

Pike Impresses Audience



Larry Rabinowitz and Art Robinson, candidates for ASCIT president, are seated in front of twelve of fourteen candidates for other ASCIT offices. Standing, from left to right, are: Mike Misheloff, Steve Green, Tom Bopp, Don O'Hara, Jim Sagawa, George Cady, Bob McEliece, Bob Liebermann, Russ Brill, Larry Gershwin, Butch Niell, and Steve Morse.

—photo by Dennis Lomax

Voters To Poll Tuesday

Nominations for ASCIT offices closed last Monday night with at least one nominee for all but one office — editor of the California Tech. The disposition of the Tech will be left to the ASCIT Board. Elections will be held next Tuesday. The final list of candidates is:

President: Larry Rabinowitz, Art Robinson.

Vice-President: Tom Bopp.

Secretary: Don O'Hara.

Treasurer: Jim Sagawa.

Business Manager: Steve Green, Frank Matthews.

Social Chairman: Bob McEliece

Activities Chairman: Marc

BOD Announces Honor Awards

The BOD announced the recipients of Honor Keys and Honor Certificates last Monday night. Winners of **Honor Keys** are: Bruce Abell, John Arndt, Tom Bopp, Kerry Donovan, Bill Farrell, Pete Ford, Dean Gerber, John Golden, Dave Kauffman, Bob Koh, Tim Little, Pete Metcalf, Roger Noll, Don O'Hara, Julian Prince, Dave Pritchard, Chuck Radoy, Art Robinson, Jim Sagawa. Winners of **Honor Certificates** are: Dave Barker, Spicer Conant, Vic Engleman, Larry Gershwin, Bob Gilman, Barry Gordon, Bill Hassenzahl, Dick Hess, Ken Larson, Tom Latham, Bob Liebermann, Wendell Mendall, Lee Molho, Mike Perlman, Larry Rabinowitz, Dick Robertson, Carl Rovainen, Lance Taylor.

Kaufman.

Athletic Manager: Bob Liebermann.

Representative-at-Large: Russ Brill, Mike Misheloff, Steve Morse, Butch Niell.

BOC Secretary: Larry Gershwin.

IHC President: George Cady.

By-Laws

In addition to the general elections, our By-Laws revisions are offered for the students' approval. They are:

Changes in the By-Laws:

I. Elimination of the office of Business Manager.

1. Article 4, Section 1: delete "a Business Manager."

2. Article 4, Section 6: delete entire section, which reads: "DUTIES OF THE BUSINESS MANAGER. The Business Manager shall be a member of the Board of Directors. He shall report once each month to the Board of Directors upon the current status of the publications of the corporation. He shall have direct charge of the corporation offices and all corporation property. He shall be responsible for the issuance of official news releases concerning the corporation. He shall be chairman of the Honor Point Committee."

3. Article 8, Section 1: delete "Business Manager."

4. Article 12, Section 3: delete "Business Manager."

If passed, the revision will

take effect approximately one year from the election.

II. Revision of the Big T Business Manager's commission schedule.

1. Article 16, Part 1, Section 4: delete "a 20% commission of all advertising sold and paid for;" and insert "a 10% commission on the first \$2000 of advertising sold and paid for, and a 20% commission on all additional advertising sold and paid for."

This is an attempt to bring down the compensation received by the business manager to a level commensurate with the work involved. Advertising has averaged between \$3000 and \$3500 in the past few years.

III. Initiation of recall by the Board of Directors.

1. Article 11, Section 3: insert at the beginning "Upon 2/3 vote of the Board of Directors, or."

Both of the previous Boards have recommended this as a convenient and useful alternative to red tape previously involved. It should be noted that the change involves only the initiation of recall.

IV. Elimination of the appointment of freshman class officers for first term.

1. Article 5, Section 2, paragraph d: delete entire paragraph.

If this revision passes, elected sections leaders will conduct any first term business. Regular class elections will be held at the beginning of second term as is presently done.

Bishop Sees Compatibility Of Religion And Science

BY RICHARD KARP

Speaking on the topic "Religion, Science, and Technology," Bishop James A. Pike made his first major lecture as a Leader of America last Tuesday night in Dabney Lounge. In his well-attended speech, Pike attempted to show that religion does not conflict with secularism, but is actually a broader viewpoint.

Bug on a Rug

Pike began his discussion by considering a moth on a Chinese

rug. While the moth is on the rug, he can see only one section of it at a time and it is this section that influences him. For example, on the blue section he feels blue, on the white section he feels minute, etc. The solution to the bug's problems, felt Pike, would be for him to fly up above the rug, in which case three things can be noticed as the entire pattern of the rug becomes clear. First, when the moth gained his new perspective, he did not change the rug — he changed the meaning of the rug to him. Second, while on the rug, the bug is influenced by his surroundings — he is not neutral; and third, the reason for gaining this perspective is because the bug derives some benefit from it.

Pike Attacks Rightists In Discussion

BY J. C. SIMPSON

Bishop Pike began his series of talks to the student body Tuesday with a discussion in the Lloyd House conference room. Bishop Pike talked for about a half hour on "Radical Left, Radical Right, Radical Center," then opened the discussion to questions.

Bishop Pike began by explaining that one of the principal values of the term "Radical Center" was in getting people curious enough to come and find out what it meant. He then went on to define what he considered the danger in the radical right and left movements.

Rightists Doing Reds' Job

On the subject of rightism, the Bishop said that he felt the movement greatly exaggerates the danger of infiltration. This movement tends to divide us internally, and is "in a measure doing the work of the communists," as this internal division is what the communists are trying to achieve. He suggested this with a quote from Lenin: "We cannot destroy the center. We will leave that for the right to do for us."

Ax-Grinding

The Bishop does not disclaim the danger of communism, but merely holds it is exaggerated in order to be used for various purposes. A large portion springs from a "desire to grind certain other axes by way of communist threat." That is, because of animosity to certain domestic policies, these policies and their parties are called communistic by other parties.

The John Birch Society, Bishop Pike feels, holds the naive notion that we can "hole up" and survive with a policy of isolationism. The radical rightists who believe in completely severing contacts, he says, tend to include the avid bomb shelter supporters. Nevertheless, Bishop Pike feels that left must be recognized and dealt with, and an effort made to prevent the paranoia caused by exaggeration of the danger.

Radical Center

The Bishop then defined "Radical Center" as a viewpoint that

Life's Perspective

Pike then continued by explaining that religion is the perspective of the rug of life — not part of the rug itself, and secularism is a perspective of the rug from on the rug. Secularism, felt Pike, does not have room for everything — it is not adequate. The perspective of religion gives one the feeling that not only do the World and Things exist but God exists as well. This is supported by an old belief, stated Pike, that nothing can come out that didn't go in.

Pike also tried to demonstrate that science was not in conflict with religion. He felt that in science today we deal with the ultimate more than applications, and this gives a scientist greater awe and more room for a new dimension; and thus makes a scientist abler to accept the broadened perspective of religion which includes things other than included in the secularist beliefs. A scientist, speaking for science, is no more entitled to

(Continued on Page 2)

Notices

SENIOR WRITEUPS DUE

Seniors who have not yet turned in their writeups for the Big T should do so today or notify James Yee in Dabney.

Y SETS FILMS

This Sunday, February 18, the YMCA Film Series will present five shorts on war: "A Time Out of War," "The Disaster of War," "The Atom Strikes," "Bikini—The Atom Island," and "Venom and Eternity." The admission price is 75 cents.

GLEE CLUB TO BE AIRED

Radio station KPPC (operated by the Pasadena Presbyterian Church) will feature the Caltech Glee Club at 10 a.m. on Sunday, February 25. The program, "Songs of Faith," will play the 1961 recording made by the Glee Club.

RA'S WANTED

Graduate students or faculty interested in applying for Resident Associate in the Houses for 62-63 should contact the Master of the Student Houses before March 1. Graduate students should be in their second year or beyond.

(Continued on page 6)

Editorial

By-Laws Revisions

There will be proposals for four ASCIT By-Laws revisions on next Tuesday's ballot. Most of you will vote on these revisions, since they are on the general election ballot, so I would like to point out some reasons for your approving the changes.

1. **The consolidation of the jobs of ASCIT business manager and activities chairman.** At present, one person can easily handle the responsibilities of both jobs. There is no reason for ASCIT Board positions to be **unimportant**. If, in the future, there is too much work for the one man, suitable changes can be made.

2. **A reasonable salary for the Big T business manager.** I can see no reason for the Big T business manager to be paid more than any other publications worker (that includes Big T editor and **California Tech** editor and business manager). The new proposal of 10% of the first \$2000 and 20% of the rest will provide adequate remuneration.

3. **Initiation of recall proceedings of any ASCIT Board member by a 2/3 vote of the membership.** This recommendation is left over from the last Board. The Board **should** have the authority to remove those people from office who it feels are not doing their job. The Board should neither have to carry dead weight nor allow anyone to shirk the responsibility given him when elected.

4. **Why appoint first term frosh officers.** Certainly any business can be conducted by the officers elected second term. It really seems senseless to bend over backwards to put stress on class officers, a really insignificant area of Caltech student activities.

—abell

Bishop Pike

(Continued from page 1)

state that something is morally just, however, than a religionist, speaking for religion, is entitled to state that something is scientifically correct, according to Pike.

Kinsey's in the Bible

In his talk, Pike also demonstrated that he had a sense of humor as well as a sharp mind. Discussing an example afforded by the Kinsey reports, he stated that "... all the tabulations in it (the Kinsey reports) can be found in the Bible — by the way, that's a very interesting book! Some parts of it can't be read in church!" Pike also mentioned, commenting on his law experience, that he felt that not all lawyers are secularists — but it helps if they are.

