

ASCIT Elections Next Tuesday

Russ, Sallee Hughes Win Travel Prizes

Junior Travel Prizes for this year were announced by Dr. Horace Gilbert, Professor of Economics. The winners are Evan Hughes, Jr., John Russ, and George Sallee. The winners were chosen from among 11 completed applications.

Each of the recipients of a travel prize must select a project which they wish to study on their trip. This project, however, is not meant to be an all-encompassing work of art. The principal purpose of the project is that it serves as an excuse to make contact with other people, making the trip more than just an average tour. Sallee's project is a study of the European beet sugar industry, while Russ will study German and British church music and Hughes will study American universities in Europe.

The prizes this year were announced somewhat later than usual. The reason for this was that, for the first time since the travel prize fund was founded, there was a tie among the awarding committee and a decision had to await the return of a member who was out of town.

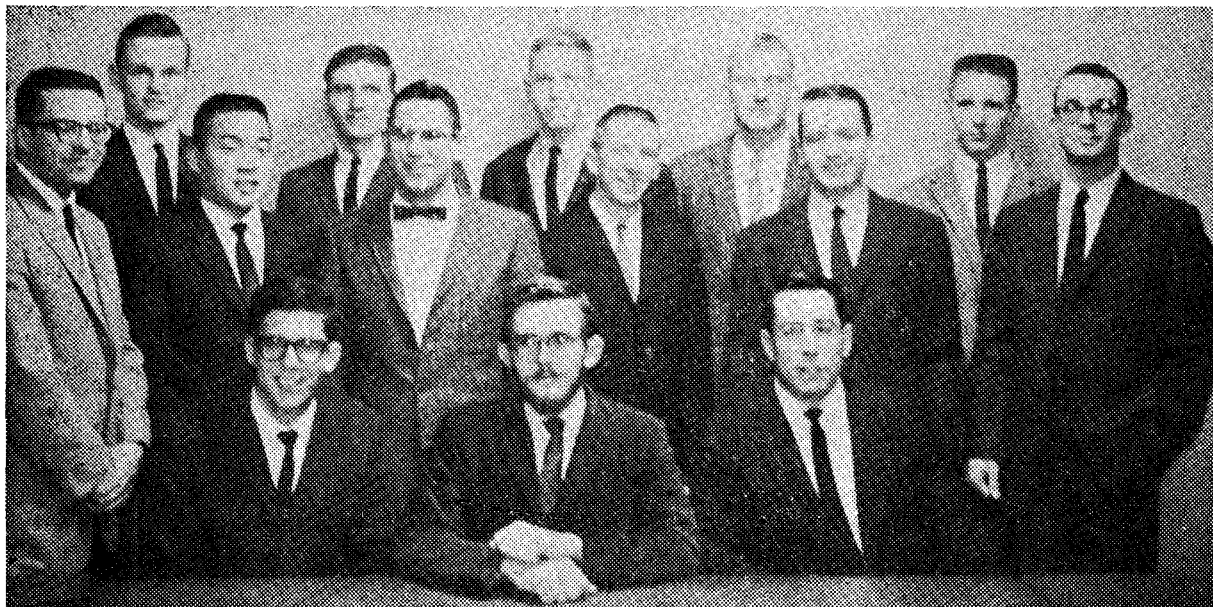
Each year the Travel Prize Committee invites a number of people in as many options as possible (not necessarily limited to those with honor standing). These people, or those among them who are interested, then attend a number of meetings at various faculty homes. The invitees then write a five to eight-page summary of their proposed project. From what the faculty has learned of the individuals and from the project report, the winners of the prizes are selected.

Formal Set Sat. At Beverly Hilton

This Saturday, February 18, the ASCIT Winter Formal will be held, featuring the musical talents of Wayne Songer's band. The dance will be held from 9 p.m. until 1 a.m. in the Cordova Room of the Beverly Hilton Hotel. There is no charge for admission to Tech students and dates.

The dress for the dance will be either tuxedo or dark business suit. If available, tuxes are suggested, and girls should wear formal gowns. Orchids are optional, and no special arrangement has been made for the purchase of them.

Wayne Songer is well known as a stand-in for Red Nickles. Due to the fact that Songer often plays for Nickles when the latter is on tour, Songer's name has become almost synonymous with that of his more famous friend.



Candidates (front row): Bruce Abell, Dave Benson, Jon Kelly; (second row): Lance Taylor, Jim Sagawa, Lee Molho, Howard Monell, Pete Metcalf, Jim Geddis; (back row): Art Robinson, Don O'Hara, George McBean, John Golden, John Arndt.

Hanna Concludes AUFS Series; To Discuss SE Asia Problems

BY MATT COUCH

Willard A. Hanna, the final member of the American Universities Field Staff to visit Tech this year, will arrive on campus next Monday, February 20. He will report on his recent travels in Southeast Asia, where, from his base in Kuala Lumpur, Malaya, he made, in particular, two extensive trips to Indonesia.

Hanna's analysis of conditions in Indonesia should prove to be interesting, as the following quote from one of his August, 1960, AUFS reports indicates:

"A few years ago, it was routine to call Indonesia the land of unlimited possibilities. Today, it is routine to call it the land of unlimited impossibilities. President Sukarno and his clique have now crowded out the more constructive, responsible national leaders. They have imposed such obstructions upon the nation's development that Indonesia lags a good ten years behind most of Southeast Asia, and anyone who seeks to push it forward seems certain to be frustrated. They have also induced such widespread forces of antagonism and anarchy that the one unmistakably limited possibility in Indonesia today is the possibility that the Sukarno regime can survive much longer."

Hanna has had a professional and scholarly interest in the Far East since 1932 when he went to China to spend four years there as a teacher. He earned his B.A. degree at the College of Wooster, an M.A. at Ohio State University, and a Ph.D. in English language and literature at the University of Michigan.

He served with the Navy from 1942 to 1946, reaching the rank of Lieutenant Commander. He landed on Okinawa with the occupation forces and stayed on until nine months after the end of the war as Chief of the Military Government Office of Education and Cultural Affairs. From 1947 until 1954 he held

senior posts in the U.S. Government information program. During this time he served for a year in the Philippines as Cultural Officer and for five years in Indonesia as Chief Public Affairs Officer. He attended the National War College in 1952-53 and then was assigned to Tokyo as Chief Public Affairs Officer for Japan, a post he held until August, 1954.

Most of Hanna's published works have appeared under the AUFS imprint. In addition he is the author of "Destiny Has Eight Eyes," a novel based on events in China in the late 1930s, (Continued on page 9)

BOD Announces 17 Honor Keys 20 Certificates

The awards of Honor Keys and Honor Certificates for outstanding participation in extra-curricular activities were announced last Monday by the ASCIT Board of Directors. The period of activity for which the award is rendered includes third term of last year, the first two terms of this year for underclassmen, and all three terms of this year for Seniors.

The awards announced are as follows:

HONOR KEYS

Bill Bauer, Larry Brown, Rod Dokken, Joel Donnelly, John Golden, Bob Koh, Sid Leibovich, Tim Little.

John Lohman, Roger Noll, Dick Norman, Dave Pritchard, Lance Taylor, Tom Tisch, John Todoroff, Gary Walla, Clyde Zaidins.

HONOR CERTIFICATES

John Arndt, Joe Blockage, Eli Chernow, Carl Hamiltotn, Rich Harris, Bill Hogan, Gary Ihler, Tom Keil, Gary Mitchell.

George Muenich, Julian Prince, Art Robinson, Carl Rovainen, Jim Sagawa, Oliver Seeley, Doug Shakel, Skip Stenbit, Joel Tennenbaum, Dick Thompson, Art Turner.

Trustees Pick New Members

Three eastern business executives have been elected to the Board of Trustees.

The new trustees are Robert S. Ingersoll, president and chief executive officer of Borg-Warner Corporation, Chicago; Frank Pace, Jr., board chairman and chief executive officer of General Dynamics Corporation, New York; and Thomas J. Watson, Jr., president of International Business Machines Corporation, New York.

Ingersoll joined Borg-Warner in 1939 and held managerial positions in several of its divisions until 1953, when he was named administrative vice president of the parent company. He became president in 1956 and chief executive officer in 1958.

He is a director of the First National Bank of Chicago, Container Corporation, the Chicago Association of Commerce and Industry, and the Chamber of Commerce of the United States. He is also vice president of the National Defense Transportation Association.

Pace has been special assistant to the Attorney General, executive assistant to the Postmaster General, and assistant director of the Bureau of the Budget. In 1949 he was appointed director of the Bureau of the Budget, and in 1950 he was made Secretary of the Army.

He joined General Dynamics Corporation in 1952 as executive vice president. He became president in 1957 and board chairman in April, 1959.

He is a director of many companies, among them the American Fidelity Life Insurance Company, Carriers & General Corporation, Colgate Palmolive Company, and Continental Oil Company.

Matson has been with International Business Machines Corporation since 1937, except for a five-year period (1940-1945) when he served with the Army Air Corps as a bomber pilot. He was elected president of IBM Corporation in 1952 and chief executive officer in 1956.

Annual Rally Set Monday

Tuesday's elections, preceded by the election rally on Monday night, features Bob Koh and Dave Pritchard battling for the office of ASCIT President, as well as 18 others running for the remaining offices.

Candidates' statements appear on pages 4 and 5 of this issue. The candidates have also been campaigning in the Student Houses and have posters on display.

The nominees are:
ASCIT President—Bob Koh, Dave Pritchard
Vice-President—Dean Gerber
Secretary—Art Robinson
Treasurer—Jim Geddis, John Golden
Athletic Manager—John Arndt
Business Manager—Jim Sagawa
Activities Chairman—Jon Kelly
Social Chairman—Pete Metcalf, Howard Monell
Rep. at Large—Don O'Hara
IHC President—Bill Hogan, Roger Noll
BOC Secretary—Spicer Conant, George McBean
Editor of the **California Tech**—Lance Taylor; team of Bruce Abell, Dave Benson, Lee Molho.

Also on the ballot is a proposed amendment to the ASCIT By-Laws to change the name of the Board of Directors to the Student Council. Proponents of the measure point out that Harvard has a Student Council. A two-thirds majority of total votes cast is needed to pass the amendment, so a Don't Care Vote, which is provided for on the ballot, has the same effect as a No Vote.

