

CALIFORNIA TECH

California Institute of Technology

Volume LIV

Pasadena, California, Thursday, February 19, 1953

No. 17

Inter-College-Council dance will feature Freddy Martin

Affair Scheduled for Saturday from 9 to 12 at Ontario Armory; Tickets \$2.00 a Couple

One of the big social events of this term is scheduled for this Saturday evening when Tech and eight other colleges will co-sponsor the Inter-College-Council dance at the Ontario Armory.

The entertainment will be provided by Freddy Martin and his band with the intermission spotlight being held by a four-piece jazz "combo" from Occidental College. The tickets are on sale at \$2.00 a couple. The dance will last from 9 pm to 12 pm, and more than 700 duos are expected to attend.

The Inter-College-Council is putting on the dance with an eye toward promoting inter-college relations. All costs as well as all profits will be shared by the member schools in proportion to the number of students.

The Ontario armory has plenty of nearby FREE parking space for those who attend, and maps will be provided with the tickets, a thoughtful convenience which should make the armory easy to find.

Sailing club

Last Monday evening the members of the Sailing Club were given a very interesting talk on the techniques of dinghy handling. The speaker was Mr. Pete Serrell, the West Coast dinghy handling champion. Mr. Serrell offered to give some pointers on handling to anyone interested, and for that purpose he will be at the LAYC mole on Sunday, March 8.

Interview Schedule

THURSDAY, FEB. 19—BS, MS, PhD/Ch, ChE. Dow Chemical Co., Midland, Mich., and Pittsburgh, Calif.

THURSDAY, FEB. 19—BS, MS, PhD/Ch, ME, EE, Ch, Ph, Ge (engineering). Phillips Petroleum, Bartlesville, Okla. Also Juniors up for summer.

THURSDAY, FEB. 19—BS, MS, PhD/Ge. Geophoto Services, Denver, Colo.

FRIDAY, FEB. 20—BS, MS/CE, ME, ChE, BS, MS, PhD/Ch. The M. W. Kellogg Co. Research and Development Center, Jersey City, N.J.; Chemical Engineering Department, New York City; Construction Department—assigned locations; Process Development and Design Engineering Departments, New York City.

FRIDAY, FEB. 20—(BS), MS, PhD/Ph, EE. Sylvania Electric Products, Inc.

FRIDAY, FEB. 20—BS, MS, PhD/Ch, ChE; MS/Ge. Cerro de Pasco Copper Corp., Main Office, New York City.

MONDAY, FEB. 23—BSup/CE, EE, ME, Ae. North American Aviation, Inc.—Engineering Department—Inglewood.

MONDAY, FEB. 23—BS, MS/Ch, ChE, ME, EE. American Potash & Chemical Corp., Research Engineering, and Production Departments—Trona, Calif. Research Department, Whittier, Calif.

MONDAY, FEB. 23—BS, MS/ME. Reynolds Metals Co. Interviewers will be from the Phoenix, Ariz., plant.

TUESDAY, FEB. 24—BSup/EE, ChE, ME. Anaconda Wire & Cable Co. Positions in Sales, Research, and Manufacturing.

TUESDAY, FEB. 24—BSup/Ch, ChE. General Petroleum—Laboratory Division. Vernon area. PhD/Ph, Ch. Socony-Vacuum Research—positions in New Jersey.

TUESDAY, FEB. 24 and WEDNESDAY, FEB. 25—BS, MS, PhD/Ph, Ch, Engineers. Ford Motor Co., Dearborn, Mich. Training program covering the following fields: mechanical engineering, plant engineering, methods and process engineering, tool design and engineering, etc.

WEDNESDAY, FEB. 25—BS, MS/Ch, ChE, CE, ME, EE. Goodyear Tire & Rubber Co.

WEDNESDAY, FEB. 25—BS, MS, PhD/Ae, Ph, EE, ME, CE. Goodyear Aircraft Corp.

WEDNESDAY, FEB. 25—General Electric—Group Meeting, 4:15 P.M.—109 Mudd.

WEDNESDAY, FEB. 25 and THURSDAY, FEB. 26—BS, MS/ME, ChE, Ch, Ph. U.S. Atomic Energy Commission Co. Idaho Falls, Idaho.

THURSDAY, FEB. 26—MS, PhD/Ae, Ph, Ma, EE. Johns Hopkins Laboratory.

THURSDAY, FEB. 26 and FRIDAY, FEB. 27—BS, MS, PhD/Ch, ChE, EE, Ma, ME—Metallurgists. General Electric. Interviews.

THURSDAY, FEB. 26 and FRIDAY, FEB. 27—BSup/Ch, ChE, ME, EE. Shell Research. Interviews for men interested in Petroleum Research—Research on fuels and lubricants.

Annual championship debate to be held Friday, Saturday

Tech hosting thirty western schools question to deal with federal FEPC

This coming Friday and Saturday, February 20 and 21, Caltech will again sponsor its annual championship debate tournament. The staid halls of Tech will, as in the past, reverberate with *ad hominum, non sequiter, ignoratio elenchi*, and other non-scientific verbal exchanges, according to the director, Dr. Lester McCrery.

300 competitors

Caltech will be host to approximately 300 visiting students who will be debating the national intercollegiate debate question, "Resolved That the Congress of the United States Should Enact a Compulsory Fair Employment Practices Law." The debates will begin at 4 pm Friday, and will conclude at approximately the same time Saturday. Trophies for winners will be awarded in five divisions, men's upper, women's upper, men's lower, women's lower, and Class "B."