Life After Death

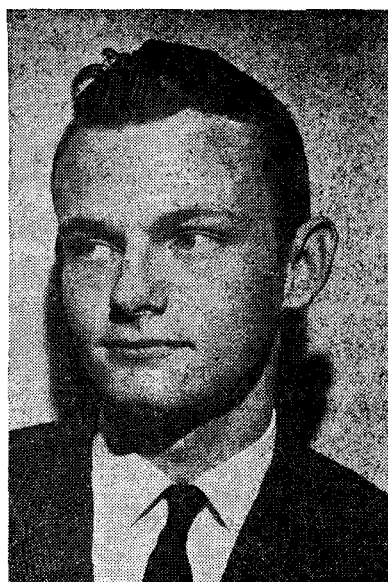
In a brief question period after his talk, some of the questions that Pike answered concerned such things as life after death. Pike felt that life after death, although an act of faith and not proven or disproven by science, does exist because it is

more plausible. Some of the reasons which he stated as making it more plausible were that we are more than just our physical selves, that every desire has its fulfillment (for hunger there is food, for sexual desire there is sex, so for desire for personal continuity there is personal continuity), and that the early Christian apostles would gain no benefit from propounding this doctrine if it were false. Another question concerned what Pike used to determine a myth; he expressed his feelings that a myth is an attempt to picture paradoxical truth. For example, each of us actually is Adam — both in Eden and being kicked out of it at the same time — and it is this paradoxical truth that the myth of Adam and Eve attempts to communicate.

Pike's schedule calls for his second and last major public speech to be given tonight. The topic of the speech is "The Future of Civilization." It will be presented in Dabney Lounge at 8 p.m.



Larry Robinowitz

—photos by Dennis Lomax
Art Robinson

Rabinowitz, Robinson Tell Programs For Broader ASCIT

There are several institutions or areas of student activity and concern with educative potential beyond that of formal classroom training which serve to make campus life interesting and worthwhile. The obvious centers of social life are the Student Houses. The YMCA and the special interest organizations provide cultural and educational opportunities. Intercollegiate and InterHouse sports provide athletic opportunities. Also important to some students is the chance to become acquainted with professors and research. And finally the honor system serves as the general campus philosophy.

It is essential that the role which ASCIT plays is one of participating in and stimulating these areas of student interest. ASCIT has a responsibility to be concerned with and responsive to the needs of students. Its major function should be that of developing and investigating new ideas and giving direction and stimulation to student activities and interests at Caltech.

(Continued on page 6)

The ASCIT president must serve two primary objectives. He must make ASCIT an effective body and see that it affects student life in a vigorous and beneficial manner. ASCIT's purpose is to use its funds and energy for the greatest benefit of the student body. It is to this end that the ASCIT president must always direct his efforts.

In a mechanical sense the president must be four things: an able representative of the student body to our faculty and to other schools; an energetic pusher of other ASCIT officers and appointees; an effective chairman so that the board may act responsibly and exert a positive influence in student life; and an open-minded collector of student opinion. I have been ASCIT secretary for the past year; and, in this capacity, I have learned well the mechanics of the organization. I have also served twice as class president, as secretary and actor in the drama club, as frosh camp counselor. I have participated actively in the ASCIT social program and

(Continued on page 6)

Tech To Enjoy Coast Debut Of "Island"

BY RICHARD KARP

"Island," an original play by Oscar Mandel, visiting associate professor of English, will have its west-coast premiere tomorrow night at 8:15 in Dabney Lounge. The play will be in the form of a concert reading by professional actors and is sponsored by the Caltech YMCA. Admission will be 50 cents for students, and \$1.00 for others.

"Island" attests greatly to the abilities of its author. The play is well-written, and presents an interesting question: Can any man be an island unto himself? "Island" is based on the play "Philoctetes" by Sophocles. It is concerned with the bow of Philoctetes, without which it was said that Troy could never fall to the Greeks. Philoctetes was one of the original members of the expedition to Troy, but during a sacrifice on the way a serpent bit him, causing a stench so great that he was left behind on the island of Lemnos. Ten years later, the Greeks find that they must secure the bow and arrow plus the voluntary help of Philoctetes to finally defeat Troy. At this time, Odysseus undertakes the task of convincing Philoctetes to return with him to help Greece, and it is at this point that the play begins. **All Men Are Traitors**

This introduction is summed up at the beginning of the play, and although the play does stick steadily to its objective, some interesting points are mentioned somewhat offhandedly throughout. Interesting statements include: ODYSSEUS: "Nonsense. All men are traitors to their country, but they keep it secret. And secret treason is the same as loyalty. The country thrives. All we need do is teach the boy to hide his feelings, and that will give us another patriot."

Technically, the play has the advantage that I could under-

(Continued on Page 7)

Engineers & Scientists

Discuss Current Openings with RAYTHEON

CAMPUS INTERVIEWS

Thursday, February 22

See your placement director now to arrange an interview with the Raytheon representative.

Raytheon offers challenging assignments for BS and MS candidates in EE, ME, Mathematics and Physics. Openings are in the areas of:

RADAR, INFRARED, MISSILE & SPACE SYSTEMS, COMMUNICATIONS & DATA PROCESSING, SOLID STATE, SONAR, ELECTRON TUBE & COMPONENTS TECHNOLOGY, MICROWAVE ELECTRONICS, MANUFACTURING & FIELD SERVICE ENGINEERING

Facilities are located in New England, California and Tennessee. If an interview is not convenient on above date, please forward your resume to Mr. G. C. Clifford, Coordinator of College Relations, Raytheon Company, Gore Building, Watertown, Massachusetts.

RAYTHEON

An Equal Opportunity Employer

California Tech

Published weekly during the school year by the Associated Students of the California Institute of Technology, Incorporated.

Editors

Bruce Abell, Dave Benson, Lee Molho

News Staff

Walt Deal, Richard Karp, Bob Liebermann, Jay Lippman, Pete Lippman, Charles Michener, J. C. Simpson, Marcia Thamm, Hal Wyman, Bob Greenwald, Matt Couch, Jim Johnson

Feature Staff

John Berry, John Crossman, Marc Kaufman, Roger Leezer, Bill Tivol, Bjo Trimble, Carl Rovainen, Steve Schwarz, Fletch Murphy

Sports Staff

Peter Ford: Editor

Vince Hascall, Steve Hall, John Letcher, Roger Noll, Julian Prince, Tom Salles, Gary Chamness, Rick Weingarten

Business Staff

William Rosenberg, Manager

Circulation: Howard Monell

California Tech, 1201 East California Blvd., Pasadena, California.

Member of The Associated Collegiate Press

Second Class postage paid at Pasadena, California

Printed by Bickley Printing Co.

Represented nationally by National Advertising Service, Inc.

Subscriptions: \$1.00 per term, \$3.00 per year. Write: Circulation Manager.

TOUGH CAMPAIGN AHEAD

Green, Matthews Fight Over Money

The duties of the Business Manager, as outlined in the ASCIT By-Laws, are of a general nature. Some little consideration reveals their being of less than monumental importance. Believing both myself and my opponent to be capable of fulfilling the enumerated duties of this office, I must then appeal my election on other grounds. It appears the position of business manager was not added to the BOD to fill any need, but that duties were assigned to it as a rationale for its existence. Perhaps this indicates that when the By-Laws were written, as now, the major importance of this office was its seat on the BOD.

Having given considerable thought to the function and purpose of the BOD, something which the BOD itself has not of late attempted to do, I am of the opinion that it could and should be a more central feature in student body life. Rather than being a coordinating body, a link between student and faculty, a center of control for all organizations, the BOD has become a thing apart from the maintenance of campus activi-

ties. As a member of the BOD I would try to help impart a direction to its traditionally aimless wanderings.

Steven Green

The duties of the ASCIT Business Manager have to do mainly with ASCIT publications. He is the BOD member who is responsible for contact with the California Tech, the Big T, and the Little T. He is chairman of the interviewing committee for the editors for both the latter publications. As ASCIT Business Manager I will do my utmost to find good men for these positions.

As a member of the ASCIT Board he helps form the policies of the Corporation. The purpose of the ASCIT BOD is to represent the student body to off-campus organizations, to appoint miscellaneous functionaries, to award letters, and to sponsor special events for students. I think that the last activity should be emphasized and expanded. I think that instead of one large Jazz Concert in the Pasadena Civic there should be more appearances of smaller groups both in jazz and folk-singing either in the lounge on the first floor of the new Winnett Student Center or in Chandler. These would benefit our student body more than the people of Pasadena and students at other schools nearby. This would reverse the present situation. In the short space here I have tried to express some of my thoughts on the job. I hope to meet many of you in the next week and discuss this more thoroughly.

Frank Matthews

Gershwin Wants BOC More Known

Having served on the Board of Control for two terms, I realize that a large number of students know very little about the Board. This is unfortunate, for the Board represents the student body when it is trying a violation of the Honor System. I think the new election procedures for Board of Control members will help increase communication between the Board and the student body as a whole, since there will be a Board member in each House. However, much more can be done. I would like to see a mock trial staged, taken from an actual case, so that students can see just how the Board operates.

Also at the meeting an explanation could be given of why so many of the operations of the Board are kept secret. Many people have asked me why certain things must be kept secret, and my answers have not satisfied them. Perhaps these questions could be better handled at a meeting for the student body as a whole.

In addition to serving on the board, as Secretary I would like to see everyone better informed of the workings of the Board and more impressed with the spirit of the Honor System.

Larry Gershwin

BOC Chair Important To VP Candidate Thomas Bopp

In many organizations, the office of vice-president is rather neglected. This is definitely not the case with ASCIT. The ASCIT vice-president has a responsibility to the students and faculty that is second to none among those entrusted to ASCIT officers.

