saturday, May 15, at 12:30 p.m. (That's what I like, short, concise, and to the point.)

Glee Club Concert Friday and Saturday

The Caltech Glee Club will hold its Annual Home Concert this Friday and Saturday at 8:30 p.m. in Beckman Auditorium. A variety of songs varying from Gregorian chants to selections from Porgy and Bess will be performed. Color slides of the Glee Club's recent tour of the Bay area will also be shown.

Tickets to each performance are \$2.50, general admission: \$2.00, to the Caltech staff: \$1.00, to students; and admission is free to ASCIT members.

Ph.D. Orals Tomorrow?



Physicists (and Phrosh Physicists to be) take heart! Richard Price, Bf.D., sustained himself while writing his thesis by dropping into the Caltech Coffeehouse each evening for a cup of our "world's finest coffee." The Coffeehouse builds strong minds and bodies.

Surprise!

Tech Arrives on Time

A couple of months ago I complained to the editors of the California Tech because my complimentary copy tended to reach me several days after publication, by which time it was mostly of historical interest.

D. Coles
Professor of
Aeronautics

computer but also a pitiful lack of understanding of how to deal with people who are not blessed with the degree of perfection he claims.

We think it is time the Caltech community recognizes that the Computing Center, though not perfect, is a very good research installation.

Robert Charles Ladner
David L. Huestis

Dear Sir: This may come as a shock to the Computing Center staff, but we would like to take issue with Messrs. Nicolaides and McKay.

The Third Wing

What Will They Blow-up Next?

There was a time when bombs and bomb threats were limited to planes carrying heavily insured passengers.

For several years, during the Fifties and Sixties, there was an occasional political or racial bombing, particularly of churches and liberal organization offices.

More recently, banks, ROTC facilities, and similar buildings have been targets of bombings and bomb threats.

Now the bombings have a trifle more difficult to fathom. Now the bombs and threats include random facilities at universities, including dormitories and bookstores.

At this point, one might ask which one does more harm, a bomber or someone who phones in lots of insubstantial bomb threats.

People who phone in bomb threats are probably doing it for one of two reasons: either to disrupt things in the threatened area, or just for kicks.

Look at it this way: if a building is threatened every so often, eventually people will stop running outside while the building is searched.

Have you ever wondered what it is like to be in a building when someone threatens to blow it up?

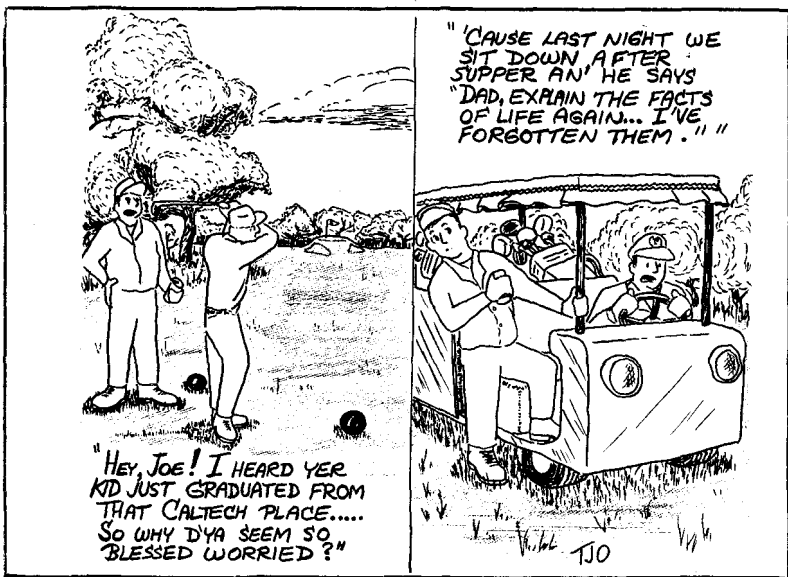
nooks and crannies. They freely admitted that a bomb threat had been received, and said that people in the building could stay or leave, at their own discretion.

Later, I started thinking what would have happened had a bomb gone off. There were well over a hundred people in the building at the time, and any sizeable bomb would have killed someone.

Granted, there are a lot of people who think that they are working for what they hope will be a better future, and are using bombs and bomb threats as social weapons.

Nick Smith

VENUS THEATRE
2226 E. Colorado Blvd.
Pasadena
Open 11:00 a.m.-2:30 a.m. Daily
Sundays Noon-Midnight
For Sexy Info Call "The Voice": 796-8118
Pasadena's most unique, daring, and controversial theatre.
EXCLUSIVE
Featuring this week May 11 thru 17 "Peep Freak"
Caltech students - \$1.50 off regular admission with this ad
Starting May 18 "The Wild Weekenders"
A completely new show every Tuesday
Seeing is Believing!



