and MOAN!

CaliforniaTech

Associated Students of the California Institute of Technology

Only TWO more weeks of journalistic excellence!

Volume LXVII.

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Number 17

Kitagawa To **Give Address** On Buddhism

by Stacy Langton

Dr. Joseph Kitagawa, an ex-Buddhist and one of the foremost American interpreters of Buddhism and Eastern religions, will give two major addresses and an afternoon seminar on February 16, as a guest of the Caltech YMCA. "East and West: A Dialogue" will be featured at the 11 o'clock assembly hour in Winnett Lounge, and the second address, entitled "Buddhism in the Modern World," will also be given in Winnett at 8 p.m.

In his first address Kitagawa will discuss the broader issues concerning the inter-relationship of the two cultures. The afternoon will be completed by the seminar on the topic of "Modernity and World Religions" from 4 p.m. to 6 p.m. The seminar will cover the spirit of modernity which is now shaking the foundations of all religions, and particularly its effect on our understanding of the relations between Buddhism and Christian-

Booze

Highly recommended by our own Pappa Doc Huttenback, who reports that he mixes an excellent martini, Kitagawa will eat lunch at Dabney House and dinner at Arden House where he may or may not demonstrate his skills. However, the afternoon seminar will definitely be a "dry" one.

Kitagawa, born in Japan and a Buddhist since childhood, came to the United States before World War II to study theology. (Continued on page 2)

Alinsky Next YMCA Leader

Saul Alinsky, a "professional radical" and a pioneer in community organization techniques, will visit Caltech early third term as the YMCA's second Leader of America. Alinsky, who was invited to Rochester, New York in the wake of the riots of summer 1964, has been attacked as "a Communist, a Fascist, the mastermind of the Catholic conspiracy, a racist, and a segregationist."

Alinsky, a militant, toughminded community organizer, studied sociology at the University of Chicago. There he gave up the academic approach to social problems. Over twenty years ago he tested out his controversial theories of "grass roots democracy" in the stockyard district of Chicago. Later, with the help of Marshall Field and a few other philanthropists, he set up the Industrial Areas Foundation, a kind of a training ground for agitators. There IAF works to bring about social reform in urban areas. In the coming year Alinsky and his IAF staff expect to be working in a number of cities including Buffalo and Kansas City, Missouri.

The steering committee for Alinsky's visit is currently being organized. Anyone interested should see Lynn Melton in 112 Lloyd, or leave his name with the YMCA.



Dr. Joseph Kitagawa, renegade Buddhist, will talk on the interrelationship between Eastern and Western cultures, especially their religions, next Wednesday.

Caltech Hosting **Debate Tourney**

Computers will decide the winning teams! This will be the unique feature of the second annual Caltech Computer-Controlled Debate Tournament scheduled for tomorrow and Saturday, February 11 and 12.

The Booth computer complex will set up six preliminary rounds for each participating team, matching teams so that no team meets another team from its own school, so that all teams within one geographical area meet an equal number of teams from other geographical areas, and so that no team will be judged by a person having any relation to either team or by the same judge twice.

Ordinarily all this takes many man-hours, and consequently

teams must be entered in the tournament days in advance to allow for scheduling. Last year entries were accepted until minutes before the first round began, and the computer took only 3 minutes and $\overline{14}$ seconds to set up all 156 preliminary rounds . . . that is, once it got started.

It seems one of the humans preparing the input data fed in an odd number of teams, which the computer found difficult to pair. As a result, the first schedules were nothing but gobbledygook. But the operator discovered the error shortly, and once the missing card was fed in, the schedule came out perfect.

Kurt Flash

This year the program includes some additional built-in safeguards, including a provision to automatically shut down the scheduling and flash a curt message to the operator if he should goof and feed in an odd number of teams.

At the close of the preliminary rounds, the computer will select the top sixteen teams for the octafinals. Unlike most tournaments where the teams are chosen only on the basis of win-loss records, the computers will tabulate an over-all team score based 50% on win-loss record, 20% on team ratings, 20% on opponents' win-loss, and 10% on the difference between the team's ratings and opponents' ratings. The teams with the highest 16 scores

(Continued on page 4)

Ravenholt Explains China

"Then Mao recalled that summer night, a hot July night in 1921, when thirteen Shanghai students sat down and founded the Chinese Communist Party." A capacity crowd in Beckman Auditorium listened absorbedly to Albert Ravenholt lecture on "Red China and Southeast Asia" Monday night.

Introduced by Hallet D. Smith, Chairman of the Division of Humanities and Social Sciences, Ravenholt commented that the perspective of the Chinese Communists differs greatly from that of Westerners on Southeast Asian affairs. He boiled down his thesis into three propositions:

Notices

DELOCH TELLS YR'S

David Deloch, LA YR president, will speak at the February meeting of the YR's in the Lloyd Conference Room, Tuesday evening at 7:30. The meeting is open to the public. EXTORTION!

Candidates for ASCIT office (including BOC Sec'y and Tech Editors) are reminded that ASCIT Resolutions require an outrageous filing fee of \$4.00 (\$5.00 for President) per person. This must be submitted to Fred Lamb, 118 Ruddock, before a candidate's name can be placed on the ballot.

BRAINS???

Sign up before 4 p.m. tomorrow in the Y Office for a tour of UCLA's Brain Research Institute. The tour will be next Thursday and will leave Tech at 12:30, Six names will be chosen out of those signed up. Questions, see B. Schor, 113 Page.