The vice-president is chairman (without vote) of the Board of Control, that body which reviews all suspected violations of the Honor System. The importance of this body to the continued success of the Honor System at Caltech is apparent. The vice-president must insure that the operations of this board are smooth and beneficial to the Honor System.

The vice-president also has secondary duties as a member of the ASCIT Board of Directors. He must serve on committees, and must assume the president's duties in the latter's absence. I feel my past experience on the BOC, as well as my term of office as ASCIT Athletic Manager qualify me for ASCIT vice-president.

Concerning the duties of the vice-president, the ASCIT By-Laws state, "His primary responsibility shall be to insure the continuance of the Honor System as a vital force among the students." I promise if elected to do my utmost to fulfill this responsibility.

Tom Bopp

Kaufman Has More Activities

ASCIT Activities Chairmen have, in the past, been rather ineffective in their duties. I would like to change that. If I am elected, I will try to establish better cooperation between ASCIT and the campus organizations which it supports. I will also do my best to bring those speakers and performers to the campus that the student body desires, but which other organizations cannot afford.

The student body deserves more than they have been getting for their \$21 a year. I feel that I am in a position to effect this. I have worked with many campus organizations and have been social chairman of my House. What is more important, I am interested in seeing ASCIT do more for the students.

I invite questions or comments from any member of the student body with regard to student activities. Remember, I will be working for you, and to do the job effectively I will need to know what you want.

Marc Kaufman

Four-Way Battle In Rep-At-Large Race

The students of this school deserve, and have at present, an efficient and meaningful student body government. I have chosen to run for Representative-at-Large because the four principal duties involved in the office — BOD, the Red Cross Blood Drive, the Consolidated Charities Drive, and the keeping of the calendar — will give me the responsibility I desire and at the same time, give me an opportunity to do all I can to maintain and improve the present ASCIT government as effective as it is now.

I want this office for the reasons stated above and because I enjoy working with people and for a school such as Caltech. You should want me in this office because of my ambition, because of the experience I have had in student government, and most important, because I am willing to do more than that which is required of me. It remains only for me to remind you to vote and to wish my fellow candidates the best of luck in the coming election!

Russ Brill

I am running for the office of ASCIT Representative at Large because I feel that I have the desire and the ability to carry out the stated duties well. The job requires a great deal of leadership and organizational skills. I have received training and experience in these fields

McEliece Has Social Plans

In recent years, ASCIT function has been more subject to controversy and complaint than its social program. Naturally this kind of attitude is to be expected to some extent since campus social life is oriented on a House level almost exclusively. But I feel that the common complaint that too few people attend most ASCIT events to justify the large amounts of money spent is a valid one, and this situation needs to be remedied badly.

I therefore propose that ASCIT events be held closer to the campus (if not on campus), and that greater attendance at the events be encouraged. If elected, I plan to work through the various House social chairmen rather than past them, as has happened in the past. I have been a House social chairman, and my experience in that capacity has convinced me that the ASCIT social program can be made to work.

Bob McEliece

Athletic Manager Claims Experience

Although unopposed in my race for the post of ASCIT Athletic Manager at this juncture, I feel an obligation to the student body to present my qualifications for the office and my interpretation of its duties.

From my participation in intercollegiate football and baseball, I have gained a familiarity

(Continued on page 4)

while holding numerous positions of responsibility in high school and many organizations and by attending leadership training conferences at the University of Florida and the University of Miami. The ASCIT Rep must also have a sense of responsibility in order to carry out some of the less exciting duties of the office. I am very willing to accept this responsibility.

The most important aspect of this office is the fact that the ASCIT Rep sits on the Board of Directors. As the only underclassman on this body, I would make a great effort to familiarize myself with the opinions of the two lower classes in order to represent accurately the views of this large segment of the student body.

Mike Misheloff

The office of Representative-at-Large is not one that is primarily concerned with the momentous political issues of the day, such as declaring war on Red China or passing laws making unemployment illegal or stamping out the Communists on campus. But Representative-at-Large is an important office. Not only does the Representative-at-Large conduct such worthwhile activities as the Red Cross Blood Drive and the Consolidated Charities Drive, but he also does many jobs that many people take for granted, such as keeping the display case on Olive Walk up to date, and handling the distribution of student body cards.

I am running for this office for the simple reason that I believe that I can do these jobs efficiently and effectively. I have had experience in working on and directing a number of varied projects, I have learned how to talk to and deal effectively with people, and most important of all, I know how to follow instructions **correctly**. If you vote for me, you will **not** get wall-to-wall carpeting in the steam tunnels. You **will** get a hard-working and effective Representative-at-Large. The choice will be yours alone on February 20.

Steven Morse

The responsibilities of the Representative-at-Large are jobs that, to me, just seem to have gotten done. I didn't know until recently whose duty it was to maintain the calendar of events and the bulletin board on the Olive Walk, distribute ASCIT notices to the Houses, conduct the Charities Drive and Red Cross Drive, and print the second term student body cards. These are things of which some have to be done, and others which are done for the students' benefit. The Representative-at-Large is, in addition, a member of the Board of Directors and, as such, shares in the responsibility to the student body for the expenditures, appointments, and awards made by ASCIT.

All of these are jobs that need to be done, and I will do my best to see that they are done properly.

Butch Mell

IHC President Candidate Stresses Vigor

The InterHouse Committee has the potential, each year, of being a truly constructive and beneficial campus organization. Its members, the seven House presidents, are representatives of the whole student body, and their acknowledged leadership abilities should enable them to be a highly influential and constructive group. Yet in the past year this group's achievements have fallen short of the committee's high potential, so far short, in fact, that it helped to bring about the resignation of the IHC president in September, an action which certainly did not help matters at all. As secretary of this organization since October, I believe that I have been in a unique position to for-

(Continued on page 7)

Sagawa To Handle ASCIT Treasury

The ASCIT Treasurer handles \$14,000 in the course of one year. In general, his specific job is to keep his figures in every financial pie with which ASCIT is connected. In addition, he acts as a "representative of students" at the weekly Board of Directors meetings. Admittedly, the president has a large voice in ASCIT policy but the individual Board member must share responsibility for policy decisions. The treasurer, being one of the "senior" members, as well as keeper of the purse strings, must maintain an influential position.

Qualifications: two years class treasurer; ASCIT Business Manager; frosh camp counselor; various and sundry campus organizations.

Object: ASCIT Treasurer.

Jim Sagawa

frets and frails

Pete Seeger To Perform

BY JOHN D. CROSSMAN

On March 9, Pete Seeger will be appearing in a two-and-one-half hour concert under the co-sponsorship of the Bay Area CORE and Ed Pearl of the Ash Grove. The proceeds of the concert will go to help raise appeal bond money for the 13 Freedom Riders who are students at UCLA.

The concert will be held at the Santa Monica Civic Auditorium, Friday, March 9, at 8:30 p.m. Tickets are available at the Ash Grove, Tectron Records, and at all Mutual Agencies.

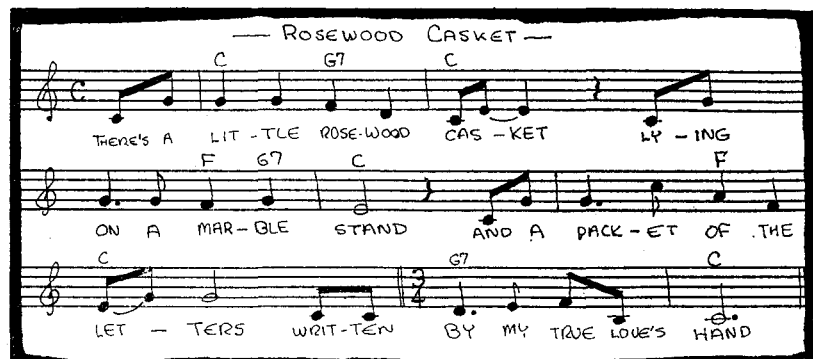
Although the concert unfortunately comes on the weekend before finals, it will be well worth attending if you can possibly spare the time.

* * *

Appearing presently at the Ice House are the Wanderers 3 and Suzanna Hall. Also, on Sunday night they have comedian Ray Hastings, who will emcee a hootenanny as well as performing.

The song I have chosen for this week appears in the new issue of "Sing Out." The song was popular in America over a century ago. Over the years the folk process has altered and adapted both the words and the melody.

The song can be heard on Folkways FA2393 by Mickey Miller, on Folkways FA2314, "American Banjo, Scruggs Style," and on "Blue Ridge Mountain Music" on Atlantic 1347.



2. Come and sit beside me, brother,
come and sit upon my bed
Come and lay your head upon my pillow,
for my aching heart falls dead.
3. Last Sunday I saw him walking
with a lady by his side
And I thought I heard him tell her she
could never be his bride.
4. When I'm dead and in my coffin
and my shroud's around me bound
And my narrow grave is ready
in some lonesome churchyard ground.
5. Take his letters and his locket,
place together o'er my heart
But the golden ring he gave me
from my finger never part.

graduate rattle

BY FLETCH MURPHY

Everybody's heard of the law which states that "the probability of the occurrence of an event is indirectly proportional to its desirability." This is, unfortunately, a law over which the individual has no control. Professor Coles has formulated a law which may be of more practical use. It states that "the amount of useful information derived from an experiment is inversely proportional to the total number of knobs, switches, and dials which must be adjusted in order to perform the experiment."

Rain, Rain, Go Away

With six solid days of rain not showing any signs of clearing until Monday, last weekend was a good time to take your best girl to watch people being washed down storm drains, or to a drive-in movie, or to watch the fellows building the Ark, or even perhaps on a lovely night-time drive in the San Gabriel Mountains to watch the mud-slides. And if you made it through the last week, like I did, without buying a raincoat or an umbrella, you're safe for life.