THE ASCIT FRIDAY NIGHT MOVIE
THIS WEEK:
FOR A FEW DOLLARS MORE
Starring CLINT EASTWOOD
+ CARTOONS FOR TECHERS
7:30 p.m. and 10:00 p.m. in Baxter Hall
Admission 50¢
NEXT WEEK:
WAIT UNTIL DARK & GAMES

The CALIFORNIA Tech
Thursday, May 13, 1971
Volume LXXII Number 28
Published weekly except during examination and vacation periods by the Associated Students of the California Institute of Technology, Incorporated.
Editors-in-Chief: Peter W. Beckman, Paul A. Levin, Philip M. Neches
Entertainment Editor: Nick Smith
Photography Editor: John Fisher
Staff: Bob Bresler, Patricia Clabaugh, Pat Dunn, Emden Gansner, Roger Goodman, Malcolm Handte, Bob Kieckhefer, Philip Massey, Ralph McGee, Terry O'Neil, David Peisner, Etain Schroedlu, Alex Seita, John Tristano, millikan troll.
Photographers: John Belsher, Bill Loucks, Ken Mills, A. J. Owens, Alan Stein.
Business Manager: Marvin Mandelbaum
Circulation Manager: Kim Border
The California Tech Publication Offices: 115 Winnett Center, California Institute of Technology; 1201 East California Boulevard; Pasadena, California 91109.
Subscriptions: \$1.50 per term, \$4.00 per year, Life subscription \$100.00

Systems Engineering

RAND Is Rational?

by Paul Levin

Dr. Henry S. Rowen, President of the Rand Corporation, spoke on the Planning-Programming-Budgeting System (PPBS) at this week's systems engineering seminar. He explained that he felt a bit on the defensive because he was "speaking on a rational method of decision-making in a period when rationality isn't in vogue."

What a Mouthful!

What exactly is PPBS? Dr. Rowen described it in this manner: "A careful specification and a systematic analysis of objectives: a search for the relevant alternatives, the different ways of achieving the objectives: an estimate of the total costs of each alternative—both direct and indirect costs, both initial costs and those to which the alternative commits us for future years, both dollar costs and those costs that cannot be measured in dollar terms: an estimate of the effectiveness of each alternative, of how close it comes to satisfying the objective; and a comparison and analysis of the alternatives, seeking that combination of alternatives that promises the greatest effectiveness, for given resources, in achieving the objectives."

On paper this sounds just great, but on the whole it has not worked very well. The Federal Government, at least, is sufficiently unimpressed so that it will probably discontinue use of the system or alter it in some

way.

What a Headache!

One serious problem has concerned the definition of goals. Government officials (or businessmen, for that matter) "may know about their activities but not about their purposes." Congress does not attempt to legislate happiness; it merely attempts to create a good feeling through some measure. Government budgets contain very little discretionary money, and politicians who place little value on future expenses worsen this situation with large, multi-year spending programs. Government agencies are

reluctant to issue firm plans, even if they have a dollar constraint.

In addition, some agencies do not want to use analysis techniques even if they are available, for fear that analysis might reach the wrong, or at least different, conclusions. Dr. Rowen referred to an "inadvertant conspiracy" between Federal agencies and local governments in an effort not to analyse Federally-sponsored projects. Each side feels that the other should do the work because it's his business.

What Possibilities

There is obviously room for improvement. In spite of its difficulties and past failures, Dr. Rowen hoped that more analysis of public issues would be undertaken. Outside groups, such as those that delved into the SST, could perform valuable

services. "Even Congress has recognized that it needs to improve its own analytic capabilities . . . no matter how it is done, it will be an improvement."

The scope of analysis, too, must be widened. Dr. Rowan repeated Dr. Murray Gell-Mann's suggestion that factors such as beauty and effect on the environment should be considered. While it is hard to put a value on such things, polls or other means can be used to rank objectives. He felt strongly that the objective should not be expressed in single-valued terms since few problems have only one objective. "You won't have the simplicity, but that's tough." Lastly he urged everyone to regard PPBS as "invention, that is a design problem."

The Rand Corporation has established an Institute in New

York City to help analyse that city's problems. While its work on housing "nearly got us thrown out of the city, and may still do so," the first new housing measures in nearly a quarter of a century were enacted by the New York City Council last year. An analysis of fire protection also produced fruitful results. There are some projects he would like to forget about, though.