Public invited

It is to be noted that the public as well as Tech students are heartily invited to attend the debates. Each debate lasts but an hour, so the audience has ample opportunity to move on and listen to a variety of speakers.

30 colleges to enter

Among colleges represented from out of state are Brigham Young University, Carbon College, and Weber College, all of Utah, and University of Arizona and Arizona State College, from Arizona. California colleges and universities will include Stanford, Santa Barbara, Bakersfield, San Diego State, Fresno State, Pomona, Whittier, University of California at Los Angeles, University of Southern California, Pepperdine, Los Angeles State, Los Angeles City, Long Beach States, Long Beach City, Loyola, Occidental, Compton, East Los Angeles Valley, Pasadena City College, Pasadena Nazarene, Redlands, San Bernardino Valley, Upland, and of course California Institute of Technology.

Tech has 14 debaters

Caltech will enter seven teams in the tournament, a number which is exceeded by only five of the other competing schools. Tech debaters in the tournament are Tom Bergeman, Jim Short, Bill Lindley, Myron Black, Miles Nesman, Ray Orbach, Bob Ryle, Martin Roth, Jim Enright, Howard Berg, Gary Boyd, Bill Dibble, Ray Price, and John Young.

Campus Calendar

THURSDAY, FEB. 17—
12:00 YMCA Graduate-Faculty Luncheon Forum, Athenaeum—"Indo-China—A Struggle for Freedom"
6:00 S.A.E. Dinner Meeting, Rodger Young Auditorium, Los Angeles

FRIDAY, FEB. 20—
9:30 Varsity Tennis vs. Loyola at Loyola

SATURDAY, FEB. 21—
7:00 Varsity Basketball vs. L.A. State at L.A. State

SUNDAY, FEB. 22—
8:00 Chamber Music Concert, Dabney Hall

Draft dodger test deadline March 9

All eligible students who intend to take the April 23 Selective Service Qualification Test should file application as soon as possible. Applications and a bulletin of information are available at any Local Board. These applications must be mailed before midnight, March 9, 1953, but students are advised that it is to their advantage to get their forms in as soon as possible.

Book exchange is rearranged

The book exchange in the Y office has recently undergone a major overhaul, so that it is no longer necessary to search through the whole case to find the desired book. All old texts and those that obviously would not be sold were packed and shipped to the University of Indonesia, where they should prove very useful.

The major problem at the moment in the book exchange is getting the money back to those people whose books have been sold. There is now a whole card file of "sold" slips for which the money has not been collected. Check up, if you have any books down there.

There is always a larger demand than supply for books in good condition, so get those books you never look at down to the Y office. You may ask your own price and if the book sells for that you get all the money.

Operation greerhouse

Operation AEC movie release covering the Eniwetok atom blast, will be shown next Monday at 11 o'clock in 010E. The movie has been pieced together from the best shots obtained by the thousands of cameras which were trained on the blast.

Advisors now needed in preregistration

All undergraduate students have been requested to pick up their pre-registration cards between February 23 and February 27. The upper class students have been assigned to sections and advisors. After the student has filled in his third term program according to his assigned program, he should have his card signed by his advisor; then he must return it to 119A Throop before February 27.

Freshmen

All freshmen have been assigned to sections for the third term. Since they are not assigned to advisors for the third term pre-registration, they should pick up their pre-registration cards in 119A Throop between February 23 and February 27, fill them out, and return them to 119A Throop by February 27. The freshmen will be assigned to option consultants in May for the fall pre-registration.

All students

If a student wishes to change a course or section after pre-registering, he should report to 119A Throop before the end of this term. If any changes in schedule are necessary on a student's program because the sections are full or for other reasons, the student will be notified whenever possible. Any student who does not expect to attend the Institute next fall is requested to leave that information in room 119A Throop.

Questions

Any student having any questions regarding his section or conflicts in his courses should see Mrs. Duff in room 119A Throop. The pre-registration card should not be held out after February 27 without special permission.

Vote for me

President

Next Thursday you, the student body, will again go to the polls to choose your ASCIT President. As a candidate for this office, I fully realize the importance of the ASCIT presidency as well as the duties and responsibilities that are involved in holding this position. I recognize the merits and qualities that must be incorporated into a potential student body president, and feel that I meet them.

When you select your President you want to select the can-

didate whom you know is the best representative of you, the student body. You must choose the man in whom each of you can place complete confidence and faith as your delegate to the student-faculty relations committee, the alumni association, and the intercollegiate council, and as director of your \$10,000 a year corporation. This man must have the ability to meet other people and to make decisions, and above all he must have the ability to lead. He

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18 week reading course furnished

Dr. Weir announced last week that the 18-week reading course started last term has been completed, and the results are quite gratifying. The freshmen who took the course did so of their own free will, and had scored in the lowest quarter of the freshman class in a series of three speed and comprehension tests. At the conclusion of the speed-up course, those who had finished it were tested again and it was found that their speed and comprehension had gone up as high as the top quarter in the first tests.

Politics?

At last Thursday's assembly there occurred what is probably one of the most important events in the school year: ASCIT nominations. It is sort of strange, then, that there were more people on the stage in Culbertson than there were in the audience. Stranger yet is the fact that so many offices have only one candidate. These men whom we elect will have control over a lot of our money and are at least as important as any faculty board connected with students.