Telewatching

It seems that each of the Grad Houses is quite proud of its TV reputation. Keck is unmistakably leader in tube hours, while MJ is way ahead in man-hours. Braun has set some sort of collegiate record in time watching children's shows, while Marks is beyond reach in class-hours missed.

Ho! The Alarm

Last Saturday some impetuous inhabitant of MJ accidentally set off the House fire alarm, and he could hear the siren in the distance before he could take a step for the telephone. He tried calling anyway, but it was too late. Then he tried starting a fire, but it was too late for that, even, as Tech reporters were quickly on the scene, closely followed by an endless array of noisy red trucks splashing out of nowhere. It was a little annoying trying to convince the firemen to leave their axes on the trucks, but everything considered, it was fun, and Braun is going to do it this coming Saturday night.

Athletic Manager

(Continued from page 3)

with the intercollegiate program at Tech and an understanding of the problems of our athletes which will enable me to adequately represent the needs of Caltech athletics on the BOD and the Faculty-Student Athletic Council. As athletic manager of Ruddock for the past year, I have acquired valuable experience which will facilitate my plans for closer cooperation of the ASCIT Athletic Manager with the house athletic managers with respect to the functional aspects of the office.

I will endeavor to continue the precedent which Tom Bopp has set by securing delivery of the awards on time. In addition,

I will try to promote greater student interest and attendance at the fall and spring awards banquets. Above all, if I am elected to a position on the BOD,

I will make a sincere effort to work faithfully for the best interests of the student body as a whole.

Bob Liebermann



PETE SEEGER

Folk Music Concert

"FOLK SONGS AROUND THE WORLD"

Santa Monica Civic Auditorium
March 9 8:30 p.m.

063-2070

Tickets at Ash Grove, Tectron Records, Mutual Agencies

EDWIN PEARL PRESENTS

MIRIAM MAKEBA

last 4 days

opening Feb. 20
RAKHEL HADASS
MIKE JANUSZ

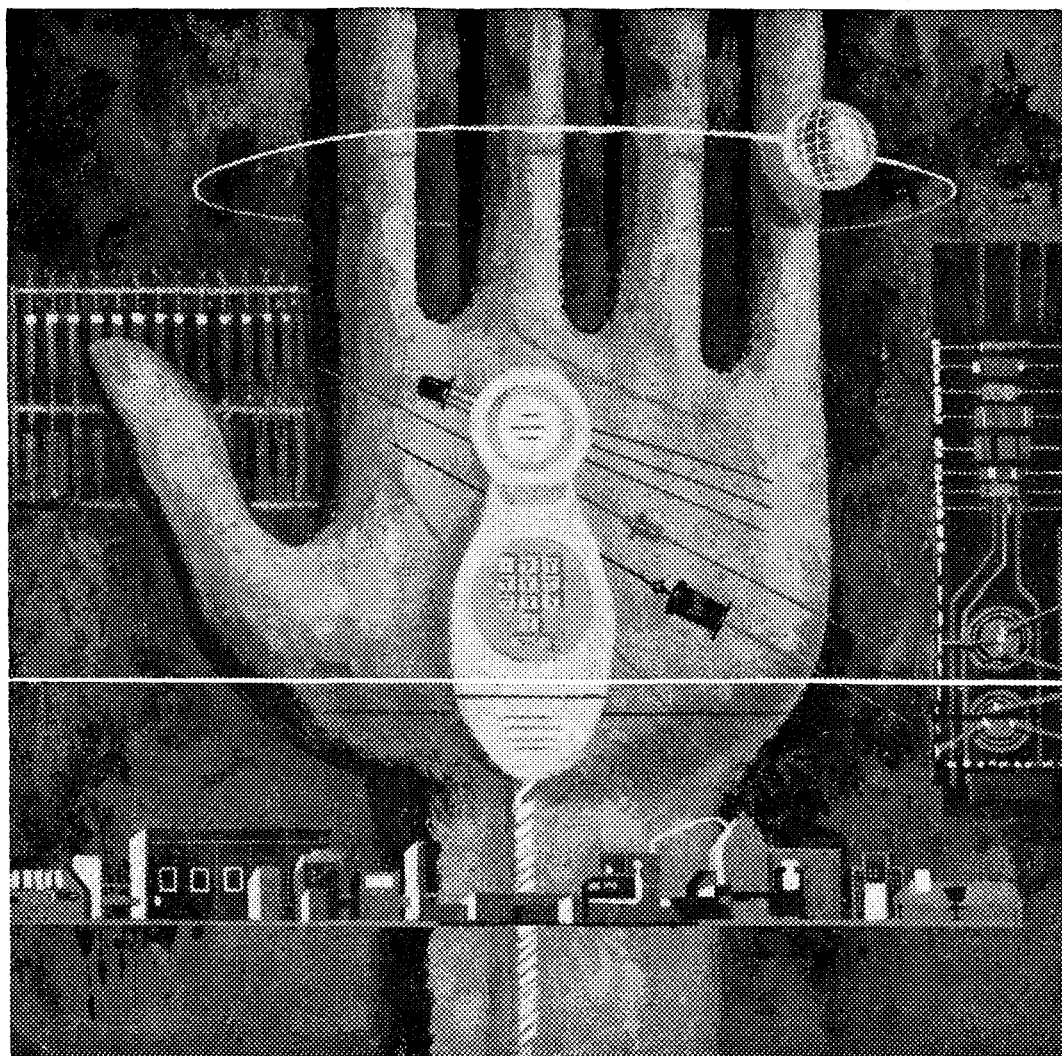
ASH GROVE

8162 MELROSE

OL 3-2070

ALVIN'S Photo Supplies

Finest Camera Store
With Competitive Prices
Processing +
504 South Lake
SY 5-4327



Our future is in the hands of men not yet hired

At Western Electric we play a vital role in helping meet the complex needs of America's vast communications networks. And a career at Western Electric, the manufacturing arm of the nation-wide Bell Telephone System, offers young men the exciting opportunity to help us meet these important needs.

Today, Western Electric equipment reduces thousands of miles to fractions of seconds. Even so, we know that our present communications systems will be inadequate tomorrow; and we are seeking ways to keep up with—and anticipate—the future. For instance, right now Western Electric engineers are working on various phases of solar cell manufacture, miniaturization, data transmission, futuristic telephones, electronic central offices, and computer-controlled production lines—to name just a few.

To perfect the work now in progress and launch many new communications products, projects, procedures, and processes not yet in the mind of man—we need quality-minded

engineers. If you feel that you can meet our standards, consider the opportunities offered by working with our company. In a few short years, you will be Western Electric.

Challenging opportunities exist now at Western Electric for electrical, mechanical, industrial, and chemical engineers, as well as physical science, liberal arts, and business majors. All qualified applicants will receive careful consideration for employment without regard to race, creed, color or national origin. For more information about Western Electric, write College Relations, Western Electric Company, Room 6206, 222 Broadway, New York 38, New York. And be sure to arrange for a Western Electric interview when our college representatives visit your campus.



Principal manufacturing locations at Chicago, Ill.; Kearny, N. J.; Baltimore, Md.; Indianapolis, Ind.; Allentown and Laureldale, Pa.; Winston-Salem, N. C.; Buffalo, N. Y.; North Andover, Mass.; Omaha, Neb.; Kansas City, Mo.; Columbus, Ohio; Oklahoma City, Okla.; Engineering Research Center, Princeton, N. J. Teletype Corporation, Skokie, Ill., and Little Rock, Ark. Also Western Electric distribution centers in 33 cities and installation headquarters in 16 cities. General headquarters: 195 Broadway, New York 7, N. Y.

AUDIENCE

THE TENTH MAN

at the Huntington Hartford

"Arthur: Look, you're schizo-phrenic and I'm suicidal — yet you want to get married.

Evelyn: Oh, but do you think it matters?

Arthur: Well, I do think it gives one pause for considera-tion."

Chayefsky's play, while not suicidal, is one of the more schizophrenic productions to be seen around town. The play is comedy in the true sense of the word. It is, to be sure, very funny; but at the same time the author, by taking a modern ap-proach to an old topic, has come up with a slick concoction of mysticism and psychology that is truly heartwarming. Chayef-sky's treatment — from the in-auspicious opening scene to the really unexpected ending, com-bined with a fine production, makes "The Tenth Man" worth seeing.

What is a Dybbuk?

First of all, do you know what a dybbuk is? (Admittedly this is a tricky question.) Quite sim-ply, it is a lost soul who, unable to go to its rest because of an unsettled life, takes over the body of some living thing to ward off the cold night air. The dybbuk, while dormant at times (especially when the spotlights

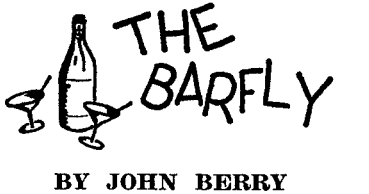
By Bruce Abell

are on another part of the stage) always seems to emerge at some crucial moment. ("Aha!" you say. "I saw 'Three Faces of Eve' and she was just nuts." "Well," say I, "that does give one pause for consideration.") Whether the dybbuk is really "Hanna Lu-chinsky, the whore of Kiev and companion of sailors" or simply a manifestation of the vivid imagination of a psychopathic young girl is unimportant (rela-tively). The author demonstrates his unwillingness to rely on either extreme by his personi-fication of both as people unable to live in modern society.

Whether Chayefsky has char-acterised or caricatured the people is of little concern. Most of us can't tell the difference anyway. What is important is that he manages to capture the spirit of the old Jewish men who sometimes act like children and seem to have twice as much fun. "All right," you say, "but why in a synagogue? Surely there are better places to have fun." The answer comes from Schlissel, who says, "I'm an atheist — if I had anything bet-ter to do, would I be here?"