How good is PPBS? Does it have a future? "How you regard it depends on your bias. Those who are enthralled with systems engineering will abhor this exhortation. If you favor flower power, look out, the analysts may be closing in on you."

Next Tuesday at 7:30 p.m. Dr. George E. Mueller, Senior Vice President of General Dynamics Corporation, will speak at Ramo Auditorium on "Aerospace Systems Engineering."

IS THERE A WAY OUT?

A way out of poverty, illness, unhappiness? Thousands have found the way in the teachings of Christ Jesus, as explained through Christian Science.

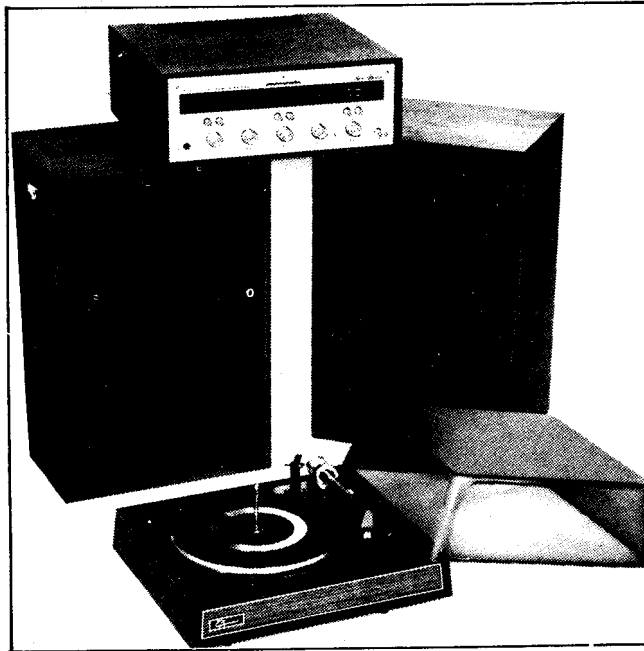
They've found that discovering the truth about themselves as the image of God has set them free—free even from those troubles pronounced "hopeless."

Hear Martin Broones, C.S.B., of The Christian Science Board of Lectureship, explain how you can find your way out. You and your friends are welcome to his free lecture.

CHRISTIAN SCIENCE LECTURE
FIRST CHURCH OF
CHRIST, SCIENTIST, ARCADIA
100 West Duarte Road
Tuesday, May 18, 8:00 p.m.
Child Care Provided

MEET THE SOUND FREAKS...

THEY CAN FILL YOUR EVERY STEREO NEED AT DOW SOUND CITY'S LOW PRICES



marantz
Model No. 27 ■ Retail Price \$299⁰⁰
incl. Free Walnut case

THE SYSTEM 600

Super components, like a Marantz 27, a 60-watt FM/AM receiver with exclusive Marantz Gyro Tuning in a walnut case. Two incredible DSC III's, with frequency response of 30 Hz to 20,000 Hz, 8-ohm impedance, and a 12" bass speaker, a 6" lower midrange speaker, a 3½" upper midrange speaker, plus a 2" super tweeter, all housed in hand rubbed walnut cases. Top all of this off with the acclaimed Garrard 72B changer with base and dust cover. Now you're ready to just sit back and groove.

Retail price	\$795.00
Dow Sound City price	599.50
You save	195.50

FREE! \$20.00 stereo earphones with any purchase of \$70.00 or more and this ad!

Easy Terms — Trade-Ins Accepted — The Sound Freaks Honor Master Charge, BankAmericard and Money.

WIN A SYLVANIA STEREO CONSOLE! GET FREE ENTRY BLANKS AT

Dow Sound City

A subsidiary of MILO ELECTRONICS CORP.

1759 EAST COLORADO BOULEVARD, PASADENA
PHONE: 793-1195 OR 681-3416

Other store locations are: Goleta, Oxnard and San Diego

Air Force ROTC:

THOUGHT ABOUT IT, but you'd want to finish grad school before reporting to duty? YOU CAN, through our Educational Delay program.

NINE 1971 Graduates of the Caltech AFROTC Program applied for delay of entry onto active duty in order to begin or continue graduate work.

NINE were approved. YOU CAN STILL ENROLL in next year's program.

CALL ext. 2391 or STOP BY 1107 San Pasqual TODAY.

Classified Ads

REAL ESTATE

1/4 acre lot, south shore of Lake Tahoe—5 acre lot near El Dorado Golf Course, Cameron Park., Calif. Call EL 8-5649.