Directors Arrange Program For Sing

Preparations are now well under way for this year's Inter-house Sing, to be held next Thursday, February 23. Each House has completed the selection of at least two-thirds of the songs that it will sing.

Blacker House, under the direction of Gary Walla, will sing "O Come All Ye Faithful" and "The Vagabond."

John Lohman, Dabney president, will also direct his House in "Every Time," "Lorena," and "The Soldier's Song."

Fleming, who will be directed by Bob Moore, will sing "Johnny, I Hardly Know You" and, duplicating Dabney (or is it the other way around), will sing "Lorena."

Lloyd House, under the direction of Dick Thompson, will sing "Shenandoah" and "Aura Lee."

Gary Lorden will lead Page House in "You'll Never Walk Alone," "Tara-Tantara-Teino," and another song, not yet selected.

Ricketts, under the baton of Barry Moritz, will sing "Miserere" and "In That Great Gettin' Up Mornin'."

(Continued on page 10)

Editorial

Elections

We hope that the biggest question of the week is how to decide which candidates to vote for in the current student body elections. At least, whether you like it or not, some people chosen from the current slate of nominees are going to be spending your money, publishing the official campus newspaper, administering the Honor System, and trying to coordinate the Student Houses for the next year. Thus we strongly suggest that everyone be interested enough to attempt to choose the better man for each contested office.

The **California Tech**, as we promised a few weeks ago, has made a bigger effort than in the past to present the views and feelings of the candidates. We have published on pages 4 and 5 the answers to what we felt were the most significant questions that could be asked of the nominees for each job. We regret that we only had space to permit the people to write, in most cases, on only one topic.

In making up your mind on each contest we urge that you primarily compare the candidates' written statements and their speeches in the Houses. In the latter they will be presenting their personal qualifications and interest in their office, important factors which in most cases we did not have space to include in the **California Tech** and which we felt would make dull reading.

Try to decide whether the people who claim to have lots of new, fresh ideas also have the ability, the awareness, and the experience to really carry them out and to keep carrying them out over a full year of office.

In the contests in which there is a strong, outspoken candidate running against someone whose views are not widely known, try to judge the competence of the lesser known guy before arbitrarily opposing the stronger personality. We do not feel that a person who has held a position this past year which has forced him to reveal his weaknesses publicly should be turned down in favor of someone whose weaknesses you have not tried to discover.

We do not feel it is responsible voting to cast a ballot primarily on the basis of a few guys in the lounge or in the alley saying without qualification that they do not like a particular candidate or that they do like a particular candidate. In many such cases we have discovered that the person talking knows only one of the two candidates.

We like to think that Caltech students are clever enough to realize that the facts gathered from the statements, the speeches, and conversations with students who have met **both** candidates would be a more rational and responsible basis for voting.

We hope you will take an interest in the campaigns and try to vote wisely. —jt

Rotation Decision

The Interhouse committee will decide tonight whether to recommend an arbitrary assignment plan or the rotation plan to the faculty Student House committee.

We have sat in on all of the IHC's closed meetings on the rotation question and from our observations we feel it is fair to say that the decision reached tonight will be a carefully and reasonably thought-out result.

The presidents have shown all evidence of seeking the opinions of the members of their Houses and also of seeking to understand the reasons behind these opinions. The same has been true for the opinions of the Resident Associates, other faculty members, and the opinions of each IHC member. House conflicts and prejudices have been kept to a minimum.

We would like to commend the IHC for a good job of handling a very difficult problem. —jt

Letters

Student Council

To the Editors of the **California Tech**:

In the upcoming election a matter far more important than which obscure person holds which obscure ASCIT office will be put before the student body for their consideration. The proposed amendment to change the name "Board of Directors" to "Student Council" will shift the emphasis of the ASCIT ruling clique from being directors to being students. This shift is essential if we are to make ASCIT more responsive to the wishes of the students.

The BOD, in frantic attempts to bury the Amendment, first ignored it, then shifted it to ExComm for its recommendation, then ignored the ExComm's recommendation. Finally, last night in a second vote on the matter, the BOD reluctantly agreed to place it on the ballot as long as they could include an unprecedented Don't Care box along with the usual Yes and No boxes. Since a Don't Care vote is equivalent to a No vote under the BOD's interpretation of the rules, they hope that by the

inclusion of the Don't Care, the Amendment will lose. Under their rules, your abstention counts the same as Dave Pritchard's no. On the BOD, Clyde Zaidins has been the only member who dissented, feeling as does his pretty fiancée Flo Brown that "The Amendment will provide for greater communication between ASCIT and the student body."

One hundred fifty petitioners have urged the passage of this Amendment. We hope that the student body will join in the petition objective of changing "the pretentiousness of the past into the humility of the future."

David Kubrin
Al Bernstein
Al Pfeffer

Mayer Voices
New Opinions

PETER MAYER

Editor, **California Tech**:

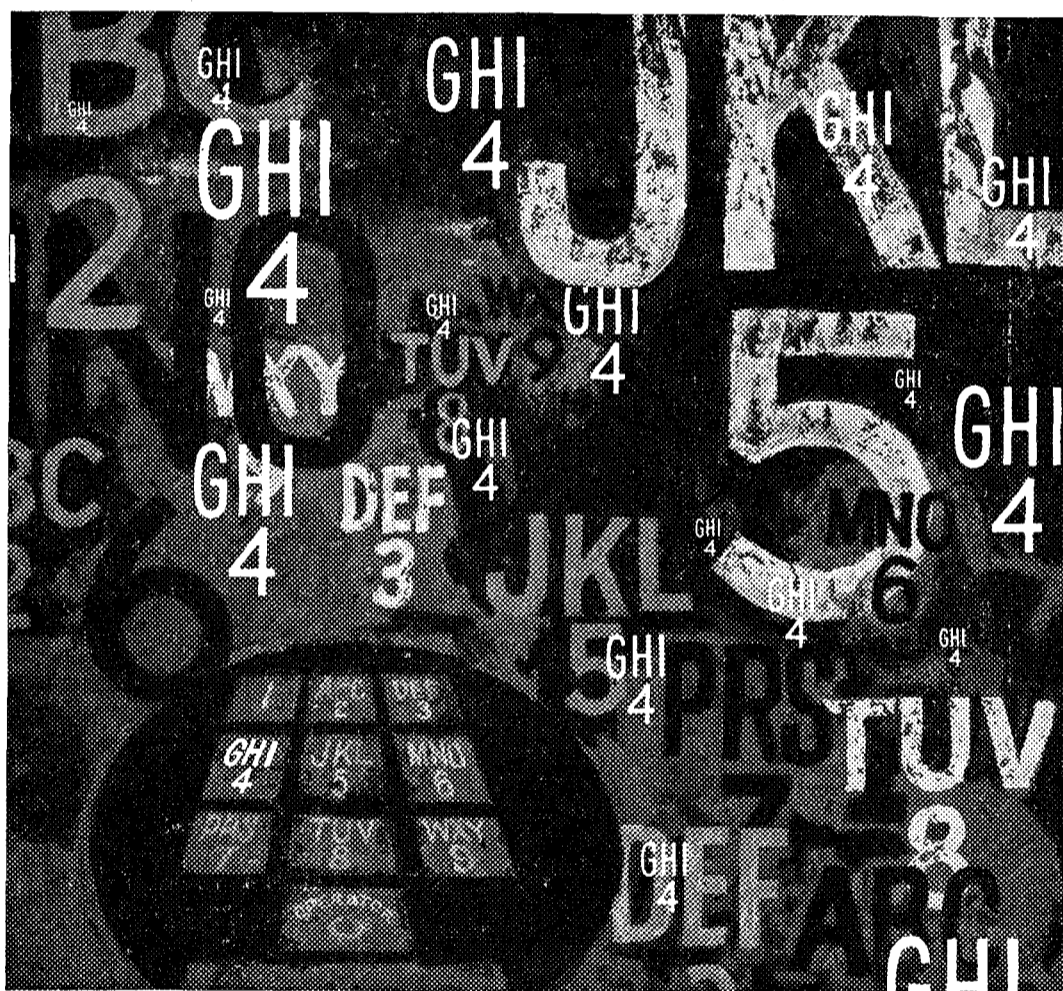
I think people forget what a neat device rotation is and how important a part of our education as future leaders in industry and of the country the experience of rotation has been. The value has been two-fold. It was the first experience at Caltech

which taught us how to use time and also taught us the finer social arts and polish. I will deal with the latter first.

The most important asset of rotation is the teaching of certain social graces that we would not be likely to learn elsewhere and certain not as well. Such graces are desirable and any chance one has to learn them should be used to the fullest. The first is that of making people feel comfortable and confident in a strange environment or more important the strange environment comfortable by your presence. This is done by the use of deception and refraining from making derogatory remarks when they are due. The importance of this grace and art in industry cannot be overestimated. Secondly, there is learning the importance of false modesty if one is not otherwise modest. If a person believes he is a neat guy for some reason — such as all the Houses chasing him during rotation — he should soon learn to calm his conceit unless he wishes to remain difficult to live with.

Before mentioning the third and last grace, I have to digress

(Continued on page 8)



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TECH EDITOR - TAYLOR

BY LANCE TAYLOR

Running a student body publication is a funny job. If the editor of a newspaper like the **California Tech** is good at what he's doing, then things are pretty much run-of-the-mill. The student body expects, and gets, a good newspaper every Thursday.

On the other hand, if the editor is not so good at his job, then all Hell breaks loose. At a school like Caltech, where the paper has been consistently good for the past four or five years, a sudden decline in the quality of the paper would rank as a disaster almost equal to somebody's blowing up the Student Houses.

I don't want this situation to come about. That's why I'm running for editor of the **California Tech** — the campus needs a good newspaper. I am confident that I can put out a good paper for several reasons.

First — I've been working on the **Tech** for three years now, and I know just how this particular newspaper works. This is no small advantage in the week-to-week business of putting out a paper, as any once starry-eyed, but now frustrated editor will tell you.