The local production is expert-ly staged. Stage movements are meaningful and often half the fun. Moreover, the director is to

(Continued on Page 7)



BY JOHN BERRY

This week's drink is The Hop-toad. It is a very enjoyable ex-ample of how different from its base a very simple drink can taste.

THE HOPTOAD

3 parts apricot brandy
1 part lemon juice
Stir well with ice and strain into glass.

THE COMPLEAT BREWER
(Part II)

Preparation Procedure

Heat the open can of malt in boiling water long enough to improve markedly the viscosity of the malt fluid. Fill a clean crock one-third full of hot water. Conditions in the outside world being what they are, what with fallout and fallin, when I spec-ify a clean container I mean one washed with Clorox and rinsed with copious quantities of boil-ing water.

Add all but a half cup of the five pound bag of sugar. Then add the entire can of malt. Meanwhile put one-half or less

(Continued on page 8)

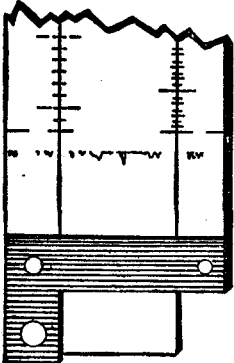
LENKURT ELECTRIC CO. is one of the world's major specialists in multiplex-ing and microwave radio equipment for telephone, telegraph and high speed data transmission; a principal supplier of this equipment to the telephone in-dustry, and a leading authority in devel-opment of electronic communications.

RESEARCH AND DEVELOPMENT are ex-tremely important in LENKURT'S op-erations. Continuing as a leader in the field of Communications requires not only keeping up with the latest tech-niques, but also advancing electronic science and product design. LENKURT does both in its extensive San Carlos Laboratories, while concentrating on product development.

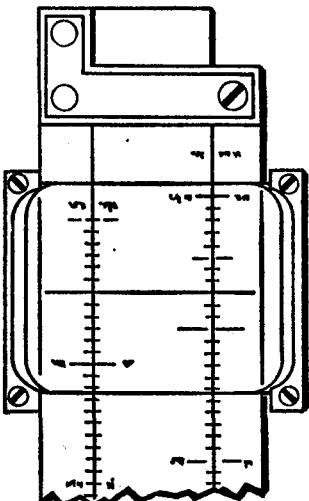
Our position is considered first in the industry and our equipment has won world-wide recognition for quality and technical refinements.

IF YOU ARE GRADUATING IN JUNE ... and are interested in finding more about Lenkurt, its opportunities and fa-cilities on the beautiful San Francisco Peninsula, contact your Placement Of-fice for an on-campus interview with Don Newton, Engineering Placement Officer.

LENKURT ELECTRIC
Division of GENERAL TELEPHONE & ELECTRONICS
1105 County Road
San Carlos, California



Thursday, Feb. 22



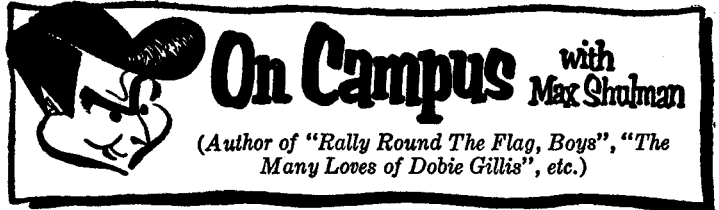
ELECTRICAL
ENGINEERS

LENKURT ELECTRIC CO.
is conducting on-campus interviews

FRENCH SPANISH GERMAN
RUSSIAN ITALIAN JAPANESE

THE BERLITZ SCHOOL OF LANGUAGES
PASADENA, 170 SOUTH LAKE AVE., SYcamore 5-5888

PRIVATE INSTRUCTION
SMALL CLASSES STARTING NOW
Native Teachers Day or Evening Free Trial Lesson



HOW TO BE A BWOC

Ladies, let me be frank. The days of the college year dwindle down to a precious few. And some of you—let's face it—have not yet become BWOC's. Yes, I know, you've been busy what with going to class and walking your cheetah, but really, ladies, becoming a BWOC is so easy if you'll only follow a few simple rules.

The first and most basic step on the road to being a BWOC is to attract attention. Get yourself noticed. But be very, very careful not to do it the wrong way. I mean, any old girl is bound to be noticed if she goes around with a placard that says, "HEY! LOOKIT ME!" Don't you make such a horrid gaffe. On your placard put: "ZUT! REGARDEZ MOI!" This, as you can see, lends a whole new dimension of tone and dignity.

Once you have been noticed, it is no longer necessary to carry the placard. It will suffice if, from time to time, you make distinctive noises. If, for instance, every three or four minutes you cry, "Whippoorwill!" you cannot but stay fresh in the minds of onlookers.

We come now to clothes, a vital accessory to the BWOC—indeed, to any girl who wishes to remain out of jail. But to the BWOC clothes are more than just a decent cover; they are, it is not too much to say, a way of life.

This spring the "little boy look" is all the rage on campus. Every coed, in a mad effort to look like a little boy, is wearing short pants, knee sox, and boyshirts. But the BWOC is doing more. She has gone the whole hog in achieving little boyhood. She has frogs in her pockets, scabs on her knees, down on her upper lip, and is followed everywhere by a dog named Spot.

All this, of course, is only by day. When evening falls and her date comes calling, the BWOC is the very picture of chic fem-ininity. She dresses in severe, simple basic black, relieved only by a fourteen pound charm bracelet. Her hair is exquisitely coiffed, with a fresh rubber band around the pony tail. Her



Don't You make Such a horrid Gaffe.

daytime sneakers have been replaced by fashionable high heeled pumps, and she does not remove them until she gets to the movies.

After the movies, at the campus cafe, the BWOC undergoes her severest test. The true BWOC will never, never, never, order the entire menu. This is gluttony and can only cause one's date to blanch. The true BWOC will pick six or seven good entrees and then have nothing more till dessert. This is class and is the hallmark of the true BWOC.

Finally, the BWOC, upon being asked by the cigarette vendor which is the brand of her choice, will always reply, "Marlboro, of course!" For any girl knows that a Marlboro in one's hand stamps one instantly as a person of taste and discernment, as the possessor of an educated palate, as a connoisseur of the finer, loftier pleasures. This Marlboro, this badge of savoir-faire, comes to you in flip-top boxes that flip, or in soft packs that are soft, with a filter that filters and a flavor that is flavorful, in all fifty states of the Union and Duluth.

© 1962 Max Shulman

BWOC: Buy Marlboro On Campus. Buy them downtown, too. Either place, you get a lot to like.

a hand of BRIDGE

BY BILL TIVOL

NORTH

S—A 10 7 3
H—A K 10 6 3 2
D—J 9 3
C—None

WEST

S—Q 5
H—J 4
D—K 10 7 2
C—K J 10 7 6

EAST

S—6 4
H—9 8 5
D—Q 8 6 5 4
C—4 3 2

SOUTH

S—K J 9 8 2
H—Q 7
D—A
C—A Q 9 8 5

North dealer; neither side vulnerable.

NORTH	EAST	SOUTH	WEST
1 Heart	Pass	2 Spades	Pass
3 Spades	Pass	4 No Trump	Pass
6 Clubs	Pass	7 Spades	Pass
Pass	Pass		

When this hand occurred at a recent tournament, only two pairs arrived at the grand slam. One pair used the sequence of bids shown above. This sequence involves an unusual response to the Blackwood four no trump bid. A jump to six of a suit below the trump suit shows a void in that suit and, if the responder has opened the bidding, two aces. If the four no trump bidder had opened the bidding, the jump would announce one ace and the void. A jump to six in the trump suit shows the same number of aces as the jump to six in a suit below the trump suit. This seldom-used response can be very useful on occasions such as this one.

South can reason that North must have at least one queen, and more than likely one king for his opening bid. There is, then, a possible heart loser, or a possible spade loser. However North is marked with four spades by his three spade bid, so he should have a good heart suit in order to bid it before the spades. Otherwise, North would run into rebid problems. Thus south can reasonably contract for the grand slam.

The other pair of bidders used a different, but equally effective bidding sequence toy arrive at slam:

NORTH	EAST	SOUTH	WEST
1 Heart	Pass	1 Spade	Pass
2 Clubs	Pass	4 Clubs	Pass
4 Spades	Pass	4 No Trump	Pass
5 Hearts	Pass	5 No Trump	Pass
6 Spades	Pass	7 Spades	Pass
Pass	Pass		

Here, the Roman responses are used to indicate two "connected" aces and two "unconnected" kings—the terminology may be under-stood if the four suits are thought of as being placed around a circle in order; a pair is connected if the two elements are adjacent on the circle. When South hears that North has the heart king, he can contract for the grand slam. Notice that voids are responded as kings.

Among bridge players there is often resentment against the use of new and somewhat complex bidding conventions. Blackwood is not new, nor is it complex. The Roman responses are new, but they, too, are simple. Somehow, it is surprising that people able to devote much of their bridge time to Blackwood did not use it to arrive at a superior contract. Youth is avenged.

Rabinowitz and Robinson

(Continued from Page 2)

The obvious apathy of students toward ASCIT is evidence that it has failed miserably in this respect, not only by not fulfilling its potential as a central student organization but more important, by not even considering this potential as a stimulative organization to be a part of its responsibilities. Instead, the Board of Directors sees itself as a bureaucratic machine, whose sole purpose is to perform specific duties and to provide money for specific activities and the special interest groups. Never has the BOD admitted its definite responsibility for active and intelligent interest in the intellectual, social and cultural desires of the students.