ALIENATION

Mr. John Koekoek, professor of psychology at Pacific Christian College, will speak about "alienation" the lack of real personal communication that prevails in today's society-at the Friday noon meeting of the Caltech Christian Fellowship in Chandler.

GOLFERS

Coach Harold Cassriel will meet with all prospective golfers in the classroom at the gynmasium on Monday at 4:30 p.m.

to talk about a negotiated settle- ing graces than are present in ment, but a genuine settlement is hardly a realistic hope. The Communists never have and probably never will negotiate in good faith.

Number two: In the future we can expect the Communist-dominated area in Southeast Asia to be steadily expanded. In this respect the plans of Mao Tse-Tung and his likely successors weigh heavily in the predictions. In Thailand, which is openly acknowledged by the Chinese as their next target after Viet-Nam, the Communists have support in the regions of national minorities and among the impatient students of the universities. In Malaysia, so many Chinese agitators have infiltrated the borders of Sarawak that the British "have a small-scale Malay emergency on their hands."

Butter vs. Bomb

In addition to this favorable outlook, Ravenholt cited the monastic purposefulness of the Chinese Communists. At the height of the recent food shortages, when people were deprived of the necessities of life for quite some time, Chinese leaders still decided to divert a considerable portion of the nation's resources to the program to develop an atomic bomb.

Number three: The Chinese Communist leaders are not going to mellow with age, as so many Western observers are at present hoping. Taking a hard look at the men likely to step in Mao's shoes when the old lecher (married four times) finally dies,

A third term concert to feature student talent exclusively has been approved by the ASCIT BOD. The concert will be held in Beckman Auditorium, sometime in April or May, so those students who wish to donate their multitudinous talents should see an ASCIT Board member, or Jerry Yudelson in Dabney, soon! The generous donation of talent from Teckers will enable ASCIT to minimize admission prices for the event.

Number one: It may be useful Ravenholt found even fewer savthe Grand Old Man himself. Ol' Mao can order the execution of about three million enemies, but at least he retains a sense of warmth. Said Ravenholt of the likely successors, "They are humorless men, which indicates a lot about the future of Chinese leadership."

> second influence tending very strongly to harden tomorrow's leadership is the substitu-

> > (Continued on page 3)

Store Changes Hands

Esther Green, manager of the Caltech Bookstore, will retire April 1. Mrs. Green, who has been with the store 38 years, will be replaced by Vernon Rohe, manager of the Earlham College Store in Richmond, Indiana.

Lauding both, K. A. Jacobson, director of purchasing, said, "Mrs. Green has made great progress with the bookstore. We now have an outstanding store, and we want to keep it outstanding. For this reason, selecting a new manager has been an important decision.

"Mr. Rohe comes well recommended and has proved his abil-

Vernon Rohe, future manager of the bookstore, will take over on April 1.

ity at Earlham as well as in National Association of College Stores affairs."

In 1964, Rohe was elected "Manager of the Year" by the NACS after building up the Earlham store from one with operating and inventory problems to what has been described as a "book center on a book-centered campus." Rohe became a controversial figure at Earlham while making the changes that produced increased efficiency and sales. Especially disturbing to the Earlham students was the large stock of incidentals (candy, Kleenex, stuffed animals, etc.) in a supposedly overcrowded store. However, Jacobson said no major changes are expected in the Caltech store.

Outside reading

One of Mrs. Green's greatest achievements, considering Caltech's Teckishness, is that in past years only 42% of the books sold have been required texts. An announcement by Yale that they had become the first school in the nation to sell over 50% non-required books prompted her to check our sales, discovering that we were really first.

Commenting on her retirement, Mrs. Green said, "It has been a very wonderful experience to have been connected with the Institute during the growing years. Best wishes to Mr. Rohe —it's been a big, wonderful job, and I hope he enjoys it as much as I have."

Editorial

Graft and Corruption

The most graft-ridden, despicable, ignominious, infamous, and low practice in Caltech student government is the requirement of a "filing fee" for all candidates for ASCIT offices. In past years this extortion has been coffered directly into the festivity known as the "Directors' Party," an exclusive ASCIT BOD affair. Now the extortion goes ostensibly into the general ASCIT fund—but the financing of the Directors' Party also comes from the general ASCIT fund. Sneaky, but nothing has changed.

Of the gross corruptions this practice perpetrates, the most unjust concerns the editors of the Tech. In past years each member of a multiple team of editors has been coerced into paying the four-dollar fee. And this when the team receives the same salary as a single editor would receive!

The filing fee is specified in the ASCIT resolutions, where it can be altered by the BOD at will. The reason for the filing fee, according to the current BOD, is to ensure that there is not a distracting plethora of random, disinterested names filling up the ballot. But this criterion is hardly valid when an office goes uncontested, or even when only two candidates run for an office.

In effect the BOD party, as the BOD points out, reimburses most of these candidates. But what about those candidates who run for uncontested offices and are not on the BOD? This injustice specifically applies to we **Tech** editors. We don't like the idea of paying \$12 so that the ASCIT BOD may have a Falstaf-

If future BOD's dogmatically insist on collecting the fees and refuse to correct the injustices noted above, then at least the fees must be used fairly. Let them augment Dr. Huttenback's cultural fund, or add to some other general cause of potential benefit to all ASCIT, not just to the nine-man coterie that call themselves the BOD.

-Tim Hendrickson Robert Berry Norton Greenfeld

From Other Campuses

by Smith

MIT WIPES OUT CALTECH! Yes, friends, our Little Brother To The East has shamed us in the eyes of the world. MIT's tuition is \$1900. That's \$100 more exorbitant than our own ridiculous figure. The MIT Tech, since "\$1900 may be too damn much, but if it is, MIT isn't the only place that can yell about it," has compiled a list of figures on similar playgrounds for the rich.