LONG EXPERIENCE

Second — Aside from the **Tech**, I know a lot about the newspaper business. I was raised in a printing office, and I've probably worked for more publications than anybody else on campus, with the exception of Ed Hutchings of Engineering and Science. In my years of being a semi-professional journalist, I've picked up a lot of ideas about how to put out a paper, and I plan to use them on the **Tech**.

Third (and this relates to the previous two points) — I am quite certain that I know a great deal more about putting out a newspaper than do my opponents. It is very easy to reel off ideas (as they have been doing) about what you want to do with a paper, but it is often terribly hard to put them in practice. Would-be editors ought to learn how to write headlines and how to manage a staff before they think of better and more interesting features or closer communication between the **California Tech** and ASCIT.

THREE FUNCTIONS

Now, as I see it, a campus paper like the **Tech** has three essential functions: to fill for the student body: it should provide informative and wide-ranging news coverage of campus events; it should provide plenty of good features, and it should provide a consistent and strong editorial policy.

In years past, the **Tech** has done a good job of filling all three of these needs — a good job but one that can be improved upon. I plan to make some improvements.

As far as news goes, I think the **Tech's** coverage has been very good (so does the Associated Collegiate Press — which judges such things in college papers). The **Tech** can, however, give better coverage in certain specific areas. One of these is small events — like the Y Film Series or the Car-

negie Series or the chamber music concerts. Another is the area of news features—stories on things ranging from the rotation discussion to scientists at work to the Civil Defense group. I plan to increase this type of coverage a great deal.

FEATURE PROBLEMS

In the feature section last year, the **Tech** was faced with two essentially unfillable gaps—it is very hard to write as well as Marty Carnoy and Brad Efron. Several students, however, bid fair to do the difficult job of writing articles which are both witty and controversial. I have talked to several of these people, and I plan to use their offerings third term.

Also along the feature line, I plan to run several columns. I intend to resurrect that old favorite, "Campus Brewin's," and I also plan to run columns in series — two or three weeks on hi-fi, say, and then two or three weeks on something else.

STRONG EDITORIALS

On the editorial page, I am

sure I can follow a strong and consistent policy. As anybody who knows me will point out, I have opinions on a great many campus issues and I'm not afraid to state them. The function of an editorial page, as I see it, is not to convince people just how to think on issues, but to encourage them to think. I am convinced I can do this. (If I can't do it, incidentally, there are, again, several people on campus who are willing to try. To this end, I have been thinking of running a "bitch" column, something like Ford Holtzman's "Bull Pen" of several years back.)

As it stands, then, I think I can put out a good paper—a paper somewhat better than this year's and a paper much better than my opponents can run. To prove this to the student body, I would appreciate your support at the election. And if I win, I would appreciate your support at the **California Tech** office Monday nights.

ENGINEERS AND SCIENTISTS NAA's On-Campus Interviews

February 20 and 21

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Mayer Slates Campus Talk

Milton Mayer, widely read author, will be at Tech on February 23 to speak on the topic of "Man and the State," in Dabney Hall Lounge at 8 p.m.

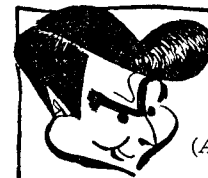
Mayer lived in Germany for a year in 1952 as Professor of Social Research at Frankfurt University and traveled throughout Europe as director of the "Voices of Europe" radio program of the National Association of Educational Broadcasters.

Subsequently, he wrote his book, "They Thought They Were

Free — the Germans, 1933-45."

Recently his articles have appeared in **Life**, **Reader's Digest**, and **Harpers**. His most recent articles appeared in last November's **Harpers** and in the October 12, 1960, issue of **Christian Century**.

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On Campus with **Max Shulman**

(Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis", etc.)

"I'VE GOT NEWS FOR YOU"

I know all of you have important things to do in the morning—like getting down to breakfast before your roommate eats all the marmalade—so you really cannot be blamed for not keeping up with all the news in the morning papers. In today's column, therefore, I have prepared a run-up of news highlights from campuses the country over.

SOUTHERN RESERVE UNIVERSITY

Dr. Willard Hale Sigafoos, head of the department of anthropology at Southern Reserve University, and internationally known as an authority on primitive peoples, returned yesterday from a four-year scientific expedition to the headwaters of the Amazon River. Among the many interesting mementos of his journey is his own head, shrunk to the size of a kumquat. He refused to reveal how his head shrinking was accomplished. "That's for me to know and you to find out," he said with a tiny, but saucy grin.

NORTHERN RESERVE UNIVERSITY

Dr. Mandrill Gibbon, head of the department of zoology at Northern Reserve University, and known to young and old for his work on primates, announced yesterday that he had received a grant of \$80,000,000 for a twelve-year study to determine precisely how much fun there is in a barrel of monkeys.

Whatever the results of Dr. Gibbon's researches, this much is already known: What's more fun than a barrel of monkeys is



To determine precisely how much fun there is...

a pack of Marlboro. There is zest and cheer in every puff, delight in every draw, content and well-being in every fleecy, flavorful cloudlet. And what's more, this merriest of cigarettes comes to you both in soft pack and flip-top box wherever cigarettes are sold at prices that do no violence to the slimmest of purses. So why don't you settle back soon and enjoy Marlboro, the filtered cigarette with the unfiltered taste.

EASTERN RESERVE UNIVERSITY

The annual meeting of the American Philological Institute, held last week at Eastern Reserve University, was enlivened by the reading of two divergent monographs concerning the origins of early Gothic "runes," as letters of primitive alphabets are called.

Dr. Tristram Lathrop Spleen, famed far and wide as the discoverer of the High German Consonant Shift, read a paper in which he traced the origins of the Old Wendish rune "pt" (pronounced "krahtz") to the middle Lettic rune "gr" (pronounced "albert"). On the other hand, Dr. Richard Cumberbund Twonkey, who, as the whole world knows, translated "The Pajama Game" into Middle High Bactrian, contended in his paper that the Old Wendish rune "pt" derives from the Low Erse rune "mf" (pronounced "gr").

Well, sir the discussion grew so heated that Dr. Twonkey finally asked Dr. Spleen if he would like to step into the gymnasium and put on the gloves. Dr. Spleen accepted the challenge promptly, but the contest was never held because there were no gloves in the gymnasium that would fit Dr. Twonkey.

(The reader is doubtless finding this hard to believe as Eastern Reserve University is celebrated the length and breadth of the land for the size of its glove collection. However, the reader is asked to remember that Dr. Twonkey has extraordinarily small hands and arms. In fact, he spent the last war working in a small-arms plant, where he received two Navy "E" Awards and was widely hailed as a "manly little chap.")

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Candidates' Statements

ASCIT PRESIDENT



DAVE PRITCHARD

I agree with the contention that there are few new or original ideas being discussed in this general election. We have the same old promises to "make ASCIT informal" to "Bring ASCIT closer to the students," and "to keep (or make) ASCIT running efficiently."

This year there seem to be a few relatively new ideas. Several candidates (myself included) feel that in addition to a program of major events, the ASCIT Social Program should include several smaller events here on campus (small dance bands, for example). My idea to use ASCIT to increase the value and scope of the extra-curricular activities here on campus is not brand new, but I feel that it is a significant change in attitude.

I don't think that a presidential candidate should have a great many specific new ideas before he is elected. It is important only that he have a clear idea of what he wishes to accomplish while he is in office, some idea of how he intends to do this, and enough insight and energy to get it done.

If one is to be able to represent student body opinion accurately, he must keep in touch with the students. If I'm elected I will eat in each of the seven Houses fairly frequently. I plan to attend IHC meetings

whenever I have a specific question. Instead of relying entirely on general impressions, I shall try to anticipate questions and answer them in my mind before being asked.

I feel that I can make a great improvement in student-faculty understanding by taking to the faculty attitudes which already exist, but which they won't hear about otherwise. I shall try to take our opinions to the faculty committees on Musical Activities, Physical Education, and Use of the Athletic Center. I think that the Student-Faculty Relations Committee should serve as a starting place for this type of activity.

It is also important to represent our opinions to other schools in the area. The Inter-College Council is a group designed specifically for this purpose. I have gone to all of its monthly meetings this year, and feel particularly qualified to continue this activity.

One other way in which our opinions are represented to the outside world is through the letters we write. Last week's *Quaker Campus* (the Whittier College newspaper) is an example of my feelings on this since it contains a letter which I wrote to their editor.

ASCIT SECRETARY

ARTHUR ROBINSON

However trite and anachronistic the word "communication" may have become in ASCIT campaigns, I can think of few words which more completely describe the job of secretary. The secretary is the agent of communications affiliations, ASCIT off-campus affiliations; ASCIT and its on-campus affiliations; and, most important, ASCIT and the student body it represents. As secretary I shall continue the efficiency with which that job is already being executed.

(Continued on page 10)

'Tech' Directs Questions To All Candidates

In an attempt to improve upon the traditional statements written by candidates in support of themselves in the California Tech, we decided to pose a series of question to the candidates running for the various offices. We chose questions which we felt would illustrate the important parts of each office and each candidate's approach to his duties.

For all candidates for offices on the ASCIT Board, with the exception of President and Vice-President, we asked the following question: "What specific things do you propose ASCIT consider doing for the students that it has not done this year or in previous years?"

The ASCIT presidential candidates were asked the following two questions: (1) The ASCIT President is the representative of the Caltech student body on many occasions. In what ways do you feel prepared to accurately reflect student attitudes and feelings? (2) At this time of year people often complain that the ASCIT candidates show no new and original ideas. Do you agree and how important do you feel lots of new ideas are to the qualifications of an ASCIT President?

The candidates for IHC President were asked: "The IHC is composed of seven strong representatives of usually seven divergent points of view. How do you propose to mold these personalities into a constructive group, and what is a constructive group?"

The ASCIT Vice-President candidate was asked to comment on his feelings on the Honor System and the Board of Control as well as to explain his plans for ASCIT.

The candidates for editor of the California Tech were asked to write 750 words on their plans for the next year's newspaper.

The candidates for Secretary of the Board of Control were asked for 150 words explaining why they want the job.