It is absurd that an organization which claims to represent the interests of the entire student body run as a service a social program which is wasteful because ASCIT works entirely apart from the Student Houses, that programs such as concerts be considered for the sole purpose of making a profit rather than providing worthwhile cultural opportunities, and that informative program possibilities are not even considered by the body which should be most responsive to the needs of the campus.

There are many programs which the YMCA presents which ASCIT might be able to do better as the representative of the entire student body. If the activities manager sat on the YMCA cabinet, making cooperation between ASCIT and the YMCA possible, ASCIT could assume a responsible role in stimulating student opinion on topics of current interest. ASCIT could also sponsor programs of the sort Occidental held in presenting Carlos Montoya or Whittier in presenting Joan Baez. A "cultural exchange" program between Caltech and Oxy might make it possible for each campus to present musical and dramatic activities of the other. A big-name band could be presented by Caltech and Oxy instead of our Christmas and Winter dances.

The ASCIT president has to represent impressively the campus in outside activities and represent the students to the administration and on the BOD through his familiarity with diverse activities. Having served or presently serving as a member of the BOC, a House UCC, the Y Cabinet and Public Affairs Commission, and the Educational Policies Committee, and having had personal responsibility for many campus programs, I am well qualified in this respect. The president must have an understanding of campus problems and opportunities which comes from personal involvement in programs. Only a dynamic, vitally interested president will be able to promote in ASCIT a concern and participation on a responsible, worthwhile level. I will try to be this sort of president if elected.

Larry Rabinowitz

(Continued from page 2)

am a member of the YMCA and Beavers. I have learned much from these experiences which will be valuable to me and to ASCIT if I am elected.

Since I have been closely associated with ASCIT and student life in general, I feel qualified to propose constructive changes and additions to ASCIT which will make it much more valuable to the student body. Also, since I know well the vehicle through which these programs must be expressed, I am well prepared to carry them out.

The new student center can have a very positive influence on our student body if it is ably used. It will make feasible many programs and associations which have heretofore been difficult or impossible. Hence, it is important in my plans for an improved ASCIT next year.

I see no reason why the efforts and finances of so small a student body as ours should be completely divided between the YMCA, the IHC, and ASCIT. I propose much closer relations with these groups. Such programs as the YMCA's recent Peggy Seeger concert could become much more frequent through ASCIT-YMCA cooperation.

Economy, too, is an important point. Having all the money it needs, ASCIT tends to spend too freely. For example, if ASCIT social events were moved closer to Caltech (to the Huntington-Sheraton and the new student center) and provided with less expensive bands, money could be saved for occasional big name bands or channeled into other activities. The closer location might also increase attendance and cooperation with house events. I propose similar measures of economy relative to other expenditures and a tighter rein on finances in general.

In short, I have constructive ideas resulting from a close association with ASCIT; I have experience with the machinery that can make those ideas reality; and I have wide experience in other areas of the campus and thus an understanding of our diverse student body. I ask your support in the coming election; I am certain you will be well repaid for that support.

Art Robinson

O'Hara Sees New Frontier For ASCIT

Caltech's most venerable election cliché is: "ASCIT needs to improve its communications with the student body." ASCIT has communication problems all right, but the cliché misses the point. The channels of ASCIT communication are reasonably efficient. No doubt there is room for greater lucidity and completeness, but no amount of literary excellence will make the approval of a frosh track manager more than mildly interesting to even a few people. The problem is not ineffective communication, but simply lack of anything to communicate. Most of the BOD's time is spent appropriating money, appointing people to office, and approving awards.

There are two reasons for the absence of more vital business. One is the relatively small num-

(Continued on page 8)

Twelve Schools Finance AUFS Foreign Studies

BY MATT COUCH AND JIM JOHNSON

In response to a steadily diminishing number of requests the International Affairs Staff will this week forego the usual analysis of a foreign area problem, giving instead a brief background on what the A. U. F. S. (American Universities Field Staff) is and does, and introducing next week's distinguished visitor.

An Even Dozen

The A.U.F.S. (sometime referred to as 'America's academic foreign service') is a "college" of about a dozen men engaged in on the spot study of particular areas of international significance from a political, sociological, or economic point of view. Each associate spends from eighteen months to two years abroad, returning every third year to report in person to the twelve member colleges sponsoring their studies. While they are abroad the Staff members communicate with the member colleges by means of the familiar A.U.F.S. reports... these are the thin pamphlets with a large blue band down the left side which can be found — well-hidden by magazines — in the Student House lounges, or prominently displayed in the Public Affairs room. These reports are sent not only to the member colleges, but are also requested by a large number of other institutions and organizations. At the present time the member universities are: University of Hawaii, Caltech, Dartmouth, Brown, Carleton College, University of Indiana, Michigan State, University of Kansas, the Associated Indiana Colleges, Tulane, Alabama, and the Harvard Business School.

Qualifications

When questioned about the qualifications for Staff membership, one of this year's visiting associates, Ned Bayne, mentioned the following basic criteria for membership: a profound knowledge of his area of inquiry, academic status, the ability to write well-organized essays, proficiency in public speaking, and the permission of his wife.

Next week's distinguished A.U.F.S. visitor, Dr. Reuben Frodin, is an expert on Nigeria, a country of no little significance in modern Africa. A report on his views will be presented next week in the Tech by the I.A.S.

ROTC Drill Team Places High

The Caltech AFROTC drill team thoroughly beat Occidental's team in placing 5th out of 17, in drill without arms, at the Sunshine City Drill Competition in Tucson last weekend. Sophomore cadet Doug Abe commanded Caltech's team, which was appearing in its first meet of the year.

The competition was sponsored by the University of Arizona on Davis-Monthan Air Force Base. It included a total of 40 teams representing Army, Navy, and Air Force ROTC units from schools across most of the United States, making it one of the largest such meets ever held.

The team will march against Oxy, UCLA, USC, Loyola, and probably San Diego State in its next competition early in April.

Academic Community Must Take More Interest In Foreign Aid

BY JAY LIPPMAN

It is time for the academic community to re-evaluate its attitude towards developmental assistance and take an active interest in it as a scientific activity. This was the theme of Dr. Walsh McDermott's lecture at the Technical Cooperation Seminar last Tuesday, February 6. McDermott, who is with the Cornell University Medical College, acts as consultant on science to the State Department. He emphasizes the systematic study of culture, society, and technology as a necessary prerequisite to a sound developmental assistance program.

Three Areas

There are three main areas for research in this field, according to McDermott. The identification of forces in modernization is a primary factor. The scientist must examine such things as population problems, social attitudes, and educational levels. The people in a given country are not likely to try to modernize unless they know why they are modernizing and what modernization means. Although education isn't the complete answer it is a necessary factor in the forces of modernization.

Historic Bypass

The second area McDermott

mentioned for research was what he called the historic bypass: "Problems bypassed in our growth because an alternative path existed." One example he presented was that in the course of the development of the United States; we never had to find a cure for infant diarrhea because it never became a serious problem. But it is a serious problem now in many parts of the world and we need to study the problem to find solution.

Simplified Technology

His third point was the need for the adaptation and simplification of technology so that the society will not suffer from "social indigestion" when these elements are introduced. Some of the social problems which McDermott noted need study are feudalism, filial moralism, and political structure.

Dr. McDermott concluded by saying that it is ridiculous the way American universities carry out their activities and research in international problems: "... a part-time effort on a quasi-amateur basis. Congressmen are mad at scientists in general, and they don't like foreign aid anyway. We need a real effort in the academic community before we can begin to see if our generalities can be established."

Pike Lounge Discussion

(Continued from page 1)

ical Center." Radical, he says, in this context comes from the Latin word meaning "foundation" implying independence in spirit and judgment. More precisely "Radical Center" implies "willingness to make decisions about certain ad hoc issues without reference to whether these line up in an easily associable position."

On this line he holds a true citizen should not align himself strictly with any policy, but should "call the shots as he sees them," according to his own personal judgment. The radical center, then, is the group of men who make personal judgments on each matter, and do not follow party stands. This, he says, is what we need more of.

Convictions Count

The Bishop also stated that a person's value as a citizen stems from his religious and ethical convictions. The flag-waving patriot is in no way as valuable a citizen as the man of the radical center. From his own standpoint, the Bishop feels, that a man should believe himself already in eternal life, and try to make this world more like the kingdom of God.

Individual Action

One of the points the Bishop stressed especially was the importance a single individual can have in shaping public opinion, if he uses his opportunities right. Cocktail parties, for instance, are perfect pasture for political discussions. He said that every person should try to be expert in a few fields, and always be willing to express his views in these fields.

The question which evolved the greatest reaction, however, was the disclaimer oath in the

National Defense grants. This question aroused quite a few comments from the gathering, indicating it is still a controversial matter here. The Bishop stated that he did not like the idea on principle. The only conditions under which he could see justification would be war or an open declaration that communism was unlawful. Even then he really did not like it.

Poetry Contest Announced

The American College Poetry Society has announced that its fifth semesterly anthology of outstanding college poetry is now being compiled for publication in May, 1962. Interested students on the campus have an opportunity to have their work published.

Contributions must be the original work of the student (who shall retain literary rights to the material), submitted to Richard Briand, c/o American College Poetry Society, Box 24083, Los Angeles 24, California, with the entrant's name, address, and school on each page. Poems, which may reflect any subject, should not exceed 48 lines, nor may any individual submit more than five poems. Entries that are not accepted for publication will be returned if accompanied by a self-addressed stamped envelope. The Society, this year, will offer Recognition Awards of five dollars each, to the five outstanding college poets. The poems cannot be otherwise acknowledged, nor can the Society compensate students for the work that is published. All entries must be postmarked not later than Thursday, April 12, 1962, to be considered.