"Tuition this year at Brown was \$1800, it's going to \$2000 next year. Next year's tuition at Princeton will be \$1950, it was \$1770 this year. Tuition at Yale next year will be \$1950, Columbia . . . \$1934. Dartmouth is going from \$1800 to \$1925 and will go to \$2075 two years from now . . . A popular number is \$1800, with Caltech, Cornell and RPI clustered there; some of these may go up soon." (Does he know something?)

The rest of the list are just places like Prinecton, Harvard,

Pennsylvania, and Case, none of whom can break a lousy \$1800. Berkeley has a nauseating \$203 for California residents. When you eastern frosh go home for summer, hold your heads up high. You may not be going to a cool, coed, high-living university, but you're sure as hell paying like it.

The Ball State News, that firm bastion of journalistic insipidity, ran an article (lifted from the Dakota Press) about college grading that may be of some interest to world-oriented Teckers. "A survey of 54 universities and liberal arts colleges in 1964 revealed that 43 use the conventional letter grades, five use number grades, three use special letter grades (such as h,s, and u) two issue no grades except for college use, and one issues grades only after graduation." Bennington and Sarah Lawrence have eliminated grades, and "carefully written evaluations giving a thor-

(Continued on page 3)

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On proposed amendments

Usury Brought up to Date

by Eric Young ASCIT Treasurer

The three changes outlined in the fourth proposition of the Excomm's recommended By-Laws revisions are designed to bring the By-Laws into alignment with financial procedures which have already become established.

Since there are usually carryovers of BOD members from one Board to the next, since the old treasurer remains as a bookkeeping and advisory officer until the end of the fiscal year, and since the budget does not change appreciably from year to year (allowing use of the previous year's budget as a model), it seems superfluous to require an outgoing Board to prepare a preliminary budget. Also, since the outgoing Board would not hear the budget requests made of ASCIT for the following year, it would not have enough information to adequately prepare a meaningful budget model.

Stop reading

The requirements for purchase requisition forms and business managers' clearance slips which would be deleted by this proposition are completely unnecessary for the following reasons: since all purchases must be approved by the BOD when the budget is prepared and since purchase forms simply add a lot of rubberstamp work for the Board and produce unnecessary inefficiency; since all business managers must (by the By-Laws) have their books audited at the end of the year, the requirement for clearance slips is simply an unnecesstary restatement of this requirement.

Proposition Five is similarly

Editors' Note: In case you can't make heads or tails out of the above articles, or in case you skipped them entirely, we will briefly summarize them: Vote "yes" on Propositions through Five.

designed to streamline the By-Laws and bring required procedures into line with the practice which experience has shown to be best. Since publications' financial conditions do not change appreciably over a half term, and since a clear picture of a publication's financial condition can only be accurately determined at the end of a term, the required midterm reports eliminated by this proposition's first two sections are unnecessary and inconvenient for all involved.

The section on the little t allows the appointment of the editor to be done with the other ASCIT appointments and eliminates the necessity of an editor's report to the BOD at an unnecesstarily early time while still making him responsible to the BOD.

Section four of this proposition removes the burden of approving the work of the publication's business managers from the BOD but still allows the BOD to withhold payment of commissions if a business manager should do a

Brunswig Pleads for Modernized Elections

by Fred Brunswig

The ASCIT elections used to be run with meetings of the student body. The nominations were opened at one, and the election rally was conducted as a meeting at which the candidates presented their views before the entire electorate. But the addition of the new Student Houses has given the candidates the opportunity to reach (which means trap) the electorate in their Houses at meal time. The election rally has become an occasion of celebration at which candidates must prove themselves under fire.

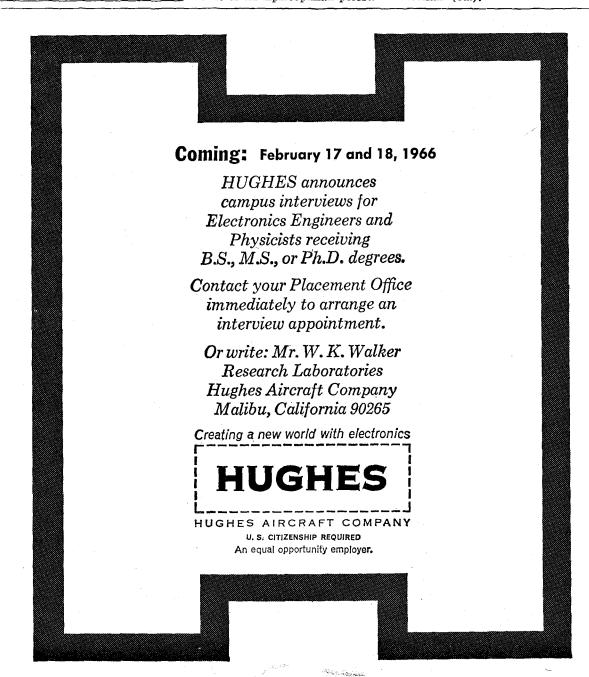
Thus through Proposition 2 the BOD and Excomm have proposed a number of minor changes in election procedure which allow a greater flexibility in procedure. The amendment will make legal the procedures which have proven most efficient in recent elections.

A special stipulation about the office of treasurer has been included to remove a contradiction in the ASCIT By-Laws. Under the amendment the old treasurer will remain a non-voting member of the BOD for a few weeks after the end of his term of office so he can finish the books for his fiscal year.