During next week's election we should all vote for the men we want in office. Read all the campaign promises that are in this issue. They tell who to vote for and why.



For all men love good food, good wine, and sex.

—Aristotle

The great oracle (hears all, sees all, knows nothing): Dave Cantor has just come forth with the following dire comment on the state of the union, "Eisenhower hasn't even been in two months, yet the price of gasoline is already going up." Will sex be next, Dr. Cantor?

Fluid flow

Phil Bates and fiance were honored at a reception Sunday, at which spirit flowed as it should. All of Ricketts which was not high in the mountains was high there.

And Robert Easton was still sober enough to remember the newly learned dictum, never congratulate the female member of the doomed couple. Thus when confronted by Myrna, he, with his usual effervescence, muttered the never-to-be-forgotten phrase, "Uhhh," from which we hope the betrothed couple will gain great comfort and joy in the years to come. Dick Brown was also prominent among those determined to prepare for a possible coming drought, not to mention Morgue Ogilvie.

The altitude was not the only reason those at the mountain party were high. Hunt Small's contribution supplemented the mountain's. Going to even greater heights, Tyson and Rocchio are singing the praises of Strawberry Peak, although when asked about the view, commented little. Stags Schroeder, Bai-

ley, and Deveney concluded that the game of hearts does not improve with altitude and dejectedly returned to Tech muttering something about not having a fourth for bridge. The Beak's pity for gentlemen who find nothing better to do at Arrowhead than play bridge.

Gad!

For the benefit of those who could find nothing better to do with the F-84 than park it in front of Col Small's house we offer the following from the New Yorker:

"French woman aviator sets new record for sex in Jet."

—Washington Times Herald

Last week Ralph Miles, in sheer desperation, tried calling seven different girls in an effort to get a date for the weekend. It was all to no avail, for he wound up as womanless as when he started. But, it seems that Stefanides and Vartanian afterwards managed to get hold of the phone number of one of the girls that he had called. They called her up, got her on the line, and then got Ralph to the phone saying that he had a phone call. Not quite understanding the plot, he asked her who she was. She came back quickly with, "Well, you talked to me already this afternoon; you must have called an awful lot of girls." Ralph spent the rest of the afternoon picking up pieces of broken jaw and teeth off the floor. So far as we know he still hasn't figured out which one she was.

The Og

Monday night Happy-boy Ogilvie came back from a rather damp off-campus party. It must have been mighty foggy there because he was flying on instruments for the rest of the night. We think his gyro tumbled. Also, we have a question for Morge: Who has hair on whose chest?

What else, Alex?

Alex Ozeroff is learning the hard way. He has been going rather steadily with a girl from Oxy for the past three months.

California Tech

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Two weeks ago all was love and kisses (and God knows what else from the way he tells it) but last Saturday night she had to break her date with him—she was being married that night to some other guy. Says Alex, "I don't mind so much her getting married to somebody else, but how in the hell did she make up her mind so damned fast?"

MUSICAL SHORTS

by Stanley Grotch

Last Saturday many Americans heard for the first time Igor Stravinsky's new opera "The Rake's Progress." I for one was somewhat amazed. From the beginning I braced myself to bear the onslaught of diabolical dissonance which most people associate with any modern composition. However there soon proved to be little justification for these fears. There were very few sections that we associate with being typically Stravinsky. Many of the solo arias were beautiful melodies reminiscent of Puccini.

The majority of the English libretto was easily understandable. Eugene Conley, Hilde Gueden, and Blanche Thebom performed their somewhat difficult roles admirably. The orchestra background was quite different from the famous Stravinsky compositions, "Firebird Suite" and "Le Sacre du Printemps." The syncopated rhythms and dissonant harmonies of "Le Sacre" are seldom heard in the more subdued Rake. It will certainly take many more hearings to determine whether the opera will become a member of the standard repertoire, but I believe it has all the attributes necessary for the attainment of that position.

This week end, opera enthusiasts will get an excellent chance to review the relative merits of opera in English vs. opera in the original language. Saturday

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VOTE FOR ME . . .

(Continued from Page 1)

should be a well-rounded individual—active in student government, student organizations, and social activities as well as sports, and possessing an acute awareness of the problems of the ASCIT.

I feel qualified to execute the duties as your student body President because of my high school experience in student body offices as well as my participation in student activities here at Tech. My participation in frosh football and baseball, varsity soccer and baseball, cadet commander of the ROTC, junior class vice-president, member of the Beavers, and house activities have enabled me to gain insight to many of the problems that must be faced by the ASCIT government in the coming year.

I sincerely believe that I am the candidate that you will be looking for next Thursday, and

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which there is almost no demand.

What I propose is a fairly large portion of the appropriation be set aside in a general library fund, out of which the librarian would make purchases in those fields in which there was student interest and in which the library seemed to be lacking. This plan would do a much better job of meeting student needs without any additional expenditures.

—Dick Lawrence

Attention June Graduates

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THE SPACE BEAVER

By WALT LEE

The Haploids

Jerry Sohl's excellent novel, *The Haploids*, is now on sale in pocket form at a tenth the original Rinehart cost.

This original novel opens with a dying man admitted to a hospital—dying from no known cause that medical science can name but yet evidently not dying fast enough, for shortly thereafter a woman slips in to murder him. The tale that follows is a combination science-detective yarn with a reporter who eye-witnessed the murder backtracking the woman to discover the haploids, an artificially created race of women.