ACTIVITIES CHAIRMAN

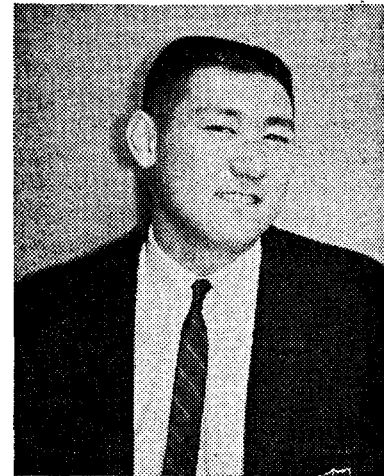
JON KELLY

ASCIT should make a greater effort to promote the success of individual group activities and co-ordinate the activities of student life in such a way that our general program will be more attractive and have a greater appeal to the members of the association. In the past there has been conflict of activities and this should be avoided. Greater effort should be made to help various clubs and other groups on campus such as the YMCA, Ski Club, Alpine Club, et.al. This means that the Chair-

(Continued on page 6)

haps the most important thing I can say is that I believe my record shows that if something arises which needs attention, I will act.

ASCIT PRESIDENT



BOB KOH

I feel well prepared to reflect student attitudes and feelings because I have been doing so for the past three years with regard to student government, inter-collegiate functions and faculty. I have been engaged in varied activities from often conflicting viewpoints and have gathered good over-all picture of general campus opinion.

The most important point in my favor is that I have lived in four Student Houses for periods ranging from the frenzied two weeks of rotation to two years. I have lived in Dabney, Ricketts and Blacker and have absorbed some of their distinctive attitudes on rotation and other common problems. For the past year I have lived in Page and was forced to understand the unique adjustment problems of the three new Houses since I served as House president.

I can understand the viewpoint of freshmen since I have been to frosh camp every year at Caltech — as a counsellor for the past two years. I have been active in enough diversified activities to win two honor keys, meeting different students on the newspaper staff, government, on House athletic teams and on various committees.

I have represented the entire student body on many internal committees, including two years on ExComm and three years on the Student-Faculty Relations Committee, which is the major formal link with the faculty. In functions such as Model United Nations, the College Association of Student Unions, mock political rallies and Inter-Collegiate Council, I have represented Caltech student opinion to other colleges.

Also, I have been in government in both major divisions, as a sophomore on the BOD and as a junior president on IHC. I think that I have met enough students with diverse attitudes to be able to give a fair representation of Caltech in any

situation and I would like a chance to use this experience.

At election time, candidates always seem to propose ideas that to their feverish minds appear fresh and new. I agree that, with a few startling exceptions, most of the ideas are not original. This, of course, does not preclude the striving for clever innovations because presumably a reason that candidates run is so that they can change the system to what they sincerely consider a better one.

However, I feel that a president now would do well to try and help ASCIT first, do more smoothly and with less fuss the more routine and time-consuming duties it has, just by virtue of being the student governmental body. Since I think that a majority of the student body regards ASCIT in a take-or-leave-it light, it would be good to make ASCIT affect the student more directly as an individual as in an expended social program. Also a president should try to convey a less stiff and formal attitude in attempting to draw participation in running for ASCIT office, serving on committees and other functions.

I think that competence and a more liberal attitude that places ASCIT in its proper perspective comes first with necessary new ideas and revisions next.

ASCIT TREASURER

JIM GEDDIS

Each year, as the time for ASCIT elections descends, the question again arises as to what can be done to change ASCIT so that it will be a more efficient organization and a more truly representative organ of student government. Demands are made that ASCIT take on additional functions and that it "do more" for the students. In this regard there are several specific proposals — which are presented below — that I would like to make.

It is necessary, first of all, for the BOD to be more imaginative in seeking solutions to the problems with which it is confronted. Too often in the past the answer proposed has been to "give the ax" to the item at hand, as was illustrated in the Big T fiasco of last year. What is needed instead is a Board which will not only per-

form its designated duties, but also advance new ideas toward the solution of a given problem.

In regard to improving the efficiency of ASCIT operations I believe several things could be done. The BOD annually spends over \$12,000 of your money, including a \$2,000 social budget. As a candidate for Treasurer I would, if elected, like to see a more careful investigation made of ASCIT-supported activities. In particular, I would propose shifting the emphasis of the ASCIT social program from a few major events to a more diversified program calling for additional all-campus activities on a smaller scale. In this manner I think that more students could participate in ASCIT events and would hence benefit from the \$20 ASCIT dues they pay each year.

These, then, are my proposals. I would enjoy discussing them further at any time.

ASCIT TREASURER

JOHN GOLDEN

In my speech I mentioned why I thought I was qualified for the job of Treasurer with reference to his specific duties. I will now mention some things I will try to do if elected.

I have been on a BOD committee which has some by-laws revision proposals. The underlying purpose is to streamline ASCIT which will (1) reduce costs in time and money, (2) get the routine jobs done more efficiently, and (3) make the group more effective in policy formation. The rearrangement of duties and combining of certain offices will help to effect these: \$5.50 of your \$20.50 goes directly to the Athletic Department. I am sure the \$15.00 can be reduced, as my expenditures are less than half of the previous year's. A re-evaluation of other expenditures may show additional places for reduction.

As many of you no doubt observed, finals schedule last term was like no finals schedule ever. This was a direct result of the curriculum change

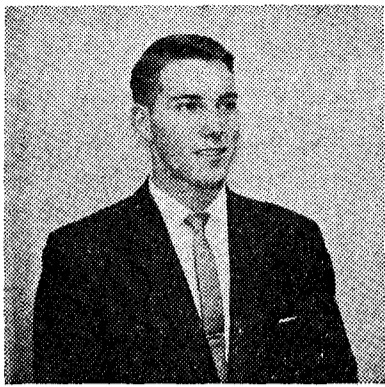
this year. (The EPC, of which I was a member, helped to effect this change last year.) I would like to see the philosophy of finals itself investigated with a result tending toward more take-homes.

ASCIT can use its influence to improve our community within and its relations with the outside world. More contact with other fields would be good. Co-operation and co-ordination with the Y and other campus organizations could be used to good advantage here. Our administration DOES listen to ASCIT. I have seen this personally in the car parts thieving problem and the curriculum change. Participation in inter-college councils improves our relations with other schools.

Naturally more ASCIT-student contact would be desirable; but I've certainly never felt "out of reach," for example, when I made the plea for a Big T staff last term, or when fellows have asked questions about what ASCIT is (or is not) doing.

We cannot always predict problems which will arise. Per-

IHC PRESIDENT



BILL HOGAN

In spite of the fact that each of the seven presidents sitting on the IHC will be representing his House and will face the IHC problems from a slightly different viewpoint, it is my hope that I can help to bring a high degree of constructiveness to the group. By a constructive group I mean not only one that resolves its problems quickly and efficiently, and takes action to produce the desired end, but also one that produces the minimum of hard feelings and conflicts in the process.

I propose several steps to accomplish this end. The first meetings would be in the form of informal non-business get-togethers. This would serve to

introduce the presidents to each other and to me on a purely personal, friendly level. The more we know about each other on an informal basis, the more frankly we can speak to each other without producing resentment. After this brief period the first item of business would be to define as well as we can exactly what the IHC president's responsibilities to the group are. The IHC president's executive authority should come directly from the members of the IHC. When his position is defined in this way, he is much more apt to have the support of the members of the IHC in his actions representing them. At the same time the IHC members should be able to select a secretary on the basis of competence and interest in the job.

The meetings themselves would be set up at a time most convenient to all in such a way as not to place too unyielding a time limit on any discussion. By stressing informality, confidence, and openness, I hope that we may be able to dispense with the constant bickering that arises from personality conflicts and get down to dealing more efficiently with the problems that the IHC was designed to handle.

VICE PRESIDENT

DEAN GERBER

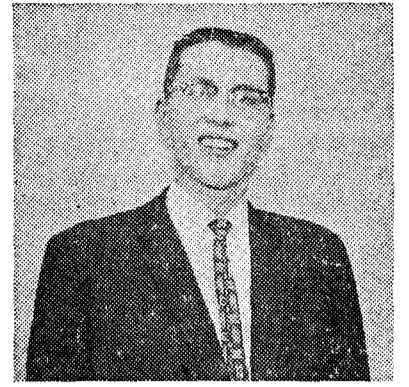
The office of Vice-President differs from the other BOD positions in a very fundamental way in that the primary concern of the Vice-President is not with the BOD or with ASCIT as such. Rather, his duties and responsibilities lie in properly conducting the Board of Control and in maintaining the high quality of our honor system. These are indeed weighty responsibilities, to be assumed only by one who is willing to devote enough time to the demands and duties to see that they are properly fulfilled. By having successfully campaigned for the office of Board of Control member for two years, I believe that I have demonstrated my interest in working for the honor system and my willingness to devote my time to it. My qualifications for the office are these: two years of experience on the Board of Control, thorough knowledge of the Board proceedings, a mind open to the complexities and subtleties that can arise in Board dealings, and the demonstrated willingness to devote my time to the demands of the office.

On matters concerning other candidates, such as ExComm and the Educational Policies Committee, I have no opinions, reserving such opinions until I become better informed as to the exact nature of the facts involved. As a member of the Board of Directors I will fulfill the requirements of the office, which are to remain well enough informed on matters to act for the President in his absence, and to aid and abet the President as need demands. Again, the ultimate concern of the Vice-President is with the Honor System, and it is to this end that most of my endeavors will be directed.

I would like to see the following ends attained and will attempt to effect these ends: more interest in BOC elections and more pains taken to ascertain the worth of potential board members, augmentation of freshman orientation as regards the Honor System through student camp and other means, and maintenance of the present Board policy towards master keys.

It is on the basis of the above that I seek the office of Vice-President.

IHC PRESIDENT



ROGER NOLL

If the IHC is made up of seven strong representatives with seven divergent opinions, the IHC President will have to be a forceful moderator of IHC meetings lest the meetings become backbiting harangues. More likely, the IHC will be composed of a few forceful personalities, along with a few retiring ones. In this situation, the IHC President must make certain that the more vociferous elements don't dominate the IHC, that the opinions of every House president are sought and given consideration.

It would, however, be out of the question for an IHC President to "mold the personalities" of the IHC members to fit his preconceived notion of an effective committee member. House presidents are not the type of people that take kindly to being "molded" by ambitious IHC members. And even if the IHC President could accomplish such a feat, it would be out of keeping with the duties of the office, which are to moderate IHC meetings and to present IHC opinion to the administration, ASCIT and the student body. The IHC President does not form IHC opinion, but rather represents it.