Kitagawa and Buddha's Nose

(Continued from page 1) When war was declared on Japan, like many other Japanese in the US, he was interred in a "relocation center." After the war he received his PhD from the University of Chicago, where he is now Professor of the History of Religions. Kitagawa's present theological standing is that of an Episcopalian priest.

Students who are interested in participating in the seminar are advised to read one of three books which are available at the bookstore and the Y Lounge. The books are: The Sacred and the Profane, by Mircea Eliade; Religions of the East, by Joseph Kitagawa; and Religion and Progress in Modern Asia, by Robert Bellah (ed.).



Sex, Violence, Satire, Pathos in More Other Campuses

(Continued from page 2) ough analysis of the student's progress are issued at regular intervals."

Carleton College, Minnesota. has adopted a system wherein a student is allowed to choose between letter and pass-fail grading in any given course, thus allowing students to take "screw" courses without indeed "screwing" themselves. The University of Minnesota even tried giving everyone in its general arts course an "A" to relieve the pressure. We could have told them that wouldn't work. Prof. Eagleson has tried it for years. Panty and bra

The fine young lads and lassies of the University of New Hampshire recently vented their sexual frustrations in a panty raid. The total loot for the good guys was "230 pounds of lingerie (that's women's underwear, Tecker), thirteen coeds, and a forty pound hunk of Exeter gran-

A candidate who doesn't write a campaign statement for the **Tech** isn't a candidate at all. Statements should be about 250 words long and be in our hands no later than next Monday at midnight.

idiorite." The corrupt and degenerate fuzz, however, managed to nab fourteen of the good guys during the event. Word from the MIT Tech is that the captives are being held for a ransom of sixteen pounds of lingerie per man. Would you trade your room-mate for sixteen pounds of panties? Fifteen? A dirty bra?

Julie Jerkins, a columnist for the LaVerne Campus Times, is probably the first person in recored history to put her literary finger on one of those little bits of Life-We-All-Know-About-But-Nobody-Ever-Talks-About. Quoth Miss Jerkins, "But I think what I love most of all (about walking in the rain) is to dreamily walk down the sidewalk, treading on snails, and then scraping their remains off my shoes later on."

Is it or isn't it?

Acadia University is now dropping out of competition with Playboy for the calendar concession. Six hundred and ninetynine copies of the latest student publication have been seized with the Head Provost's comment that the calendar "gives me the impression of a few tearouts from a girlie calendar."

The picture deemed most tasteless out of a shocking collection

of six shows 20-year old arts student (probably liberal) Diane Marshall reclining on a table with a nightgown pulled all the way up above her knees. The point of contention is not here, however.

What the administration claims is a breast, Diane claims is merely a fold in the nightgown. The obvious answer is a thorough investigation. Until the administration finds a way to handle the problem the calendars remain confiscated. Pictures for the Tech calendar will be taken today at noon. Applicants, please meet in front of the statue of Apollo.

No staid journalists they.

In an experiment designed to flex their journalistic muscles, the editors of the Redlands Bulldog put out their January 12 issue in a down-to-the-last-detail Time magazine format, complete with glossy red-bordered cover and the signature of the editorin-chief on the masthead page. This one-shot switch from a newspaper to a news magazine was, in Editor Stillman's words, "to try a new method of covering the news . . . and to evaluate its effectiveness." The magazine, according to Stillman, represented approximately 700 man-hours of effort on the part of the staff. Time magazine was chosen because it "is the leader in its field and is stuffy enough to lend itself to imitation." But perhaps not this kind of imitation.

Ravenholt Talks on China

(Continued from page 1)

tion of Mao's works in place of the classics as a guide to life. It is more than an intellectual exercise; Olympic ping-pong players and Manchurian oil drillers attribute their successes to the thought of Chairman Mao. This thought and its application to living will have a basic influence on generation after generation of Chinese, just as the Confucian classics dominated Chinese thought from 300 BC to 1900 AD.

Lascivious law

To adapt the thought of Mao Tse-Tung to the life of the average peasant, the Chinese Communist Party has available to it an organization far more organized and far more integrated into the country than ever was the case in Russia. Giving the introduction of a new marriage law as an example, Ravenholt told how all the wives in the community would go to nightly meetings, and how each one would stand up to explain publicly how she had applied the new law in her private life. If she did not go into intimate details, she would be severely criticized for her lack of candor. So far does the long arm of the Party reach.

Ravenholt offered two courses of action almost mathematical in their completeness. You can either pull out (as we have already done in Laos, Burma, and Cambodia) or you can heavily

commit yourself (as in Viet-Nam). About pulling out, Ravenholt warned that it made staying in the next place all the more difficult. Concerning the Viet-Nam war, he characterized antiguerilla action as mainly political, using the Philippine Huk revolt of 1948 as an example. Ravenholt suggested deep study of the successful anti-Huk campaign, which was concluded with a ratio between guerrillas and government troops of 1.1 to 1.0.

Thought-Healing Lecture Tonight

"Are You Thinking?" is the title of a Christian Science lecture by Sylvia N. Poling, CSB, to be delivered this evening at 8 in Dabney Lounge. The lecture is sponsored by the Christian Science Organization on campus.

Miss Poling is on tour as a member of the Board of Lecture-ship of The First Church of Christ, Scientist, in Boston. She resigned from the teaching profession in 1950 to devote her full time to the public practice of Christian Science healing, and is also an authorized teacher of the religion. She is a resident of Phoenix, Arizona, and a graduate of Arizona State University.