Not mentioned in the book is the fact that the author did considerable medical research for the novel, to show (at least to his own satisfaction) that haploids are quite possible. The volume is dedicated to the doctor who created the first haploid.

From the hospital, the woman's trail leads to a hastily deserted laboratory and the first faint glimmerings of truth about the haploids—a race apart. Sohl has done a competent job of giving a brand-new twist to an old theme, a twist that is painstakingly built within the framework of modern medical experimentation. It is also refreshing science-fiction because the usual trappings of space ships, beams, tractor beams, and galactic wars, are absent. The time and place is here, today.

S-F Plus

The March issue of Hugo

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Gernsback's new magazine should be on sale by the time you read this. The April issue of this monthly will feature "World War III in Retrospect," a complete, scientific, chronological history of the next world war illustrated with 16 illustrations and photos.

Also featured will be stories by Clifford D. Simak, Raymond Z. Gallun, Richard Tooker, Frank Belknap Long, and others. The magazine will use serials, probably before the sixth issue, which will be no longer 60,000 words, at present. The second cover will be by Alex Schmoburg; while the third will be by Frank R. Paul.

Movies

Ring Around the Moon by Robert A. Heinlein is being filmed for TV.

It is rumored that George Pal will produce **After Worlds Collide**, a much better story than the first of the series. **Conquest of Space**, the Bonestall Ley, collaboration would supposedly be next.

Watch out for **Ma and Pa Kettle Go to Heaven**.

Robots will supposedly circle the Capitol in flying saucers in **The Planet Men**.

Abbott and Costello Go to Venus, instead of Mars, will probably soon be produced as was previously announced.

Curt Siodmak will film his own **Donovan's Brain**, and Darryl Zanuck is to produce Siodmak's **The Face of the Deep**—Bradbury is later expected to collaborate.

Temple's story **Four-Sided**

WAGGIN' WHEELS

by John Dresser

Since the war, a constantly increasing number of sports cars have been imported to this country from Europe. Apparently, Detroit has taken notice of this and has decided to produce American sports cars. Cadillac, Buick, and Packard, to name but a few, are offering this type of production car to the public.

A sports car is a vehicle designed for racing and touring. It is fast and must have excellent roadability. It need not be a convertible, but must have lights, starter, etc., so that it may be used for everyday transportation. Although a sports car may be large—as is the Cunningham—it must be able to negotiate a turn at high speed without producing the wet-sponge effect.

The Buick Skylark uses a stock Roadmaster chassis and a special convertible body. This gives it a high top speed and fair pick-up (that is, acceleration).

Triangle has been retitled **Girl in Trouble**. If this indicates what I think it does, another good story has been carefully ruined in filming.

Theodore Sturgeon's **A God in a Garden** is being filmed for TV.

News Notes

The reprint SF mag **Tops in Science Fiction** may be discontinued (I hope.) At least there are no plans for the second issue.

Widest Selection
CLASSICAL RECORDS

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tion), but the suspension is unchanged. It might prove embarrassing for the owner of one of these powerful automobiles to have an M.G. run away from him on a mountain road. A Skylark costs \$5500; a Jaguar costs \$4100.

The Cadillac El Dorado is a \$9000 convertible. The most outstanding difference between it and a regular convertible is the slight slope of the doors. This is hardly worth \$4000. It might be noted here that the competition model of Mercedes (the car which placed 1, 2, 3 in the Mexican Road Race) sells for \$7500 in Los Angeles.

The Buick Skylark and Cadillac El Dorado are certainly sporty cars. They probably have wonderful pick-up on Hollywood Blvd. Their acceleration is probably all right, too.

The Mercedes 300-SL and Jaguar XK-120 are sports cars. The differences are self-evident.

There is nothing wrong with sporty cars. They are the ideal toys of millionaire's sons. An object worthy of derision, however, is the attitude of the salesman that these are sports cars. To note the difference, place a Cadillac and a Mercedes on any road or track, with equally competent drivers, and see what happens. It is quite improbable that the experiment will not be successful.

MUSICAL SHORTS

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(KEC A11:00 AM), the Metropolitan will broadcast Puccini's "La Boheme" in the original Italian. Sunday (KNXT 1:30 PM) Omnibus will present the same work in Howard Dietz's new English translation. After seeing Omnibus' excellent production of "Die Fledermaus," I am looking forward to this new production.

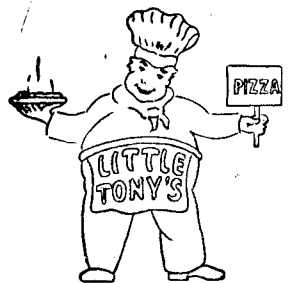
Saturday's radio cast includes Jan Peerce and Victoria de Los Angeles. Sunday's television cast is headed by Bryan Sullivan.

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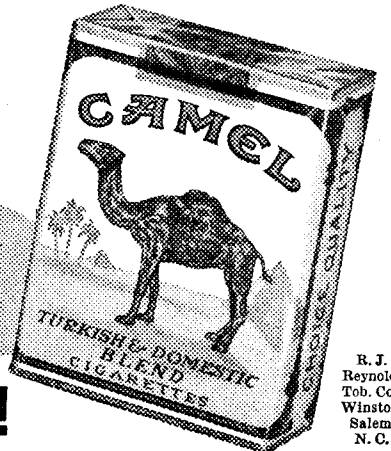
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VOTE FOR ME . . .