IHC can only be truly constructive if it can operate har-

moniously. The IHC President should work hard at resolving petty House conflict before it arises, principally by talking individually with each House president whenever a touchy situation arises. Such efforts would reduce the undercurrent of tension that exists at IHC meetings, and would lead to more reasonable discussions and decisions.

With such an atmosphere, IHC members could turn with confidence to the IHC for help in solving many problems common to House presidents, such as those concerning House attitude and spirit. This would certainly be of a more constructive nature than most of the rather superficial bickering that presently pervades IHC meetings.

SOCIAL CHAIRMAN

PETE METCALF

"What's wrong with ASCIT" has always been a popular subject for discussion at Caltech. It is usually claimed that ASCIT has very few functions.

If the limitations of ASCIT are recognized, this criticism seems a bit unfair. While it has no control over school policy or power over civil government, it has a great deal of influence over the activities of its members. It has final vote power over all House social events, and it holds several functions of its own. It is in charge of the operation of the Honor System. It is the body to which the faculty goes for information concerning student opinion. In addition, it has several administrative functions, such as arranging the awards banquets, issuing athletic awards, and awarding Honor Keys and Certificates.

Many problems can be handled more efficiently through the Houses than through ASCIT. Things which affect the Student Houses in themselves rather than the student body as a whole can be more profitably handled through the IHC rather than through ASCIT.

If past difficulties in handling the duties which ASCIT does have are any indication, perhaps competence in handling its present problems is more important than success in producing new ones. If the athletic awards are made on time, and if the 1962 Big T comes out on time, then probably the selection of the ASCIT officers has been a good one.

HOWARD MONELL

Two things are necessary for a successful social program: efficiency and imagination. Efficiency means early planning, House Social Chairman Committee co-ordination in scheduling, and quick completion of details. Imagination includes the improvement of activities through "extras" — better bands, locations, deals on tuxes and flowers, etc.

I have come to realize the hard work and necessity of planning in advance to organize good programs through the office of Frosh Dinner Club president. Through the means of cheerleader first term, I have become aware of the lack of participation in ASCIT social events. If elected chairman, I would:

Expand the co-ordination of House social chairmen such that a minimum of conflict is involved between House and ASCIT activities and so that an active participation of these social chairmen may be realized.

Change the ASCIT formal to a larger and varied place, such as the Ambassador.

Continue alumni day with alumni dinner on the same date as Interhouse.

I feel that my desire to increase the quality and quantity of the student body activities, both through social events and through BOD participation is my paramount objective in running for office.

BOC SECRETARY

SPICER CONANT

The Secretary of the Board of Control must keep accurate and complete minutes of the meetings. In addition, he must assist the ASCIT Vice-President in making presentations to the Deans and in similar aspects of the administration of Board affairs. A key factor in performing these functions effectively is experience in BOC operations. I believe that my experience on the Board this year has given me the knowledge of the mechanics and procedures that will enable me to do so. More important, since the Secretary's biggest job, like any Board member's, is in the judgment of cases, I hope that you will feel that I merit your confidence enough to receive your vote.

GEORGE McBEAN

As an active student at Caltech, I feel it is my duty to assist in the continuance of the Honor System, which at Caltech forms a basic part of student life.

I feel that the Secretary of the Board of Control has a position which entails much responsibility. He must maintain very accurate records for future reference and many times he is entrusted to do extensive research on an individual. He may even be called on to pre-

sent a case to the Deans. The Secretary and ASCIT Vice-President are the only men who may review the minutes of past BOC activities and are, therefore, greatly responsible for maintaining a continuous level of sound reasoning and judgment.

Considering all these matters carefully, I believe the BOC Secretary should possess integrity, sound judgment, and a serious attitude toward his work. I am confident that I possess these qualities and can do an effective job as BOC Secretary.

BUSINESS MANAGER

JIM SAGAWA

We need to see more responsibility exhibited by the California Tech. This organ is nominally a publication of ASCIT and not necessarily the sounding board of one or two individuals. Representative of its attitude is this asking of candidates what they intend to DO for the students.

Note that there is no mention of qualifications for office. This question invites statements and promises, the very sort that can be re-printed for the purpose of belittling the efforts of the office holders.

The editors forget that the best ideas cannot be carried out without the cooperation of the students and the other board members. The Tech asks not if proposals are good; it merely looks to see if they are completely carried out. Nero completely fulfilled his cynical promise of "bread and circuses" for the masses.

I think it would be a good thing if the Tech takes a greater interest in extra-campus activities, i.e., events like the "Berkeley riots," and what students in other schools are thinking and saying. Then we can look forward to more than Max Shulman and Hughes Aircraft every Thursday.

Representative At Large

DON O'HARA

Question: What specific things do you propose ASCIT consider doing for the students that it has not done this year or in the previous years?

The most significant word in the above question is "specific." All too often in the past, ASCIT has been criticized in general terms, and always there has been one solution proposed: "Give the individual student more day-to-day contact with

ASCIT; don't let ASCIT become detached from the student body." This is a commendable aim — and a rather broad statement, one which is easy to utter and very difficult to achieve.

However, there are two improvements which can be made within the sphere of responsibility of the Representative at Large. The first of these concerns the calendar of student body events on the Olive Walk. It should, of course, be much

(Continued on page 10)

SOUTHERN CALIFORNIA HUMANIST COUNCIL

Presents:

Dr. Ashley Montagu

Noted Anthropologist, Author and Lecturer

Time:

Sunday, February 19, 1961 at 8 p.m.

Topic:

"MYTHS, MONKEYS, AND MEN"

Place:

Institute of Aeronautical Sciences

7660 Beverly Boulevard, Los Angeles

Introducing Dr. Montagu will be:

Dr. Linus Pauling

Nobel Prize Winner, Professor of Chemistry

at California Institute of Technology

Admission: \$1.50

Question Period

SPORTS

Caltech Whips Stags; Face Whittier Friday

Claremont-Mudd fell victim to a rejuvenated Caltech varsity last Friday as the Beavers won, 58-52. During the first half, the Beavers fought on even terms with the visitors, the lead changing hands several times. At intermission Caltech led, 22-21.

Immediately after the start of the second half, the Stags came to life and it looked like they might pull away from the Beavers, as Claremont scored five points while Caltech scored one. But the Beavers were not to be denied, and came roaring back during the middle 10 minutes of the second half, until with five minutes remaining they led by 13 points, 51-38. In spite of Claremont's attempts to break open the game by using an all-court press, the Beavers clung to their lead until the final buzzer.

The biggest factor in the game was a new defense employed by the Beavers, in which the guards press their men from about 10 feet into the back court. Claremont's slow forwards could not break free to receive passes from the harassed guards, and on several occasions the Beavers were able to force the guards into throwing the ball away.

Friday night Caltech travels to Whittier to engage the second-place Poets. In their last meeting, the two teams played evenly until the last few minutes, when the Beavers grew tired and lax in their defense. The Poets recently lost a game to Pomona, 63-58, and the Beavers don't want to be outdone.

Tuesday the Beavers face Redlands at Redlands. Since their recent jog to the Northwest,

the Bulldogs haven't been playing as good ball as usual, beating Oxy by only 12 points.

Should the Beavers find a way to stop Little All-American Jack Schroeder, the game could be very exciting.

Caltech's basketball squad split the pair of games played last week, beating tall but slow Claremont, and losing to hot-shooting Occidental. The split left the Beavers in third place in the SCIAC, but only by virtue of the fact that they have played fewer games.

Against Occidental on Tuesday, the Beavers shot a frigid 29 per cent from the field, and lost 73-57. The Beavers got more rebounds and took more shots than the Tigers, but Oxy shot nearly 60 per cent from the field. In the first half, Oxy's 6-11 center, Willsie, found the range on his hook shots, hitting 16 points. At intermission Oxy led, 46-30.

In the second half, the Beavers started strong, and gradually closed the gap to nine points. But as time ran out, the local crew attempted to speed up the game, thus playing right into the hands of the fast-breaking Tigers.

Top scorer for the Beavers was center Roger Noll who tanked 18 points. Both Noll and forward Tom Bopp collected 15 rebounds, while Larry Brown grabbed 10.

The Beavers were forced to play the second half without the service of guard and captain Bill Ripka, who caught an elbow on the forehead, suffering a cut that required seven stitches to close. Ripka will be able to play Friday, however.

Swimming Team Meets UCLA, L.A. State In Season Premiere

BY TOM TISCH

The Caltech varsity and freshman swimming teams open their 1961 seasons this Saturday, February 18, against UCLA and Los Angeles State at UCLA. The meet will be scored as a double-dual, in which Tech competes against UCLA and L.A. State, but the latter two do not compete against each other.

Only limited information is available on both the Tech and UCLA teams since it is early in the season, but preliminary reports indicate that UCLA is stronger and better balanced than when they beat Tech in a close meet last year, and are favored to take this meet.

Gary Tibbetts is expected to spark the Beavers in their first outing, along with junior Gary Turner and sophomore Bruce Chesebro. Tibbetts turned in a 220-yard freestyle time of 2:16.8 last week in an intrasquad meet, then followed it up with a 54.6 time in the 100-yard free. The latter time is the best that Tib-

betts has ever done in a gun-start 100 yards.

Gaughan of UCLA turned in a 2:16.7 in the 220-yard free event against SC and then did a 54.7 in the 100-yard free. Tibbetts will have close competition early in the season.

In the 100-yard free, Bruce Chesebro turned in a 55.9 second effort, then rolled to a victory in the 50-yard sprint with a time of 24.6, equal to his last year's best time. Mickey Newton turned in a 25.5 effort in his 50 sprint.