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Millikan Story Exposed; 38 Miles of Dirt Found

by Tim Hendrickson

"Well, we're building Millikan by the architect's specifications, which have been approved by Caltech . . . " Thus Don Granger, hard-hatted on-the-job superintendent for Turner Construction Company, expressed confidence Monday in rising Millikan Memorial Library.

But a job foreman was more critical. "Hell, there's nothing typical about this building. We don't even know if it'll hold up. You know, every three stories we got to stop and let Caltech here run seismic tests on it!"

If structural steel makes a building, though, the seismic tests won't disclose any major bugs in Millikan. Granger pointed out that "there's a lot of rebar (reinforcing structural steel rod) going in there, much more than in other buildings."

Zooming dirt

Excavation for the Library went some 23 feet down, removing about 7000 cubic yards of earth (enough to send a one-foot square column of dirt soaring 38 miles into the ionosphere). About 3000 cubic yards of earth were not hauled away, and still remain in front of Throop (enough dirt to fill a hole onefoot square and 14 miles deep). This mountain in front of Throop will be used to fill around Millikan after the basement is com-

Granger felt that the "mat-like foot structure" at the base of the excavation will be an adequate foundation for the Library. The footing required 500 cubic yards of concrete, weighing 1000 tons (2 tons per yard), most of which is in the 4- by 32- by 102-foot central mass. This is about onetenth of the total amount of concrete to be used in the library. In addition, some 60 tons of rebar were included in the mat.

No yo-yos

Granger described how the basement floor will be 5 feet above this footing; the space between the floor and footing is being filled with packed earth. Succeeding floors will be of 9inch cast concrete.

The Library will have a basement and 9 stories above ground (which vastly simplifies the blueprints: all floors from the second through the ninth are represented by one "typical floor" specification). Soaring 146 feet into the upper troposphere, Millikan will have a 14-foot differential between the top ledge of the out-

> STUDENTS, if you need HELP in fulfilling your language requirementinquire about tutoring services at BERLITZ, THE LANGUAGE CENTER 170 South Lake Ave. Pasadena

> > SY 5-5888

side wall and the level of the roof. Thus prospective vo-voers will need to bring a ladder with them to be able to reach or see over the wall.

Among the cabins in the shanty town inside the fenced area, the one labelled "Inspector" houses John McClintoch, who represents Caltech's interest in the Library and checks that the specifications of the contract are upheld.

Peiping tom

Granger corroborated the rumor that the fence surrounding the construction site was repainted by B&G, not by Turner Construction Company, during Christmas vacation. According to Granger, the awkward, embrassing height of the fence was specified by Caltech in the contract. More peepholes will be added to the fence in places not covered by the new artwork, "which looks much better than the old 'artwork'."

"By the time a building is done, the superintendent knows every litle piece." said Granger. With a ten-story building, that's a lot of little pieces. Let's hope they don't wiggle too much when the final seismic tests are run on the ninth floor!

Computer Runs Caltech Debate Tournament

(Continued from page 1) will be chosen to move into

the elimination rounds.

In addition to more equitable decisions as to winners, computer-control and the use of the high-speed printer allow each team to have its own copies of the entire tournament schedule before the first round and to furnish each participant with a complete record of results for every team in the tournament after it is over—all hopelessly impossible at other tournaments. Kim Gibson is serving as the vital link between the debaters and the computers for the second straight year.

Mailbox

Tournament Director Dave Close stressed that "all debates are open to visitors. Anyone interested, especially Caltech students, will be welcome." Caltech students can also help by volunteering to be timekeepers for the debates. Interested students should leave a note in Mr. Herb Booth's mailbox in Dabney as soon as possible. Debaters from Washburn University (Kansas), Kansas State College at Pittsburg, and Alabama will be staying in the student houses.

Rooms all over campus will be used Friday and Saturday. Debates are scheduled to begin at the following times: Friday, at 12:00, 1:30, 3:00, 4:30, and 7:30; Saturday at 9:30 a.m. Octafinals begin at 12:30, quarterfinals at 2:00, semifinals at 3:30, and the finals and awards at 5:00. First, second, and two third-place schools will be presented with trophies.

At this time 64 teams from 31 schools and eleven states have entered the tournament. One notable trend from last year has been a marked increase in girls representing out-of-state schools! Fully half the debaters from distant schools are of the fair sex. Washburn University, last year's winner, is returning to defend its

Teams from distant schools include Arizona State, Brigham Young, Lewis and Clark, Oregon, Pacific University, Southern Illinois, University of Arizona, Ne-

vada, Texas, Utah, Alabama, and Kansas State College at Pittsburg.

Schools from California include Caltech, Cal Poly, Fullerton, Long Beach, Cal State LA, Cerritos, Chapman, Loyola, San Diego, San Fernando, Stanford, UC Irvine, UCLA, University of the Pacific, Redlands, San Francisco, USC and Whittier.

Flash!