(Continued from Page 2)

if selected as your student body president, I pledge my full efforts toward the betterment of the student body, and I promise to uphold the dignity and high traditions expected of the

ASCIT President.

Respectfully,

—Donald Hook

Your ASCIT President presides over the Board of Directors. In this capacity he works to develop a policy which represents you. Your President

works with the faculty and Inter-House Council. In this capacity he works to coordinate your interests with those of the faculty, other schools and the public. Further, your President is called upon as your representative to speak before new students and outside groups. In

short, your President represents you as a student body both here at Tech and outside.

To do this job efficiently your President must be capable of controlling the gavel so that work will be accomplished. I have had experience with this task as president of my class

in the Freshman and Sophomore years.

Your President must be capable of giving aid to the other members of the Board. As Athletic Manager of the ASCIT I have had occasion to organize a number of events and I'm familiar with the organization and problems of our student government.

Your President must have a good grasp of the ideas of those outside the Student Body. As a member of the ICC, Student Faculty Relations Committee and Athletic Council I have a good understanding of the objectives and ideas of these bodies. Only too well do I realize the liberalness of our faculty, and as President I would strive to continue the cooperation that exists now.

Your President must have the desire to incite the other members of the Board to do an outstanding job. The BOD is like any other team and without encouragement and interest it will fail. The other members of the Board look up to the President for encouragement and aid when presenting a program or new ideas. Only too easily will this enthusiasm and originality stop to flow if the President fails to show interest. This enthusiasm and originality is a necessity for an active ASCIT and as President I would do all in my power to keep it alive.

Foremost, your President must have the desire to represent you. As a result of my contacts with you in class, on the field and elsewhere I feel that I have a pretty good idea of what you desire as a student body. As your President I would continue to encourage the expression of your ideas and thorough discussion of them, for in no other way can I be sure that the Board is representing you.

These are the principles that I believe in and that I will work for if you make me President. With these principles and my experience I will do my best to be worthy of John Gee's shoes.

I have a sincere desire to work with you and the Board as a team to give the ASCIT that extra spark which will make this coming year especially outstanding for all. If you believe in these principles, put your vote after Moose Henderson for Student Body President. I won't let you down!

—Moose Henderson

You, the student body, are doubtless familiar with the general purposes and services of the student government, but certain aspects of the ASCIT President's work nevertheless merit restatement and emphasis. Your President functions primarily as a coordinator of the various operations of the ASCIT government and as your representative to those persons in the faculty and certain other outside organizations who are particularly interested in your affairs. These matters demand of the President a great deal of his time and a serious attitude to his work.

The total ASCIT yearly budget is about \$11,000, \$17.50 of which each of you contributes. This is big business, and it is imperative

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WILL THIS SUIT FIT YOU?



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It won't be easy! Training discipline for Aviation Cadets is rigid. You'll work hard, study hard, play hard—especially for the first few weeks. But when it's over, you'll be a pro—with a career ahead of you that will take you as far as you want to go. You graduate as a 2nd Lieutenant in the Air Force, with pay of \$5,300.00 a year. And this is only the

beginning—your opportunities for advancement are unlimited.

ARE YOU ELIGIBLE? To qualify as an Aviation Cadet, you must have completed at least two years of college. This is a minimum requirement—it's best if you stay in school and graduate! In addition, you must be between 19 and 26½ years, unmarried, and in good physical condition.

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VOTE FOR ME . . .

(Continued from Page 4)

tive that your ASCIT officers, as managers of the corporation, perform their duties expeditiously and efficiently. As presiding officer of the board, the President must be fully aware of the duties, capabilities, and actions of each man on the board. Because the President is the primary contact of the student body with the faculty and the outside world, he introduces a good portion of the business at board meetings. He must channel the discussion to the most important points of each problem and take the responsibility for their solution.

To realize the importance of the aspect of representation, the full scope of the President's activities must be seen. In addition to meeting with the Board of Directors, the ICC, the Board of Control, and the Student-Faculty Relations Committee, the President represents the views and opinions of the student body to the Deans and to any visitors to the campus. On Student's Day, Parent's Day, and at frosh camp, he is called upon to make welcoming or explanatory speeches. Few people know that the President also meets with the Alumni Board of Directors, yet this group is extremely important to you. The donation of the forthcoming swimming pool by the alumni is probably the best example of the help you can get from outside aid that has direct contact with the student body. The job of expressing student needs and views to a group such as this demands a versatile man possessing tact, discretion, and maturity, who is well versed in public relations activities.

A well-coordinated student government and serious, mature representative can directly benefit you, the voter. I believe and my supporters believe that my previous experience outside Caltech and my present membership on the Board of Directors, the Student-Faculty Relations Committee, and in the Beavers will qualify me to perform the President's ordinary responsibilities and have further given me the extra knowledge necessary to impart to the office of President the dignity and maturity which wins the respect of the ASCIT from all of those we contact.

—Bill Autrey

Vice-President

Besides the regular activities of membership on the Board of Directors, the office of Vice-President carries with it three specific duties. The first of these is the Chairmanship of the Consolidated Charities Drive, which is now in progress. It is up to the Vice-President to see that this drive is a success in helping the organizations which are included in its appeal. The second job of the Vice-President is to head the Honor Point Committee. This is perhaps a more routine job than the others. Finally, as you know, the Vice-President is Chairman of the Board of Control. In this capacity, he can increase student awareness of the Honor System through occasional messages in

the California Tech and signs posted along the walls during exam time.