In the back stroke, Gary Turner is expected to do well, but will have his hands full against the 2:23.5 time of Douglas of UCLA. Turner's previous best is a little slower than this figure. Pete Mayer is giving his best to fill the shoes of Marshall Buck and Bill Hogan; the latter two placed first and second in the Conference last year, but are not out for the team right now. This will hurt considerably

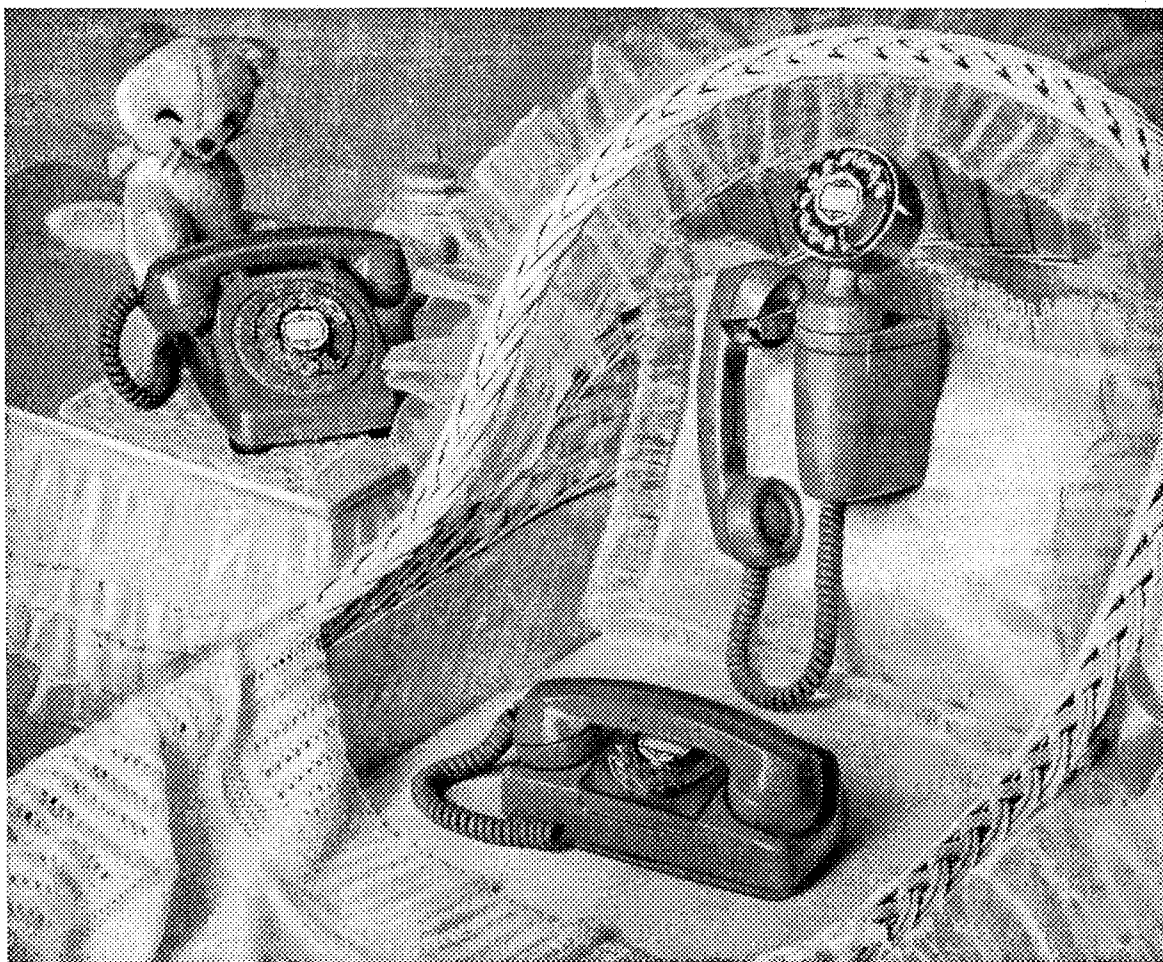
in the meet against L.A. State and UCLA.

Bright star of the freshman team is Larry Seib, who had efforts of 2:26.0 in the 220-yard free and 5:26.5 in the 440-yard free events. Seib is presently only two seconds shy of the frosh record in the 220-yard free, held now by Larry Daubek, who has moved up to the varsity team.

The remainder of the freshman team is untested, and the UCLA meet will hopefully sort out the squad members and jell the team.

Against UCLA, the frosh will be the underdogs, especially when one considers UCLA's Drown, who has turned in a 51.0 flying start 100-yard free, and a 2:13.0 200-yard butterfly time, both excellent by anyone's standards.

Next week, February 24, the varsity will meet Santa Monica City College at their pool, while the frosh team will take on Pasadena City College.



New additions to the family!

The two new telephones in the bassinet are the result of a perfect marriage of research and design. They illustrate the way Gen Tel constantly strives to make the telephone an ever more convenient and helpful service of modern life.

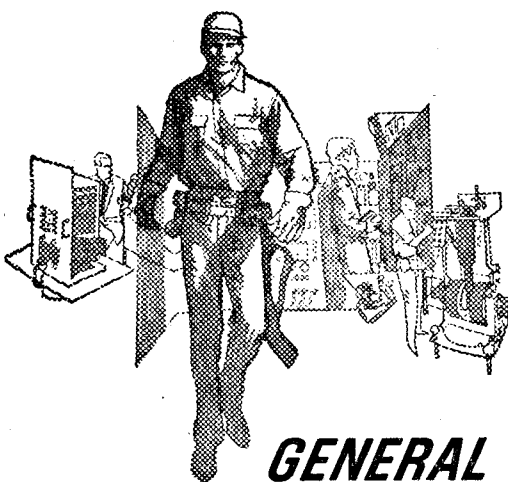
The Starlite* phone in the foreground is a new "compact"—only half the size of a standard desk phone. Its PANELESCENT® (electroluminescent) dial glows in the dark for easy dialing, and can be turned up to serve as a night light.

The Space-Maker* phone can be hung anywhere—on posts and in tight corners. Both dial and handset can be adjusted to fit the space and the convenience of the user.

These new and modern phones for the home were developed by our subsidiary, Automatic Electric, largest supplier of telephone equipment to America's Independent telephone industry.

They are but two examples of how General Telephone & Electronics works to improve equipment and advance communications for the home, for industry and national defense—both here and abroad.

*Trade Mark



**GENERAL
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Memo for opportunity

**Ingersoll-Rand
will interview
Graduating Engineers
(B.S., M.S., Ph.D.)**

February 23

I-R is one of the foremost builders of fine machinery for world-wide applications. If you are mechanically inclined (no matter what your engineering major is) and are interested in sales, design, and/or production, come in for an interview. Combination engineering and business degrees are most welcome.



Beaver Chips

By Noll

Last Tuesday marked the end of the basketball season as far as Scott Brown gymnasium is concerned, for Oxy was the last home opponent. This year's squad was exceptionally well balanced—no one was clearly a star. Although this means that the team will probably not be heavily represented on the All-Conference squad, it is a factor which molded the team into a unified, potent team, capable of giving anyone a good tussle. Even Whittier and Redlands, two of the nation's strongest small college teams, found the Beavers tough — it took both of them three-quarters of the game before they pulled away.

Including the game with Oxy on Tuesday, the six top scorers for the Beavers are:

	G	FG	FT	P
Roger Noll	17	80	57	217
Tom Bopp	16	71	70	212
Bill Ripka	16	56	22	134
Dean Gerber	17	51	27	129
Larry Brown	17	41	23	105
Gerry Clough	15	44	14	102

Bopp leads the team in scoring average, with 13.3 points per game.

The team now faces three tough games before the end of the season. Friday night, Whittier is the opposition, at the Whittier gym. It ought to be a good game, worth the drive to Whittier. The Beavers are up for the Poets—everyone of the team feels that Whittier can be beaten. Furthermore, seniors Larry Brown and Bill Ripka are nearing the end of their careers. Both are good ball players, and deserve the support of the students in these last games.

Tech Track Team Lacks Depth In Several Divisions

There is a serious lack of depth in the throwing events. Julian Noble and Bill Francis are the only men out for the shot and discus; and Aram Mekjian, a potential 200-foot javelin thrower, is alone in his event.

Last week saw the first appearance of the Tech thinclads on the cinders at T.P. With most of this year's prospective track men still working themselves into shape, it is difficult to predict the team's chances for the '61 season. However, as things stand now, the team has a few good performers who should do well in their respective events, but is very short-handed in other divisions.

In the sprint events the varsity looks strong with Jim Klett, who turned a 9.9 in the 100 last year, backed by John Lindsey, Will Saam, and Al Pfeffer.

Tech's chances in the 440 also look good. Tom Keil and Jan Dash, who both ran the distance in less than 51 seconds last year,

have a good chance of taking first and second for Tech in many of our meets.

In the longer running events the team looks very weak so far. The loss of Dick Tuft, Bob Juola, and Pat Earley means that the services of Bill Glaque, Bill Hassenzahl, and Warren Teitelman will be spread very thin to cover the 880, mile and two-mile. Coach LaBrucherie may have to move quarter-milers Ben Burke and Chuck Ryavek up to the 880 to compensate for the team's shortage of distance men.

Geary Younce, who looks good for a school record in the low hurdles, will help the team with points in that event.

The jumping events look good for Caltech. In the pole vault the team has John Weaver, Ed Cline, and Pete Rux, who should all better 12 feet this season. Jan Dash is a potential 22-foot jumper in the broad jump, and John Letcher should go over six feet in the high jump.

Rotation Teaches Social Graces

(Continued from Page 2)

for a moment. Both Nixon and Kennedy upon occasions have mentioned the desirability of having scientists in politics. Four years ago in Tournament Park, Nixon gave a speech encouraging some of us to go into politics and indicated that he would like to have some scientists in congress. Many scientists of the older generation feel the same way. Now, accepting these people's judgment, isn't

any institution that gives Techmen the arts of politics desirable? Although the other graces are of value in politics as the last is in industry, this last one is of greatest importance in politics. This is the art of mass delusion. What is a better laboratory for the study than rotation? It is really remarkable how both the frosh and the Houses persist in believing that they had a choice; that is, that

(Continued on page 8)

Racket Men Overwhelmed

The varsity and freshman tennis teams took on national powerhouse Redlands last Saturday, and while the upperclassmen were walloped 9-0, the frosh showed fine strength in holding the Bulldogs to a 5-4 victory.

All the varsity players went down to defeat, with only sixth man Ted Gibbs able to last three sets. Number one player Dick Hess lost, but played well against his nationally ranked opponent.