For lease, home, 1 bedroom, big lot, fruit trees, patio, fenced. References. Dave Kamins, 364 Rosemont Ave., Pasadena. Write P.O. Box 3454, Rose Bowl Sta., Pasadena, 91103.

FOR SALE

Telescope, 10", \$225. All castings. 355-0781.

Photo drier, not-too-good condition, cheap. Call Ext. 2154.

TRAVEL

EUROPE-ISRAEL-EAST AFRICA One way and round trip student travel discounts. SOFA agent for over 2000 inter-European student charter flights. Contact: ISCA, 11687 San Vincente Blvd., Suite 4, L.A., CA 90049. Tel. 826-5669.

EUROPE CHARTERS 50 departures, also from New York. India-Africa-Israel. 60% off. Free info: EASC, 323 No. Beverly Dr., Beverly Hills, CA 90210. Phone: 276-6293.

HELP WANTED

TRANSLATORS - ROUMANIAN with scientific training required. All languages and disciplines. Free-lance. Send resume to Box 5456, Santa Barbara, CA 93103.

SERVICES

TYPING SERVICE for students. Term papers, thesis, resume. See us for your typing needs. We offer quick service, accuracy, and professional results. Rates: \$1 per page, \$1.50 with footnotes. \$10 minimum for resume including copies. Management Services, 37 E. Huntington Dr., Arcadia, 91006. Phone 445-5794.

Buying or selling something? You, too, can take out an ad in the *California Tech*!!! \$1.50 per inch plus 20¢ per extra line for Classifieds. Bring ad copy to the *Tech* office, or phone Caltech extension 2154. O.K.?

Humanities Education

Using acting as a tool, Lee Browne depicted two different classroom settings in which he first portrayed an "ahuman," and then, a "human" teacher. In both cases, Browne drew upon his teaching experience in high school chemistry and his familiarity with various kinds of teachers to show the actions of an "ahuman" and a "human" chemistry teacher.

In the first instance, Browne's performance as the "ahuman" teacher showed how this type of teacher ignored students' questions, always referring them to be answered at an indefinite time. The "ahuman" sought to conceal information from students, always expecting them to know what was being taught. "If you don't understand," said Browne in his caricature of an "ahuman" teacher, "study this subject further at home."

Emotionlessly, the "ahuman" teacher snowed his students with facts and unfamiliar terms, creating a boring atmosphere in the process. To add insult to injury, the "ahuman" talked to his students in an impersonal manner; one student was the same as another, to be treated in the same stifled manner.

The "human" teacher, on the other hand, talked to his students with feeling, showing his joy at their quest for knowledge. This type of teacher asked each student to talk about themselves and what they wanted to learn from the course. In saying that "these concepts and terminology were not beyond the understanding of students," and "come to me for help for whatever reason," Browne demonstrated the "human" teacher's concern for students as human beings. The "human" teacher showed how the subject matter being taught had real importance in the world: iron sulfate to alleviate anemia, sulfuric acid as an aid in producing fertilizers and dyes.

After Browne had complete his dramatic interpretation of

the two kinds of teachers, it was pointed out that, while the "human" teacher was certainly more ideal to have, his performance took much longer time. Browne responded by saying that while the "human" teacher may use more time, his students will learn more and will be excited by the course in greater numbers than the "ahuman" teacher's students. That, in the long run, is what one should expect from the educational system.

But, alas. The McDonnell Douglas equivalent of B&G was busily putting in fire-extinguishing plumbing, and the planned tour of the Skylab mockup and training facilities had to be cancelled. "We're terribly sorry, but those guys have been working for about a month on that plumbing, now. And everything is disassembled. Anyway, there's no telling what they might drop on us if we went in," explained the chagrined briefer.

McDonnell-Douglas

Continued from Page One
missions to come.

This is where the wishful thinking begins. The McDonnell-Douglas representative briefing the group indicated much concern that the company get the contract for the upcoming "space shuttle" craft, a re-useable booster-glider combination expected to be able to make around one hundred round-trips to earth orbit. What followed were a set of artists' conceptions of multiple-module stations centered around the SIVB module, serviced and emplaced by space shuttles working semi-regular schedules from Earth. The time for such an operational capability was very hazy . . . "some time, in the 1990's". In spite of the vagueness of the dates, the Caltech group left the briefing reassured that at least some plans existed beyond the next (and probably last) moon missions.

Language

Continued from Page One
be on "The French Writer and the Establishment" and will be a study of the situation of writers in their time from Moliere to Jean Genet.

The third semester will see Mary Zirin take the helm and do a study of Russian realism from 1840 to 1900. Writers to be studied include Dostoevsky, Tolstoy and Chekhov (no, not of Star Trek fame).