These are the things the Vice-President does. I can only say that I hope to continue the distinguished performance made by people who have held the job before me. With your cooperation, I believe I can keep the Honor System in its present position of respect and maintain the Charities Drive as the annual success it is now.

—George Johnston

Secretary

The Secretary of the student body is a very busy person. His duties are to assist the President, to record the proceedings of the Board of Control and the Board of Directors, and to be in charge of all student body records. He handles the ASCIT correspondence and is a member of the Student-Faculty Relations Committee. It is also his job to publish the "Report to the Student Body," and to post notices of all ASCIT board meetings and decisions.

I am submitting my name because I sincerely wish to serve you. I have met many of you in interhouse sports, and in various other activities. But whether or not we are person-

ally acquainted, I promise this: That if you see fit to elect me, I will work to fulfill the duties of the office to the best of my ability, and will persevere to maintain the high standards set by the previous Secretaries.

Thank you!

—John Weisner

The man you elect to be ASCIT Secretary will have as much or more responsibility as any man on the BOD except the President himself. He must not only keep all the contemporary records of the ASCIT government, but he must be an expert on the past records of both governing bodies, the Board of Directors and the Board of Control.

In addition to this he must be intimately acquainted with the constitution of the student body—the By-laws, and the Resolutions to the By-laws. All this besides keeping up with the normal correspondence and book work connected with a corpora-

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tion the size of the ASCIT. Because of the diversity of the problems, you must choose the next ASCIT Secretary carefully. If I am your choice I can only promise to try to attain the degree of perfection enjoyed by the two ASCIT Secretaries I have known, to treat the records of the ASCIT as if they belonged to my own business, and to keep the student body informed about ASCIT proceedings.

—John Merrill

ASCIT Treasurer

When you vote for a candidate you should first consider the requirements of the office. Beyond the somewhat mechanical duties of bookkeeping and check-writing, it is important that your Treasurer be capable of performing his function of planning

the budget and representing the student body.

In order to protect the services which are offered to the student body, he must allocate the available funds for athletic awards, ASCIT social functions campus publications, and yet re

(Continued on Page 6)

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JOB WITH A FUTURE—

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As was pointed out in the last issue of the *Digest*, Du Pont's many product lines afford men interested in production supervision experience in a wide variety of operations.

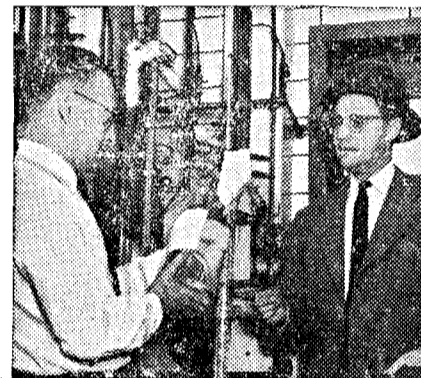
For a better idea of what the work involves, let's consider a specific case—the production of "Mycoban" sodium and calcium propionates, inhibitors used by bakeries to extend the mold-free life of bread and other baked goods.

Many of the problems encountered in the manufacture of "Mycoban" are similar to those arising in the manufacture of any Du Pont chemical. There is the same continuing effort to improve quality, while cut-

ting costs through the better use of equipment, instrument controls and raw materials.

The supervisor works hand in hand with the plant technical section toward these goals. He also keeps himself informed on technological and economic trends affecting production and sales, finds explanations for out-of-line costs, and prepares plans and estimates for increasing production.

Such work obviously calls for a sound technical background. In addition, however, considerable administrative ability is needed. A supervisor must be able to supervise. His duties include keeping people under him informed about long-range



Production Supervisor Robert B. McCue (at right), B.S. in Ch. E., West Virginia '38, and plant laboratory shift-leader J. P. Quarles, B.S. in Ch. E., Lehigh '38, discuss analysis of a product sample.

changes in company policy and assuming responsibility for their safety and morale.

The unusual problems encountered in "Mycoban" production are largely due to the seasonal nature of its sales. Its greatest use is in the hot, humid months, or from late spring to early fall. For this reason:

1. Production and warehouse inventories of "Mycoban" must be carefully balanced against sales forecasts. The supervisor gathers necessary background information for this operation.
2. Production needs, including manpower, equipment and materials, must likewise be planned to meet sales forecasts.
3. Maintenance, including a yearly hydrostatic test of the plant, must be scheduled with the plant maintenance supervisor for the minimum interference with peak-season production. Emergency maintenance must be kept down by carefully planned preventive maintenance.

As you can see, production supervisors have a broad field of activity at Du Pont. The experience gained in this job will prepare an ambitious man for advancement to positions of still higher responsibility.

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Process Control Engineer W. L. Morgan (at left), B.S. in Ch., West Virginia Wesleyan '37, observes packing characteristics of "Mycoban" powder as it comes from the loading hopper.



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VOTE FOR ME . . .

(Continued from Page 5)

tain an economy of operation.

I believe that I can competently perform this duty and also represent your student body. I have lived both off-campus and in the houses and feel that I have sufficient background in campus activity to accurately represent you on the Board of Directors and the Student-Faculty Relations Committee.

I would therefore appreciate your vote and confidence.