For the frosh, Limpo, Latham, and Hammer picked up singles victories, and the team of Latham and Medof won their doubles match to give the Beavers their four wins. The top player for the frosh, Limpo, looked excellent in downing the Bulldogs' best frosh, 6-3, 7-9, 6-1.

Saturday the Beavers face Pomona. The varsity should emerge victorious, but Pomona is a strong contender and might pull an upset.

Golfers Seek Team Members

Help is needed for the Caltech golf team! Unless more interest is shown in the golf team in the near future, it will remain non-existent, as it is now. To fill out the team, at least three people, shooting in the high 80s or better, are needed. Privileges will probably be extended to members of the team by Annandale Golf Club this year. Anyone interested should contact Ken Larson in Ricketts, soon.

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Boulding Stresses Personal Contact

BY RICHARD KARP

Professor Kenneth Boulding, last Carnegie lecturer at Caltech, told his audience last Friday that he feels that some sort of world social contract — not necessarily a world government—is necessary for the survival of the human race. Boulding stated his feelings about the time left in which to get such a contract by saying that "we may have only a year or two left to achieve a voluntary world social contract. It will be much harder to achieve after China has the bomb, and immeasurably harder after Cuba has it—which won't be long."

Thus leading into the problem of the atomic bomb, Boulding stated that "the bomb is the great equalizer which has made the old system of national security obsolete." Boulding continued by saying that "we can no longer buy national security with money and arms. National security is a commodity that has disappeared from the shelf.

There isn't any more of it in the store . . . we must now live in a world in which we can destroy each other — but we don't."

Boulding is at present a professor of economics at the University of Michigan. He graduated from Oxford University and is widely published in his field. He is an outspoken man, having several humorous statements concerned with problems related to his main theme. On history, he said, "We learn a great deal from history, most of which just isn't true." On survival: "It may be that the only life left on earth will be in atomic submarines. I hope that every such submarine carries at least one woman aboard." On Los Angeles: "Los Angeles is the prime example of the disappearance of the city. Los Angeles is the first post-civilized urban agglutination. And, unfortunately, there is nothing to prevent the whole world from becoming one large Los Angeles."

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Beavers Select Gerber, Taylor

The Beavers added two juniors, Dean Gerber and Lance Taylor, to their ranks at a meeting Sunday evening in the home of Ed Hutchings.

The group reviewed a film publicizing careers in science and engineering which was filmed at Caltech a few years ago with plans to use it as part of the Beavers' high school visitation program.

They have sent letters to fifty local high schools offering to send members to talk about the advantages and opportunities in coming to Caltech.

Tech UN Reps. Plan Practice

The Caltech Model United Nations Delegation picked up a full head of steam last week as the six members of the delegation chose the committees on which they represent the Dominican Republic.

Among the various committees are the Special Political Committee, the Trusteeship Committee, the Full Committee on Disarmament, and the Committee on Economic Advancement.

MUN Chairman Roger Noll is presently in the process of organizing a practice session with one or two other local colleges to be held sometime in the near future. The MUN General Assembly will meet at the University of Oregon on April 12.

Letter Speaks On Rotation

(Continued from page 7) the Houses knew anything about the frosh and the frosh anything about the Houses. Therefore, rotation should be reinstituted and preserved in order to give the scientists turned politicians a greater chance of success.

Although the acquiring of social graces is certainly the best result of rotation, learning how to properly use one's time is also valuable. Most freshmen just don't know how to budget (Continued on page 10)

TECH EDITOR - TEAM

BY BRUCE ABELL,
DAVE BENSON, LEE MOLHO

During the past year, our campus newspaper has failed. It has spent about \$8000 without bothering to return face value on this investment. The low quality of its material and organization shows the editorial staff has abdicated its responsibility to print a sparkling **California Tech**.

In previous years the paper was a credit to ASCIT and a pleasure to read. Now it's about as exciting as the interview schedule.

There's just one reason for this decline of the **California Tech**: the editorial staff has failed to take one step toward improving it. Lately our opponent has been borrowing some of our ideas for improvement which we shall list below. We hasten to point out that he has spent a year as Managing Editor under the "old regime" with no action. His paper is there to see.

Our election platform is the rejuvenation of the **California Tech** — a process which should never have become necessary. Let's analyze what is wrong.

FEATURES FALLEN

Once the pride of the **California Tech**, its Feature Department has deteriorated. Now the best feature writing is the Marlboro ad. The editorial staff has resorted to filler material and dry News Bureau releases to hide its lack of feature columns.

What's more, the quality of the writing has been perverted from clearness to vulgarity, subtlety to grossness, and satire to noxiousness. The personality behind what feature writing there has been has shown an artificial attitude best described as "smirking cynicism."

EDITORIALS EXCITING?

Editorials, once bold, concise opinion, have faded into timid, unimaginative pap. Response, an excellent measure of editorial quality, has been poor. The Letters-to-the-Editor department, once vital and amusing reading, has all but disappeared from the paper. The thought-provoking questions that have abounded

are desirable if they lead to thought-determined evaluations, but an editor has a responsibility to provide his own answers. Lately it's been true: "Not even the editors of the **California Tech** had an opinion."

SPORTS SLIGHTED

Athletes and spectators alike deserve good sports coverage. But the standings of our major teams are not printed, and minor sports are slighted. Articles have contained gross inaccuracies (such as the swimming team prospectus which rated the team's chances on the basis of people not even out for swimming). Sports reporting demands more than the careless hack treatment it has received under the current Managing Editor.

REMEDY: NEW EDITORS

All right, what's to be done? We, the Abel-Benson-Molho team, believe we have answers. We have people ready to write on subjects missing too long from the paper. Our feature department will include columns on liquor, hi-fi, Campus Brewin's, student life, grad life, city life. We've located writers whose talents match those once on the **Tech** staff. We intend to give them free rein.

In addition to these improvements, we also intend to include coverage of important events at other colleges, utilizing material available from them on an exchange basis. Another special feature will be publicity for out-of-the-way entertainment in the area — an "esoteric attractions" guide.

Our editorials will be printed when they deserve the space. We will editorialize with a clear objective in mind and take definite stands after careful evaluation of problems. Being in a position of easy access to information, we will take pains to get all the facts before forming our opinions.

We intend to improve sports coverage by maintaining a staff of sports writers and by emphasizing complete, accurate reporting.

RESULT: AN EXCITING PAPER

In short, we're out to pro-

vide an interesting and exciting paper — one worth reading and worth working on.

Running as a team, we feel confident that the very diversity of our own interests will aid our idea of a many-flavored paper. Abell, a junior geology major, has had journalistic experience in pre-Caltech days during which time he received public recognition for his editorial ability. Benson, a junior E.E., is current editor of **Totem**, on the YMCA cabinet, and a McKinney essay prize winner. Molho, a sophomore E.E., is a former **Tech** staff member who was also active in the publication of last year's **Little k**. We expect that instead of losing staffers, our lively, rejuvenated **California Tech** will attract the larger, open staff it needs and deserves.

We have some ideas, some talent, some writers. With these we will awaken the **California Tech** from its one-year slumber and rebuild it to a newspaper of major stature.

ROTC Gives Cadet Awards

The Caltech AFROTC had a parade and review ceremony, followed by a change of command, on February 1. During the parade and review ceremony awards were presented to Ken Casey and Gary Walla.

Casey was designated a Distinguished AFROTC Cadet and was awarded the Distinguished Cadet Badge. Walla was awarded the AFROTC Medal of Merit for his outstanding work with the rifle team the first term.

In the change of command ceremony John Todoroff turned over the command to Casey. Todoroff was awarded the Cadet Corps Commander Citation Cord.

Casey's new staff will include George Meunich as Administrative Officer, Walla as Operations and Training Officer, and Rolf Richter as Executive Officer.

The new commander of Flight A is Jerry Siegel and the commander of Flight B is Dave Turner.

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The Electronic Equipments Division of Litton Systems, Inc., with laboratories in the Beverly Hills, Woodland Hills, and Canoga Park suburbs of Los Angeles, and in Waltham, Massachusetts, has positions available now for Ph.D., M.S., and B.S. candidates in these fields:

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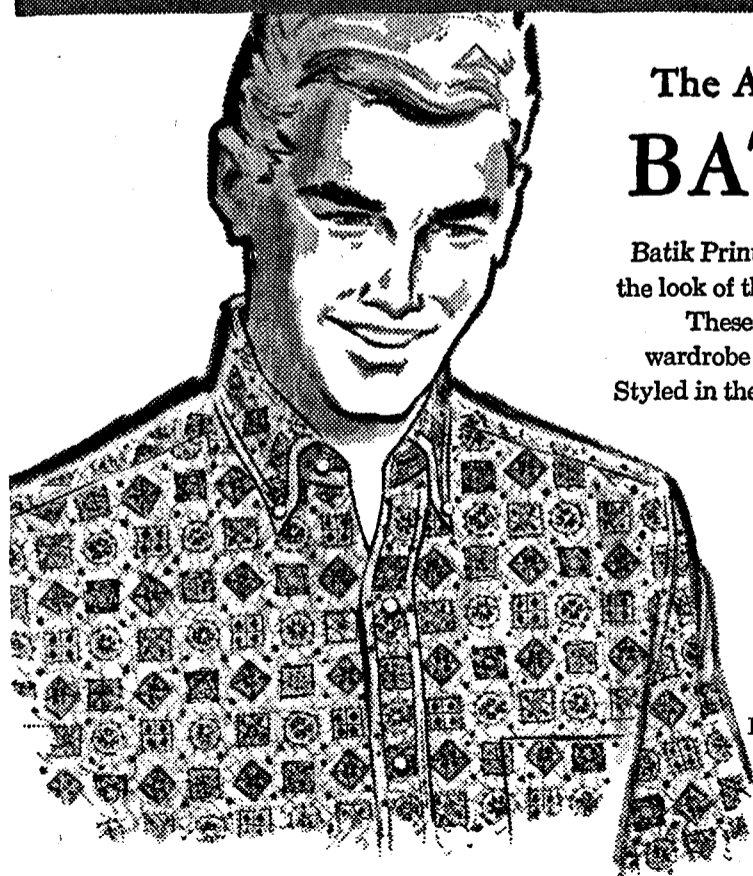
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Plays Worthwhile; 'Zoo Story' Excellent

Two first-rate, if a bit avant gardish, plays currently showing in Los Angeles are "Krapp's Last Tape," and "The Zoo Story." They are both one-acters, and they are both produced on the same program at an obscure place called the Stag Society Theater (near the corner of Melrose and Doheny).