Tom McKenzie went to his first P-Chem lecture of the term yesterday! However, after staying up all night in order to make the class, he slept through half



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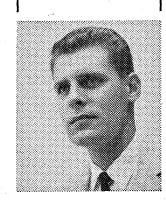


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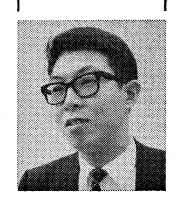
find the best paths to the outer planets

THOMAS J. MUCHA Ph.D. Aeronautical Engineering '65 Purdue University



build nuclear power systems for deep space exploration

KWAN-LOK SO M.S. Mechanical Engineering '64 Massachusetts Institute of Technology



672-3

Discuss opportunities with members of TRW's technical staff on campus FEBRUARY 10 and FEBRUARY 11

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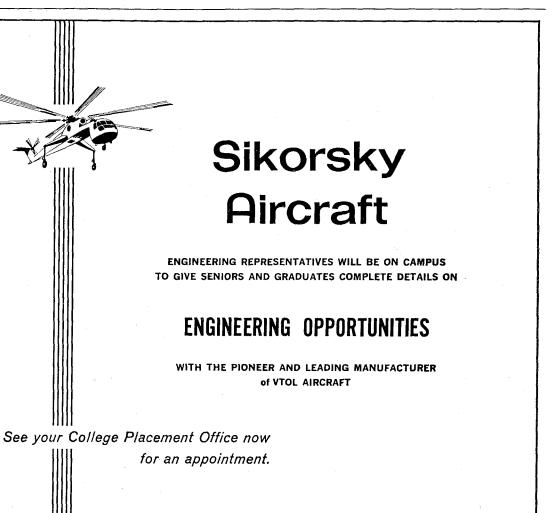
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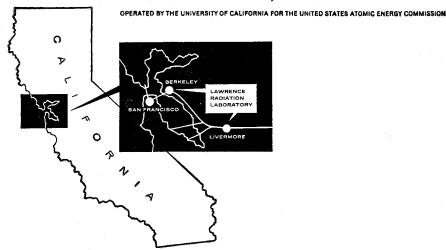
Tuesday, February 22

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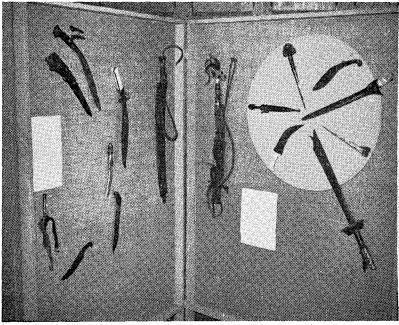


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Laboratory staff members will be on campus to interview Science and Engineering students

Wednesday, March 2
Call your placement office for an appointment.
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Knives, daggers, even a thigh stiletto (lower left) from the Philip S. Brown collection. The long blade on the left of the right panel is an authentic head hunter's knife. The other rather deadly toys represent a random assortment of Eastern cutlery.

Knives Decorate Dabney Lounge

When was the last time you saw a harlot's knife? There's one on campus—a knife, that is. In addition there are an 11th century Japanese hara-kiri dagger, a Nazi paratrooper's clasp knife, a "dagger of mercy," even a Jewish ritual circumcision knife in the Phillip S. Brown collection of "Dirks, Daggers and Devilish Devices" now on display in the Dabney Lounge.

This assortment of cutlery from three continents represents 27 years of collecting on the part of Mr. Brown and his late friend Mr. Leo Levy. The knives stem from India, Ceylon, Armenia, Persia, Corsica, Japan, Siberia and other outposts of the world.

There is an eighteenth century Spanish clasp knife that bears the inscription "Do not open me without reason or close me without honor." The blade is a foot long.

Strumpet

Many of the knives show evidence of ingenuity. There is a harem whip that has a long dagger in the handle. According to Mr. Brown, "If the whipping doesn't get them, you can stick them."

Knives from the Congo and Central Africa show practicality along with savagery. Most of the knives flare out at the end of the blade into a curved pointed blade so that even if the throw is off you can probably still rip off an arm or at least an ear.

The dagger of mercy is a foot and half long thin blade that was used only to end a fight; it was a coup de grace. Just the sight of the dagger was often enough to bring about surrender.

The knives, including the head hunter's sword and the three foot Japanese fighting sword, will be in Dabney until the end of the month. The display is open to the public from nine to five weekdays and from nine to noon on Saturdays.

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by P. Bare

Born on a mountain top in Tennessee,

Now it's flat as far as you can see; Raised in the woods til' he

smashed every tree, Mistaken for a b'ar when he was

only three ...
From these humble origins

arose a man who was to become a legend in his own time—a man who was to be known to the world as **Big O.**At an early age Big O's tre-

At an early age Big O's tremendous athletic abilities enabled him to excel in all sports. But rather than be good in everything he decided to be the **best** in one aspect of athletics: training table.

Receiving a bonus reported to be in the neighborhood of \$1,000, 000, Big O played professional football for the San Diego Chargers. But still Big O was the most sought-after athlete ever. Archie Moore claimed, "Give him six months under me in the salt mines and he'll be heavyweight champion of the world." Arnold Palmer went on record saying, "In one year on the PGA tour Big O could become the greatest golfer in the world." And Chef's Broiler said, "Give him six minutes in our kitchens and we'd be broke!"

It was Saga cheeseburgers that lured Big O to Caltech. Even as a frosh he amazed everyone with his speed and dexterity at wolfing down cheeseburgers. His friends love to tell about the time he consumed three cheeseburgers off patrons' plates while walking to his spot in the rear of the dining area.

To relax from the tensions of Caltech life, Big O enjoys taxidermy. For the last four years he has been mounting a dead polar bear, which he keeps in his closet during the day, and works on at night.

Outgoing Big O has many friends here at Caltech, who like to greet him by raising their right hands high in the air while forming an "O" with their index fingers and thumbs. Big O would certainly not be against more people doing this in the future.

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Congratulations

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for being

SCIAC

Player-of-the-week

Crippled Basketball Team Loses

Despite fine individual performances by several players, injuries kept the Caltech basketball team from breaking into the win column in the past week. Two regular forwards, John Tucker and Jim Pearson, have been sidelined, as well as reserve Les Fishbone. Several other players are also nursing minor wounds.