IHC Prez

(Continued from page 3)
mulate ideas and opinions about what is wrong with the IHC and what can be done to improve it.

Certain mechanical aspects of the Committee can be improved upon, among them a change of the regular meeting time from the rushed twenty minutes after lunch to the more relaxed and productive time after dinner to facilitate better discussion of important and controversial items. I would also like to establish better cooperation between the BOD and the IHC. The fields of concern of these organizations are not mutually antagonistic, but complementary, and it is in the best interest of everyone that they work together. To illustrate what I speak of, the only contacts between the two organizations since October have been a single attempt by each organization to

(Continued on page 8)

Audience

(Continued from Page 5)
be commended for his handling of a tricky but vital business — putting on orthodox services (which would be in Hebrew in a synagogue) and losing neither the attention of the audience nor the authenticity of the prayers. By substituting appropriate English words and retaining the phrasing and melody of the Hebrew, Director Tyrone Guthrie has overcome what could have been a bothersome problem.

Excellent Cast

The play is blessed with an unusually fine cast. My own favorites were David Vardi, and Martin Wolfson. Vardi, who the program notes as "one of the founders of the Habimah, first Hebrew theatre", is completely believable and uproariously funny as the sexton who has to run out on the street on a freezing morning and solicit Jews to make up a quorum for the morning prayers. His recruiting energy seems to know no bounds, and when someone says: "A little man ran up to me and asked me if I were Jewish. I said 'yes' and he seemed to imply to me that he would kill himself if I didn't come along with him," it's an adequate sign of his talent. Wolfson, who plays the atheist who blames his utter confusion with the subways on the decadent capitalistic system, is simply a funny man. Both men originated their roles on Broadway.

The only woman in the cast is Risa Schwartz, daughter of famed Yiddish stage actor, Maurice Schwartz. Her part is not large, but central to the plot. Her dybbuk-inspired twitching outdoes any Techman on the eve of a final and, for a girl still in her teens, she has remarkable stage presence. She too originated her role on Broadway.

Grandfather of a Dybbuk

The only actor who was a little disappointing was Jacob Ben-Ami, billed as one of the stars. His part, though small, (he spends an awful lot of time on the subway), is important but his clipped style of speaking seemed a bit unreal, excited as he was supposed to be (after all, he was the grandfather of a dybbuk).

The play, which embodies a bit of sacrilege here and there, will not last forever. There isn't that much to it. But for as long as it manages to stick around it will be funny. Go see it.

Ricketts On Top As Rain Stops IH Football

Rain successfully wiped out InterHouse football action this week and the last four games had not been played as of Monday. Lloyd defeated Dabney, 18-7, in the only game played last week before the rains came. The Lloyd victory can be attributed to their solid defense, which effectively contained the Darbs on the ground while gathering in six interceptions. Depending on the condition of the fields, the last games were to be played this week.

The standings as of last Monday are:

HOUSE	STANDINGS
Ricketts	5-0
Lloyd	5-1
Page	4-1
Dabney	2-3
Fleming	1-4
Blacker	0-4
Ruddock	0-4

The next InterHouse sport schedule is track. If the track and field are in appropriate condition, the field events will be run today and the finals in running events will be held tomorrow.

Island

(Continued from page 2)
stand it and follow it through, no mean task for any playwright since my knowledge of Greek drama is strictly negligible. The strength of some of the statements is somewhat lessened because of the use of modern English contractions, nonetheless this is much more evident upon reading the play, rather than upon seeing it. On the whole, however, Mandel's work is well-written, thought-provoking, and entertaining.

Professional Cast

The cast that will read the play tomorrow night is, on the whole, very good. The music, by Gene Benton, is noticeable most by its absence during the majority of the play; but the smoothness of the production is a tribute to director John Houlton. Interesting innovations by the director include rudimentary action, which does much to add to the reading, and an interesting way of telling the "good(?)" guys from the "bad(?)" guys. The actual reading abilities of the cast are very good. I only noticed 3½ obvious mistakes in the reading, and these were soon forgotten.

Harold Innocent as Philoctetes is excellent, although he really doesn't "look" as I picture Philoctetes to look. Barry Atwater as Odysseus is also excellent, and he does have the additional (although minor) virtue of "looking" like an Odysseus. David Ossman is strong as a Demodocus, as is Norman Belkin as Heracles. Balkin's first appearance as Heracles is, however, more powerful than his second appearance, later in the play. The other role of Belkin, that of Medon, is more of a minor role. The supporting cast is also very good, and their assortment of accents make their readings interesting. In short, I feel that any time spent at tomorrow's reading will be well worth it.

Tech Cagers Beaten By Redlands, Riverside And Oxy In Disappointing Series Of Games

BY RICK WEINGARTEN

The Varsity five lost three more games this weekend, all losses being recorded on opponents' courts. First Redlands defeated the Beavers to the tune of 69-47, then, the next night Riverside repeated 78-58. Oxy supplied the finishing touch, 83-59, last Tuesday.

Though Redlands was playing without Schroeder (out with a broken finger) and Fey (graduated mid-year), the Bulldogs didn't miss them as they swamped the visitors, pulling away to an early lead and never looking back. Smith, the Redlands guard, spearheaded the attack with countless assists and good shooting. Smith is leading the nation in shooting average, 62 percent and scored fifteen points in the game. The scoring was fairly evenly distributed with Noll and Bopp getting eleven and nine points respectively to lead the team.

The Riverside game started out on a different note as Tech played even with the opponents for the first ten minutes; but

the game ran downhill and it was soon the same old story. Dick Burgess, in his first start in a long while, came through with eighteen points to tie Noll for game high-scorer.

Tech went to Oxy hoping to atone for the two weekend losses to teams which they had almost beaten the first time. But the gym was just too much for the Beavers who were unable to control the ball in the tight confines of what Oxy laughingly calls a basketball floor. The Beavers played a fine first half, led by the shooting of Gerber, who scored ten points in the half and wound up with fifteen to lead the team. At the half Oxy only led by 9 points and looked quite beatable. But in the second period it was a different story as the Tigers started to work their fast breaks and to hit the outside shots.

The Beaver offense was working very well the first half, as the plays were run quickly and sharply. Roger Noll and Tom Bopp combined some fine passing and shooting to keep Tech

in the game. Bopp and Noll each ended up with eleven points right behind Gerber in team scoring.

Week high scorers

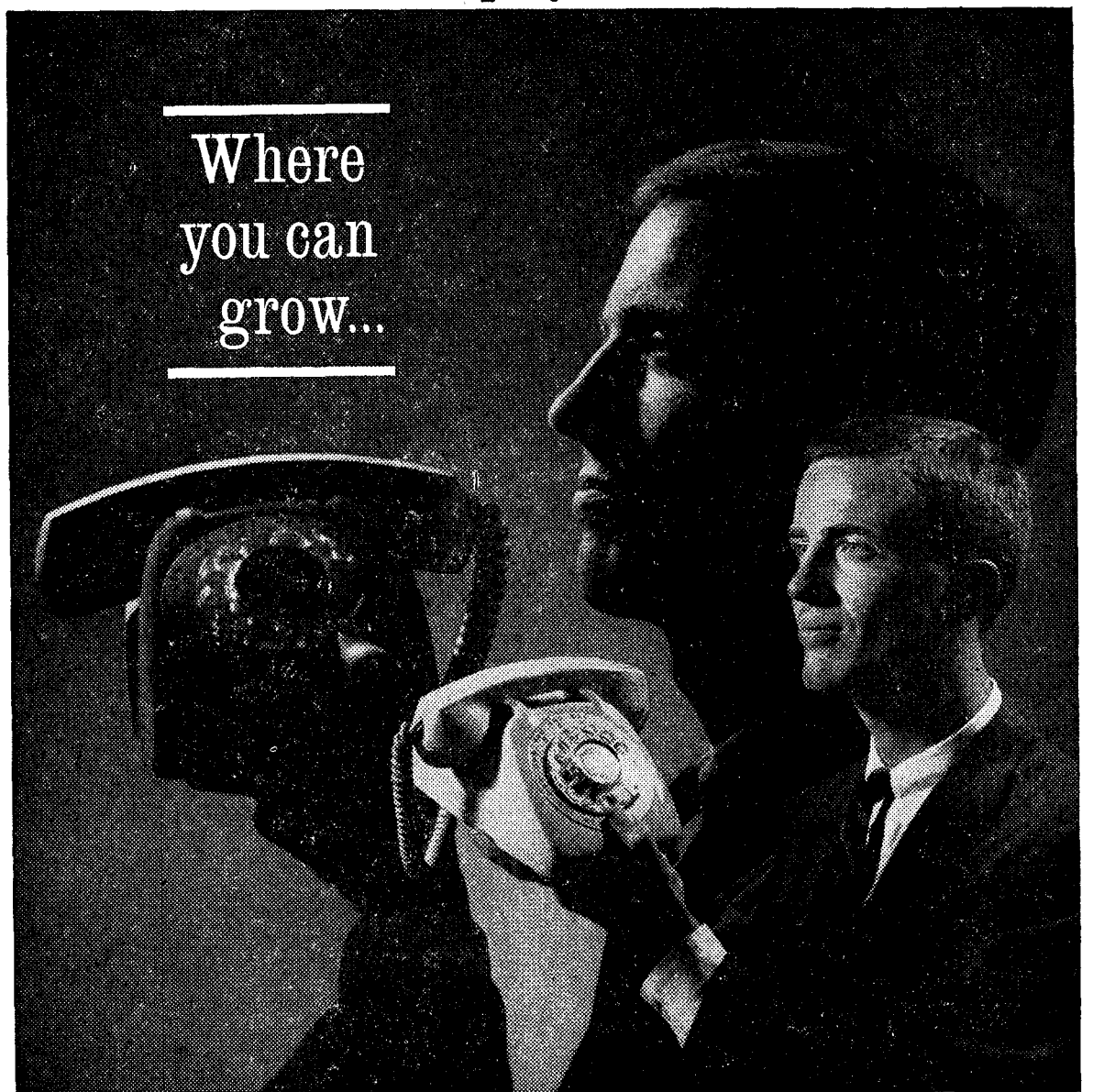
Noll	40
Burgess	29
Bopp	28

Discobolus Trophy Returns to Dabney

Lloyd defeated Blacker, 4 to 1, last week in Discobolus ping-pong to take temporary possession of the Discobolus Trophy. Dabney regained the trophy after its trip around the Houses by beating Lloyd 34-27 in basketball Tuesday. The current standings are:

HOUSE	STANDINGS
Dabney	19
Fleming	14
Blacker	5
Lloyd	5
Ricketts	4
Ruddock	2
Page	2

An invitation to shape your own future...