"Zoo Story," a first play by Edward Albee, is by far the better of the two. It deals with man's inability to communicate with man, and compares very favorably to Ionesco's similar treatment of the same theme in "The Lesson."

The play is a dialogue between two people — one a conforming, conventional \$18,000-a-year executive, the other a shiftless, wandering outsider. At the beginning of the play, they meet as equals. At the end, the conformist kills the outsider.

In the middle, they both reveal themselves in their "true" colors — the conformist as a slightly civilized animal, and the outsider as a human desperately anxious for human contact.

"Zoo Story" is ironic throughout, and is mordantly humorous in some passages—as when the outsider tells of his adventures in bribing a savage dog with hamburger.

It sometimes gives the impression of being something very, very adbaed written by someone young and very, very clever, but this may be the fault of being a first play. Presumably Albee will be less precious in the future. As it stands, "Zoo Story" is an auspicious start for a new playwright.

"Krapp's Last Tape," the other play on the twin bill, deals with a similar subject. It is basically a dialogue as well, only this time one of the protagonists is a tape recorder. The one flesh and blood character is Krapp, a bitter, spiteful old recluse, and he spends the bulk of the play listening to, and commenting on, a tape-recorded monologue he made a number of years ago.

As a vehicle for an actor (Carl Betz in this case) to put on a tour de force, "Tape" is superb; as theater, it has considerably less merit.

The play was written by Samuel Beckett, an expatriate Irishman who also wrote "Waiting for Godot" and "Endgame." By comparison to previous Beckett plays, "Tape" seems both shallow and insipid. By comparison to ordinary plays, it is above average, but not by much.

The two one-acters together, however, compliment each other, both in approach and direction, and they make for an evening well-spent.

"Zoo Story" alone is worth the price of admission (\$3.50 and \$2.65), and "Krapp's Last Tape," although deficient by comparison, justifies being seen. They are presented only on Friday, Saturday, and Sunday evenings, and the theater is small, so it pays to get tickets well in advance.

Hanna Visit

(Continued from Page 1)

and several sections of the U.S. Navy Military Government Handbook for the Marianas, Caroline, and Palau Islands. He has also published articles on Southeast Asia in The Reporter magazine.

Interview Sked - Few Summer Jobs

FEBRUARY 17:

*General Mills—BS, MS, PhD/EE, Ph. No summer. MS, PhD/Ch, Reoph.

Lenkurt Electric Co., Inc.—BS, MS/EE. No summer.

*Litton Industries — MS/EE, Ph. No summer.

*Microdot, Inc.—BS, MS/EE, ME. No summer.

*Transdynamic — BS/EE, ME, Pt. No summer.

*National Aero. — Space Admin.—BS, MS, PhD/Ph, Ch, Ae, MS, EE. No summer.

FEBRUARY 20:

*Texas Instruments Inc.—BS, MS/ME, BS, MS, PhD/Ch, ChE, EE, Ph. No summer.

*Anaconda Wire & Cable Co.—BS/ME, EE, No summer.

*Aerojet-General Corp. — BS, MS, PhD/Engrng, Sci. Summer: Jr. up/Engrng, Sci.

Ampex Corp.—No summer.

*North American Aviation, Inc. Atomics International— BS, MS, PhD/Sci, Engrng. Summer: BS, MS, PhD/same.

Autonetics—BS, MS, PhD/EE, ME, Ph, Ma. Summer: MSup/same.

Los Angeles—BS, MS, PhD/Engineering. No summer

Space & Info. Sys. Div.—BS, MS, PhD/Ae, EE, ME, Ph. No summer.

Rocketdyne—BS, MS, PhD/Ae, Ch, ChE, EE, CE, Ma, Ph, ME. No summer.

FEBRUARY 21:

*Radio Corp. of America—BS, MS/EE, ME, Ph. Summer: Jr. up/EE, ME.

*North American Aviation, Inc. Atomics International — BS, MS, PhD/Sci, Engrng. Summer: BS, MS, PhD/same.

Autonetics—BS, MS, PhD/EE, ME, Ph, Ma. Summer: MSup/same.

Los Angeles—BS, MS, PhD/Engineering. N osummer.

Space & Info. Sys. Div.—BS, MS, PhD/Ae, EE, ME, Ph. No summer.

Rocketdyne—BS, MS, PhD/Ae, Ch, ChE, EE, CE, Ma, Ph, ME. No summer.

*Aerojet-General Corp. — BS, MS, PhD/Engrng, Sci. Summer: Jr. up/Engrng, Sci.

FEBRUARY 22:

*Cons. Electrodynamics Corp. —BS, MS/Ch, EE, ME. No summer.

Flour Corp., Ltd.—BS, MS/ChE, EE, MS/CE, ME. No summer.

*Litton Systems, Inc. — MS, PhD/EE, Ph, Ma. No summer.

FEBRUARY 23:

*Los Alamos Scientific Lab.— BS, MS, PhD/Ch, ChE, ME, EE, MetE, Ma, Ph. No summer.

*Raytheon Co.—BS, MS, PhD/EE, ME, Ph. No summer.

Ingersoll-Rand Co. — BS/EE, BS, MS/Ph, ES, BS, MS, PhD/ME. No summer.

*Rayonier, Inc.—BS/ChE, ME, CE. No summer.

*Airesearch Mfg. Co.—BS, MS, PhD/ChE, ME, EE, Ph. No summer.

FEBRUARY 24:

*Los Alamos Ecientific Lab.— BS, MS, PhD/Ch, ChE, ME, EE, (Continued on Page 10)

Engineers!

Scientists!

WE'RE LOOKING
FORWARD TO
MEETING
YOU



Last year we had the pleasure of meeting many engineering and science seniors during our visit to the campus. As a result of our discussions, a gratifying number chose to join our company.

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We hope you'll arrange an interview through your Placement Office. We're looking forward to meeting you.

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Jon Kelly

(Continued from page 4)

man of Student Activities should work closely with the student groups and see in what way that ASCIT can help their program financially and otherwise if it is called for. Greater recognition should be given to achievements and activities of the various clubs and organizations.

I would also like to see greater student expression in the general program rather than having decisions made on the board without first considering general student opinion. To make this possible, I propose to work closely with all student organizations and activities and from general contact with the rest of the students to find out what people are interested in and see what can be done to bring ASCIT closer to the interests of the students at large. One thing I would like to do is write a column in the paper in which I will bring ASCIT activities and group activities into focus.

In the past there has been general dissatisfaction in the quality of such things as pep rallies, after-game activities, dance class, and some other school functions. Some activities are even looked at as jokes. The Chairman of Activities should take the initiative and help improve these functions. Having had considerable experience in organizing such student activities, I think I can promote and co-ordinate a broader and more attractive program.

Rotation Letter

(Continued from Page 8)

their time and how to use it when they have it. Anything that teaches them how is desirable. Rotation firstly teaches them what every senior knows, that there are more important things than studying. Secondly, if they are lucky, the frosh learn, toward the end of first term, how to cram and use every second and minute for studying, and writing term papers and lab books. When discussing rotation, the importance of the frosh can be over-emphasized. Rotation has similar value for the sophomores and upperclassmen, also, however, in giving them something that they believe is really more important than studies to consume their time, thus preventing them at the beginning of the year from getting the idea that the subjects taught here are interesting or important.

Clearly for the above reasons — learning the proper use of time and the art of lifemanship and hypocrisy — one should realize how great a mistake it was to drop rotation this year and reinstate next year.

Interviews

(Continued from Page 9)

MetE, Ma, Ph. No summer.

*Northrop Corp.—BS, MS, PhD /Ae, EE, ME, Ph, Ma. No summer.

*U. S. Army Ord. Missile Command—BS, MS/EE, ME, BS, MC, PhD/Ph, Ma. Summer: BS, MS/EE, ME, BS, MS, PhD/Ph, Ma.

Art Robinson

(Continued From Page 6)

but I shall also make some additions in an effort to render the efficiency more effective.

The documentary minutes with which you are already familiar will be supplemented by periodic articles in the California Tech summarizing the motivation behind board actions and the various sides at issue on particular questions of interest. Also, I shall see that more effective publicity is given important ASCIT events rather than leaving this up to disinterested House organizations.

It is of primary importance that the "A" in ASCIT represent that word for which it was originally intended. To this end, the Board of Directors should consider seriously such pro-

grams as revival of the assemblies period, more frequent and varied social activities, and the myriad of other possible all-school activities. We may all benefit considerably from a closer association of the phenomenal number of organizations and interesting people which make up our student body. I will, of course, appreciate very much your support in the coming election. I am certain you will not regret that support!

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Don O'Hara

(Continued From Page 6)

more consistently kept up-to-date than it has in the past. In addition, I propose that the bulletin board be expanded to include a calendar of club meetings and other events which may not involve the entire student body, but which, nevertheless, affect some students in all Houses.

The second improvement concerns the Consolidated Charities Drive. Up until a few years ago, this was conducted as an inter-house competition, with the faculty serving dinner to the winning House and presenting entertainment afterward. When the competitive system was abandoned, it was promised that there would be some form of entertainment for all who contributed. This, of course, has failed to materialize, and hence, I promise that, if elected, I will do something along these lines

to encourage more interest in the charities drive.

In areas outside the immediate responsibility of the Representative at Large, I would like to see an additional ASCIT social event each term, something a bit less elaborate than present ASCIT events, and perhaps organized along the lines of the "grand amalgamated" exchange which replaced the Freshman Tea Dance this year.

In addition, I suggest that ASCIT look into the possibilities of bringing an art exhibit to the campus, and perhaps also sponsoring one or two outstanding assembly programs each year.

Sing

(Continued from page 1)

Dave Helfman, a freshman, will conduct Ruddock House in "Eulogy," "Didn't My Lawd Deliver Daniel," and "Sailor Chanty."

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February 21

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