The Russians are Coming
There will be a new Russian professor, Galina Moller, here next year. She is a graduate of the University of Moscow and has been teaching at UCSD for the past three years.

Finally, a Chinese course will be offered here next year if Tech apathy doesn't kill it first. The course will be taught by Mr. Taing who is currently a grad student at UCLA. Mr. Taing was born in mainland China, but his family moved to Taiwan in 1949. He graduated from Taiwan University prior to coming to the U.S.

PAT'S LIQUORS AND DELICATESSEN
1072 E. Colorado 796-6761
Open to midnight daily, 1 a.m. Fri. & Sat.
Keg Beer Party Supplies

SMOKING ACCESSORIES
Extremely Wide Selection
The Print Store, Inc.
1515 E. Colorado (Opposite PCC)
Open Evenings Till 9

STUDY SOUNDS
IMPROVE GRADES
Improve Grades While Devoting The Same Amount Of Time To Study
USE STUDY SOUNDS
Increase Your Concentration And Improve Your Comprehension, Study At A Faster Rate.
ELECTRONICALLY PRODUCED SOUNDS CAUSE THIS TO HAPPEN
Please Specify
8 Track Tape, Cassette, Or LP Record
Send Check or Money Order — \$9.95 Each
Include 75c Handling and Postage
Sound Concepts, Inc., — Box 3852
Charlottesville, Va. 22902

NOW THRU MAY 16
MARY TRAVERS
(FORMERLY OF PETER, PAUL, AND MARY)
AND
BOB LYNDE
COMING NEXT
SEATRAN
Troubadour
DOUG WESTON'S
9081 SANTA MONICA BLVD., L.A. 276-6168
COCKTAILS • DINNERS • HOOT MONDAYS • NO AGE LIMIT

ACADEMY AWARD WINNER
BEST FOREIGN FILM
INVESTIGATION OF A CITIZEN
...above suspicion (R)
CO-FEATURE
ROMY SCHNEIDER/MICHEL PICCOLI
the things of life
2670 E. COLORADO MU 4-1774 SY 3-6149
COMING MAY 26
The Rolling Stones
IN
GIMME SHELTER

CAMPOUT BUS TOURS
June 26-14 days \$310—Vancouver Island—Western Canada—The Inside Passage
July 17-14 days \$255—The Canadian Rockies—Banff and Janper Natl. Parks—Vancouver Island
August 7-14 days \$575—Alaska—The Yukon—The Inside Passage—Northern British Columbia
Please write for free brochure:
DICK MILLER TOURS
1223 Frances Ave.
Fullerton, CA 92631
(714) 879-3741

EUROPE 1971
Caltech Charter Flight
Several Dates Available
LA/London/LA
Boeing 707 Jet
\$295 including fees and taxes
Flight Chairman: Dr. O. Mandel
For information call: 476-4543

FRANK D. CLAY & SON
CHEVROLET
CAL-TECH STUDENTS AND EMPLOYEES!
For special consideration on your new Chevrolet Car or Truck ask for **ERNIE HAYWARD**, Fleet Manager, or **JERRY SHEPHERD**, general manager.
"SERVING PASADENA SINCE 1922"
2605 E. COLORADO BLVD.
PASADENA 796-2603

SPECIAL
DISCOUNTED
STUDENT **AUTO** INSURANCE
43% AVERAGE SAVINGS
NO SACRIFICE OF COVERAGE OR SERVICE
• PAYMENT PLAN TO FIT YOUR BUDGET
• LICENSED BY STATE OF CALIF. DEPT. OF INSURANCE
• NO MEMBERSHIP FEE REQUIRED
• PLACEMENT GUARANTEED
COLLEGE STUDENT INSURANCE SERVICE
5440 Pomona Blvd., L.A. (near Atlantic) (213) 723-0712
Robert Wallace

Right after the Glee Club Home Concert, why not end a beautiful evening beautifully with a pizza dinner at
ROMA GARDENS
BEER & WINE
ITALIAN CUISINE
PIZZA SPAGHETTI RAVIOLI
1120 E. Green 449-1948
OPEN 5 TO 12 SUNDAY THRU THURSDAY
5 TO 1 FRIDAY AND SATURDAY

Second Class Postage paid at Pasadena, California. The California Tech is published weekly except during exams and vacation periods by the Associated Students of the California Institute of Technology, Inc., Winnett Center, 1201 E. California Blvd., Pasadena, CA 91109. Subscriptions: \$4.00 per year.