General Telephone has tripled its size in the last 10 years — expects to double its size again in the next decade. With expansion such as this, there is an ever-increasing need for larger and more competent management teams.

In all of its activities—from research and manufacture to the provision of modern communications services in 31 states—General Telephone charts its own course.

To help you grow with the company, the General Telephone System provides planned training programs, and encourages and aids an individual in self-development. You are given every opportunity to chart your own course in accordance with your interests and attributes.

Your Placement Director will be pleased to provide you with a copy of our brochure on Management Careers at General Telephone.

Employment Opportunities:

The General Telephone Company of California has many employment opportunities for college-trained people. Contact your Placement Office for full information.

GENERAL TELEPHONE

America's Largest Independent Telephone System



Barfly

(Continued from page 3)

of a package of yeast into a pint of luke-warm water and allow it to become active before use. Fill the crock almost to the top (to a total volume of six and three-quarters gallons if you prefer 11% beer) and then add the active yeast. The final mixture should be about 80 to 90 degrees Fahrenheit.

Fermentation

Sit back, relax, light up a cheroot and wait. The beer will build up a big head after the first 12 hours if you use Fleischmann's Yeast. Attempt to maintain the 70-degree optimal brewing temperature, as this provides the most satisfactory brewing rate as well as keeping the conditions more favorable for yeast action as opposed to bacterial action. Placement of the crock in relation to a heat source is about the only method available. You may use an electric light bulb under a stand. The stand is very necessary if the floor tends to be cold.

Skimming the head is the favorite indoor sport of nervous brewers, but is really necessary only once a day, if that. In any case don't stir it up a lot, as this promotes bacterial action and can sour your beer.

Bottling

All good things must come to an end, and I'm afraid you will have to go to work shortly. Place the hydrometer in the solution the third day and follow its progress toward the "B" or "bottling mark." When it arrives (usually at the most inconvenient moment conceivable, like babies), plus or minus two to three hours you must bottle.

Some brewers argue that at this stage you may benefit by chilling the crock in ice, after it hits the "B" mark, for four to six hours immediately before bottling. This settles out a sediment layer that otherwise will definitely settle in the bottle if you do not chill the brew at this stage, so perhaps the only benefit is esthetic.

If you are not using a hydrometer, it is necessary to let the reaction go to completion. This will take about six days for the 11% beer, less for the more dilute. Clean bottles should be prepared by placing a level one-quarter teaspoon of sugar per stubby, or between a half and a level full teaspoon per quart. With the hydrometer, the sugar is unnecessary. In that case, additional sugar could lead to broken bottles during aging.

Siphon the beer into each bottle with a siphon hose, using your fingers to regulate the flow. Clamps don't work so well. However you can use the beer filler (optional), a real help. Allow a fairly fast flow to each bottle and stop as foam fills to the top. Don't delay capping too long.

(conclusion next week)

IHC Prez

(Continued from Page 7)

get the other to spend some money from its treasury.

I have had wide experience in committee work this past year, including being secretary of the Educational policies Committee and a member of the YMCA Cabinet as well as my experience in the IHC. If I am elected IHC President, and the Houses are careful to select their most capable leaders and constructive thinkers as House presidents, I look with confidence to a vigorous and successful year or the InterHouse Committee.

George Cady

ASCIT Secretary

(Continued from page 6)

ber of major student body problems and issues; little can be done about this. More important is the fact that most of the interesting questions which do arise are discussed solely by the Excomm or the EPC. This should not be the case; the Board should also discuss these issues, even if it means re-assuming some of the authority it has delegated. One possible means of coordinating the efforts of these committees with the Board would be to place the Chairman of the EPC on the Board in the spot which may be vacated by the elimination of the office of Business Manager. (The Excomm is already represented on the Board in the person of the ASCIT president.

This increase in the scope of the Board's activities should bring the more interesting aspects of ASCIT's activities to the forefront and could conceivably result in a resurgence of interest in running for an office on the BOD.

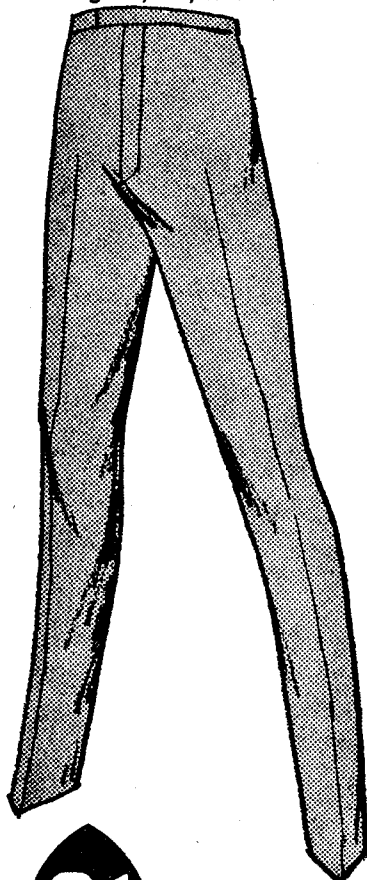
Communication is the job of a secretary. As ASCIT Secretary, I will competently perform the mechanics of communication; as a member of the Board of Directors, I will try to increase the interest and significance of the material to be communicated. As qualifications, I offer a year's experience as House Secretary and a year's experience on the BOD as Representative-at-Large.

Don O'Hara



"I'M UP
TO MY

junior year, and have I learned about women! To be a lover, you gotta look like one. Like me, in my A-1 slacks. Nowadays, when the girls snuggle up, they can hear my heart saying A-1, A-1, A-1."



Rapier

4.95 to 6.95

At your favorite campus shop



Gleep Gleeped

Off Campusman Random Gleep recently had smashing first date of year. He and date spend unsobering evening in apartment until 5:30 a.m., when both retire for remainder of evening. Both are too tired to make best use of bed. Gleep is rudely awakened by knock on door at seven. Our Hero, stumbling blindly to door, opens same to see father — who is also minister. E. G. attempts to burble explanation, but said farther, noticing odor of spirits on breath, bottles of same on

Brewins



floor, and female-type in bed, is not convinced. Great shades of purgatory.

Evil Expounded

Wouda Wench wins point with Plumbing House "Women are Evil Club" protector. After numerous comments from plowed protector referring to abovementioned evilness, wench replies that long sought-after definition of evil has been found. "It means unwillingness to co-operate."

Scurves Snowing

Toad reports more snow inside snow party than outside. Thin partition eavesdropping (Toad is also special agent for

the C.I.A.) reveals comments: "Gee, you're comfortable," with reply, "Well, dammit, you're not — move over."

Next weekend plans PJ party. Flicks taken thereat will not be shown.

Drugs Sundries Cosmetics Tobaccos
**CALIFORNIA REXALL
PHARMACY**
555 S. Lake SY 2-3156
Breakfast Lunch Dinner

THE CAMPUS BARBER SHOP

New Location:
South End of T-4
ALL HAIRCUTS
\$1.50

Two Barbers to Serve You

SUMMER JOBS IN EUROPE

WRITE TO: AMERICAN STUDENT
INFORMATION SERVICE, 22 AVE.
DE LA LIBERTE, LUXEMBOURG

HARRY'S ★ ★ CAMERA

COURTESY DISCOUNT TO ALL
CALTECH STUDENTS AND FACULTY
910 E. California Mu. 1-1388
Free Parking



Graduating Ph.D's, MS's, BSEE's

Exceptional
opportunities
with

SYLVANIA
near
SAN FRANCISCO

Sylvania Mountain View, 40 minutes south of San Francisco, offers you challenging scientific work on defense systems, plus ideal living conditions.

The work involves systems studies, design and development in frequency ranges from DC to daylight; it offers growth into scientific or management positions of responsibility.

Immediate openings exist in the following fields:

Operations Research
Systems Analysis, Design
Design and Development of:
Antennas, Receivers, Transmitters,
Transceivers, Servos
Analog Computers
Mechanical Design
Field Engineering

Sophisticated San Francisco's theatres, restaurants and major league sports are minutes away. The Pacific Ocean is near; hunting, fishing and skiing 3 hours' drive.

Furthering your education? Sylvania encourages, sponsors graduate study at Stanford and other nearby institutions.

See your Placement Officer now to talk with Sylvania's representative

ON CAMPUS, FEBRUARY 28

or write J. C. Richards, Sylvania MVO, Box 188, Mountain View, California

Sylvania also offers opportunities at Eastern, Midwestern facilities. Immediate openings for February graduates. U.S. citizenship required. An equal opportunity employer.

SYLVANIA ELECTRONIC SYSTEMS
Government Systems Management
for GENERAL TELEPHONE & ELECTRONICS