The week started off with high hopes; for three quarters it looked as if the Beavers could upset Redlands. Playing with plenty of guts, Caltech stayed ahead or even with the Bulldogs most of the way. They trailed by only two points at the end of the half, but could not keep the momentum going through the second half. With about five minutes left, Redlands, holding a ten-point lead, started to stall and Caltech had to foul to get the ball. Making most of their freethrows, the Bulldogs increased their lead to win 84-65. game was an extremely rough one; five technicals were called on Redlands and one on Caltech. Jerry Yudelson and Olson of Redlands were both ejected from the game after a brief scuffle. Yudelson and Terry Bruns led the Beaver scoring with 18 points each.

On Saturday the team traveled to Biola with only six able-bodied players plus Tucker, who could barely walk. The game started slowly, and the Beavers were behind by 14 points at half-time. The team fought back with determination and cut the lead down to two. With only seconds remaining, Ed Hsi had seemingly stolen the ball, setting up an easy basket, but the referee called a foul, and the two freethrows put the game on ice for The shortage of players

The deepest thinking is prayer. It involves the art of listening, and of loving - of always turning to God for wisdom. It brings rich blessings into our lives. We would enjoy having you with us to hear a Christian Science lecture on this subject, called "Are You Thinking?"

Christian Science lecture

by SYLVIA N. POLING

member of the Board of Lectureship of The First Church of Christ, Scientist, Boston, Massachusetts

8:00 p.m., Thursday, February 10 Dabney Hall of Humanities Sponsored by Christian Science Organization on campus.

fouled out and Jim Stanley was thrown out of the game, so the team finished the game with four players and a cripple. The scoring was well spread out, as Bruns led with 18, Yudelson had 16, Stanley had 13, and Don Blair put in 12 points. The final score was 74-70.

CHM again

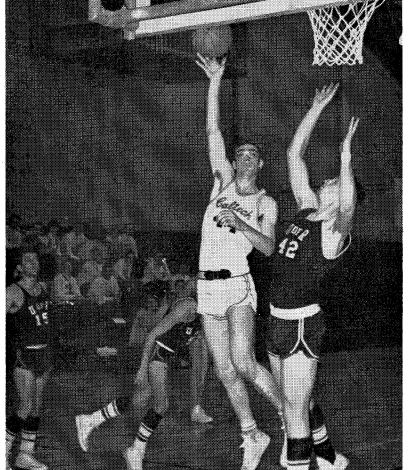
The game against Claremont-Harvey Mudd was a rather poor one. The team managed to muster eight healthy players, but with the exception of a spurt in the second quarter, they could not muster much momentum. The Beavers started off especially slowly; they trailed 7-23 at the end of the quarter. They managed to pull to 25-39 at the half.

was certainly felt; Doug Holford but after that CHM slowly expanded its lead to 30 points. Poor free-throw shooting and several turnovers hurt the team effort. Stanley and Yudelson led Caltech with 16 points each, while Bruns had 13. Yudelson was especially effective with shots from the top of the key.

Honor for Bruns

In tribute to his fine play throughout the season and especially in the game against Occidental, Terry Bruns was named SCIAC (Southern Cailfornia Intercolegiate Athletic Conference) Player-of-the-Week. He has led the team throughout with his scoring, rebounding, and allaround hustle.

(Continued on page 7)

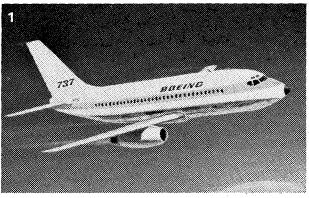


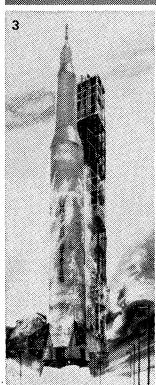
Terry Bruns shows his fine form as he puts in a hook-shot against Redlands last week. Note Pep Band in background.

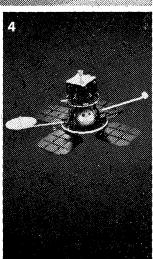
Engineers and Scientists:

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Campus Interviews, Tuesday and Wednesday, February 15 and 16











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(1) Boeing's new short-range 737 jetliner. (2) Variable-sweep wing design for the nation's first supersonic commercial jet transport. (3) NASA's Saturn V launch vehicle will power orbital and deep-space flights. (4) Model of Lunar Orbiter Boeing is building for NASA. (5) Boeing-Vertol 107 transport helicopter shown with Boeing 707 jetliner.

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Basketball!

(Continued from page 6)

The frosh team had their best game of the season against CHM on Tuesday. The score was tied 26-26 at the half, and with about eight minutes left the Beavers led 41-40. But they made a couple of mistakes and allowed ten straight points. They almost caught up, but CHM's stall preserved a 61-51 win for them. George Fox, Lonnie Martin, and Tom Burton all had very impressive games, doing almost all of the scoring and grabbing innumerable rebounds.

Wrestlers Triumph

The Tech wrestling team triumphed over Biola Saturday despite a shortage of wrestlers. Spotting Biola ten points because of forfeits in the 123 and 130 pound classes, the Beavers fought back to a 19-18 victory.

Mike MacLeod led off at 137 with a 32-second pin in the first round to make the score 10-5 Biola. MacLeod showed great improvement in this meet, cutting off six seconds from the time it took him to pin the same man last time.

Biola then moved ten points

ahead again when John Stevens was pinned in the 145 class. But co-captain Russ Crenshaw evened things up again with a first round pin in the 152 class. In his first match of the year Jim Woodhead, the other co-captain, lost a decision. After only two days of practice, he seemed

Comeback!