—Jerry Van Hoven

In January, George Moore, who is now the ASCIT Treasurer, outlined the duties of the

office and and I think I'll remind you of some of the important points that he brought up. The annual budget of the ASCIT exceeds \$10,000 per year and must be allocated wisely and efficiently. Besides this one eye on the bank account, the Treasurer must keep track of current student affairs since he is a members of the Board of Directors and a member of the Student-Faculty Relations Committee.

I think it should be sort of evident that if I didn't want the job of Treasurer and didn't think I had the qualifications, I wouldn't run for the office. I think that I have shown the important qualifications of common sense, good judgment and

conscientiousness in my handling of the California Tech during the past year. For several years I worked in the business district of New York and have considerable experience in dealing with business men of all kinds.

Remember, that you won't go wrong next Tuesday when you vote for Ron Ratney for ASCIT Treasurer.

—Ron Ratney

Athletic Manager

The most important duty of the Athletic Manager is his representation of the student body in the Board of Directors. His interest in athletics is a prime requisite for this duty.

In BOD meetings he is one of the most active members. Not only is he responsible for a large part of the financial affairs of the student body, but he must arrange the fall banquet and spring sports assembly and must distribute athletic awards. A very major and interesting

part of his job is in representing the school in the Inter-College Council and in the Student-Faculty Relations Committee.

I have been active in student life as Frosh class Athletic Manager and as a member of the Board of Control. In these capacities I have been able to observe the workings of the student body organizations. Also I have shown my interest in athletics by earning awards in football, track, and tennis as well as participating in interhouse athletics.

I want the job of Athletic Manager of the ASCIT for I feel I have the interest and ability to serve the student body.

—Bruce Kaiser

In a few days you will elect men to the offices of your ASCIT for the coming year. One important job in this governing body is that of Athletic Manager. His main duty is to coordinate the student activities

between the athletic department and the ASCIT. He is a member of the Board of Directors and the Inter-College Council, where he represents your interests. He takes charge of the of the fall sports banquet and the awards assembly. He also is responsible for the student sports managers, seeing that their job is properly done.

Naturally you're going to want a guy who really wants to work. One who will see that you have the best athletic program possible. Well, here's one who sincerely wants the job and who promises that you will have the best possible program. He has received a letter in football and is a member of the track team, thus bringing him in contact with the athletic organization at Tech. But what's most important is that he is willing to serve you, the student body, as best he can. Who is this guy? Why he's Ray Grieser.

I know a vote for Ray Grieser for Athletic Manager will be greatly appreciated.

—Ray Grieser

Publicity Manager

The man who serves as publicity manager of the ASCIT has two duties to perform. The first is to represent you on the Board of Directors, which sets your student policies and spends your money with the goal of giving you the most benefit possible from the material it has to work with.

The second, and more unique, is making sure the public hears of your activities. Caltech itself is extremely well known throughout the world because of the academic achievement of the men who do instruction and research here. However, this very publicity tends to put the not-so-academic achievements of the students in the shadows.

As official source of all information concerning the activities of the ASCIT, the Publicity Manager has charge of letting the public know that Caltech students do something besides study. I am willing, able, and eager to take on the responsibilities of ASCIT Publicity Manager and would appreciate your support in the election next Thursday.

—Jim Adams

First Rep

The job of ASCIT social chairman requires a man with experience, social contacts, originality, and enthusiasm.

I have had experience in arranging social events for my frosh and sophomore class as well as for my house. My experience with dance bands, having played saxophone for a total of nine of them, has given me an ear for good bands and ability in dealing with them. I also have several contacts with various entertainers whom I am sure you would welcome at intermission time at dances.

Barn dances have been favorites at Tech for years and an unlimited source of chuckles from our own scandal sheet, the "Campus Brewins." If elected, will advocate a five-house barn dance. I also as a firm advocate of an extended blind-date service.

I promise to visit each house

(Continued on Page 7)

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Tech jumps back into 2nd place Sagehens slaughtered 68-53 4 games left, sweep expected

Score 89, lose Chambers hot

The Tech cagers moved back into second place in the torrid SCIC race. Two things enabled the Shymen to do this. First was the narrow win of Whittier over Oxy, 63-60. Second was the defeat of the hapless Pomona Sagehens at the hands of Tech, 68-53. Whittier cinched first place by virtue of their win and now have a 6-0 record. Pomona bagged last place and have a 0-6 record.

Tech leads

Starting the game as though they wanted to lose, Pomona hit for one field goal in the first quarter and Tech led 18-5. This proved to be the margin of victory and from then on the margin of points did not change much. At halftime the score read 28-17, and the third-quarter score was 51-38. Pomona surged back in the fourth against the subs but Tech was never in real trouble.

Tyler absent

Only one 'Hen played good ball—Smith, with 15 points. Shanks and Anson led the Beaver attack, Fred with 21 and Howard with 9. Chambers had 10, Smitty 8, Madsen 7, Stevens 6, and Britt 7. Tyler was absent due to the flu so the Tech scoring punch was reduced a bit.

Scoring mark set

In one of the best games played by the Shymen this year a new total scoring mark was established. Pasadena Nazarene defeated Tech 108-89! The Beavers played well and stayed even to one of the best teams in the country for the last three quarters. Davis set a personal scoring mark of 39, while for Tech Chambers had 22, Tyler 20, Anson 16, and Madsen 14.

Spring sports get under way

Spring sports are really getting off with a bang in the next two weeks. The Tennis Varsity opens its season with a match against Loyola on Friday, the 20th. The annual inter-class track meet is being held next Saturday. It starts at 2:00 and a wide-open battle is expected.