With Caltech eight points behind, three frosh wrestlers decided to show their elders how it's done. Rick Sacks, Joe Devinny, and Rich Griest each decisioned his man to earn the one-point overall victory.

too far out of shape to wrestle.

The team's record is now 3-5 with its next meet Friday night at Pomona. It should be a great one, as Tech lost by only a point in the first meeting between the two schools. Now more of the wrestlers are healthy, giving the Beavers a great chance of winning.

Tennis Teams Shine

The tennis teams have started the season on an optimistic note. The combined varsity-frosh have played two matches, each to no decision, while the varsity won one practice match.

The combined team broke even with the faculty in six singles, and the doubles were not played as it was too dark to complete the games. Also, some of the faculty were feeling the effects of the singles, while the superbly conditioned varsity and frosh were willing to go on. The doubles will probably be played off at a later date. The feature of the match was the remarkable comeback of Greg Evans just as Dr. Huttenback had him talked out of the first set in a fine example of gamesmanship.

The team journeyed to La Jolla to play the University of California at San Diego and wound up tied four matches each, with the frosh leading in third dou-

bles when darkness again caused a halt.

On Tuesday the varsity won against Loyola by the score of 5-2, as the Beavers won all but one of the singles. Despite missing their number one player, Caltech clearly overwhelmed the opposition. Loyola could muster wins in but one singles and one doubles match. (Two doubles were called because of darkness.)

The freshmen on the team have yet to lose a match and look as though they will provide Tech with a fine one-two punch. Although the varsity lacks an outstanding player, everyone is a fighter, and there is lots of competition for team positions.

As of now the varsity line-up consists of Jeff Pressing, Tom Buckholtz, Roger Davidheiser, Wayne Pitcher, Dave McCorroll and Dave Lischinsky. The frosh are John Healy, Greg Evans, Martin Frost, Burt Hoffman, William Fertig, and Richard Rubenstein.

The next match will be against Redlands this Saturday with the varsity at home and the frosh away. The combined team will play against the USC jr. varsity and frosh on Thursday.

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Frosh Discover Sex

ual needs," commented Dr. John Weir, associate professor of psychology, at the third Frosh Dinner Forum Friday night. Thus, Weir emphasized the importance of the topic of the forum-how one can deal with sexual frus-

His talk was at first devoted o an attempt to bring about an understanding of one's sexual drives. Everyone has various needs: food, shelter, love, and a feeling of belonging. Many of these needs are purely physical and others are emotional. If any of these needs are frustrated, anxiety results. Sex is as natural as any other need. It is a result of biology.

Can't get no

The need for sex is cyclic as are all other needs. If one is hungry and doesn't eat, his hunger will increase until it is satisfied, and then his need for food will fade. Similarly, if one does not satisfy his sexual needs tension increases until he relieves it or the tension is relieved in a nocturnal emission; his sexual desire will then subside for a short time.

Sexual desire also depends on one's condition. It increases with health and love, and it decreases with sickness and worry.

Weir went on to say that there is no one who does not engage in some form of sexual activity. Sexual tension will naturally build up, and it must be released in some way.

Evil apple

The remainder of the talk concerned sexuality in the context of society. Most of the present sexual values stem from the Western European idea that man is basically bad and therefore must do penence by suffering. Since sex is pleasurable, abstinence is good and indulgence, when it is not necessary for procreation, is evil.

When, during the question and answer period, Weir was asked about premarital intercourse, he said that the question is an individual one. Intercourse can only be satisfying when both parties are not worried about the consequences. Therefore, there can be no clear-cut viewpoint. It is personal attitude that determines if premarital sex is right or wrong.



Entering the realm of the Physikist this week, Axe sees two purveyors of the art in repose near the gymnasium after some strenuous effort. Suddenly the less dashing of the duo, one Gesundheit (of Oriental origin), feels the need to relieve himself of a large quantity of a clear, transparent fluid, of an amber color and peculiar odor, with an average density of 1.02.

Never saw it before?

Picking out the most obvious palm tree in front of the palace of athletics, Gesundheit had only begun to fight when what should approach but a car containing, among others, Yodelson and his date. Upon seeing the extraordinary display, Y becomes considerable incensed, whereupon Doug Bowlegs, the other member of the less-than dynamic duo, hastens to explain "He just came over from China!" . . . Exeunt

Perhaps this will serve as a lesson to those whose ambition it is to water the daisies: in the bushes, a Yodleson lurks, waiting to spring!

In the House of Phlegm in the week past, a lowly frosh of the moniker Aamarillaa had departed to visit IT, which resided in some far-off land (cf. the outside world). While he was out getting It, some of his more congenial companions decided that his domicile was a bit bare, and needed a bit of enhancement. Upon his return, poor A finds as a gift from the FHMMC and his friends a small desert, an oil rig, a pond, and a snake. His last words were Laawwd Aaalmightyyy. . .

Beak espies an annual excursion to the lovely resort of Aunt

Jane's, located in a quiet border village. Although the group of would-be sinners inspected every reach of the quiet residential streets, and frequented all hangouts of past goodolddays, no delights and/or pleasures worth having could be discovered. Except for one intrepid, Norkkis by name, who is currently visiting the palace of good health regularly in order to divest himself of the wages of sin. Beak notes with despair the closing of Aunt Jane's, for now it will live only in the memory of those who can remember the days when giants walked the earth.



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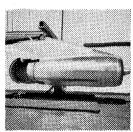
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