Golf Starts

Golf practice starts this week and with less than three weeks until the first match, the links should be buzzing with activity. For the first time in years the school is hopeful of getting a real golf course for its matches.

VOTE FOR ME . . .

(Continued from Page 6)

and Throop Club before each dance, soliciting ideas and opinions for bigger and better dances.

With this as the main part of my platform, I sincerely hope you will consider me for the office of First Rep.

—Robert Allen Profet Esquire

Second Rep

There are many reasons why I, Fritz Trapnell, should win your vote for Second Representative. First of all, let's consider the duties of the Second Rep. He is primarily elected to represent the lower classes here at Tech on the Board of Directors and Student-Faculty Relations.

(Continued on Page 8)



Shanks lays one in!

Chapman next Oxy Wednesday

Tech moves into the final two weeks of SCIC campaigning with high hopes of taking all four games. The easiest of the quartet will be this Tuesday at the Armory with the beleaguered Chapman five. Chapman has already been taken by Tech and practically all SCIC teams. One of the roughest will be with L.A. State this Saturday there at 8:15. L.A. State has beaten such teams as Loyola and Santa Barbara.

Oxy Victory Seen

The big game is with Oxy at PCC Wednesday at 8:15. A win over them would virtually assure Tech of second place. We did beat them last time out, if you remember, and it can be done again. Another, more personal battle shapes up as the two best league players face each other, Anson and Golden. Also the rebounding of Tyler will be challenged (but not too much) by Guilliland. A game with Redlands a week from Saturday winds up the casaba season for '53.

—Pomona.

Attendance bad

Perhaps a reason for the bad showing was the lousy attendance. One would think that a Tech team which has done one of the best jobs in quite a few years would be very popular with the fans. Apparently there are very few Tech supporters in this school.

All-Conference

With only a few league games left, it is about time for the

(Continued on Page 8)

Peekin' In

by Patraw

It is possible for a basketball team to look good while losing and it is also possible for a team to look poor while winning. Two examples of this were seen last week. One of the best games I have seen was the P. Naz one last Tuesday. It was a big scoring spree, with first one team and then another getting hot. The final score was a new total point record, being 108-89. The league game last Saturday was a poor one from anybody's standpoint. Luckily we were playing an admittedly poor team



Interhouse Sports

Throop cops I.H. track Fleming closes on Dabney

by Benji

Throop Club breezed by all comers in the Interhouse Track meet held last Saturday as its sophomore sensation Don Taylor took individual honors. Fleming held on gamely but couldn't overtake the front-runners; Ricketts, Dabney, and Blacker were also-rans.

Taylor Wins

All Taylor did was to win three events, set two new records, and run a leg of Throop's second-place relay team. The off-campus flash was clocked in 9.8 seconds and 14.14 seconds, respectively, in breaking the high and low hurdle standards. Sharing individual honors with Taylor were double winner Gene Kaiser of Throop, record breakers Ernie Ophuls and Red Supple of Fleming, and Jim Lloyd of Throop in the pole vault.

Fleming gains

Main benefactor of the meet's outcome inasmuch as Interhouse Trophy standing is concerned was Fleming, who picked up 10 points on pace-setting Dabney and edged into second place ahead of Blacker. Next Interhouse event is the Swim Meet on March 5, with trials on March 3.

100: 1—J. Lloyd (T), 2—Lewis (R),

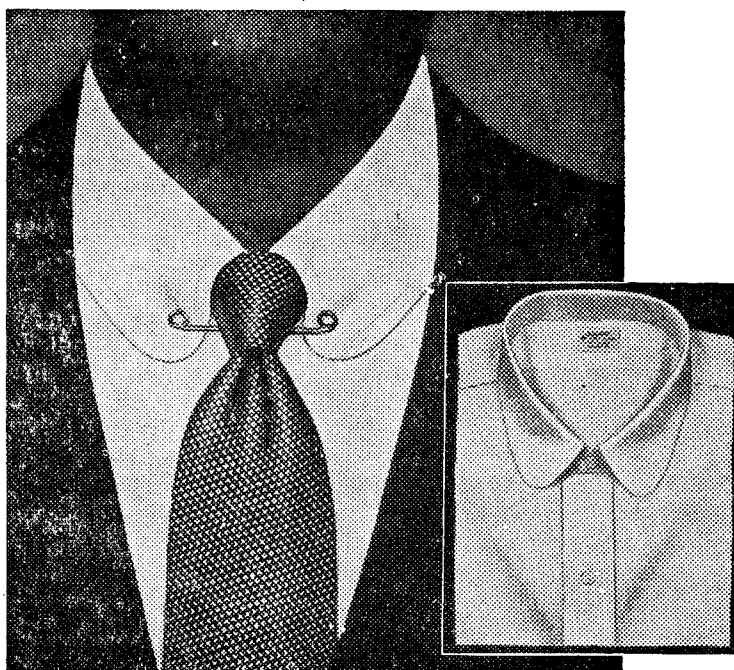
3—Walker (R), 4—Weilman (B). 11.2.
220: 1—Weilman (B), 2—Lewis (R), 3—Ophuls (F), 4—Walker (R). 24.1.
330: 1—Ophuls (F), 2—Gutierrez (D), 3—Chapkis (T), 4—Marltes (R). 38.2.
660: 1—Supple (F), 2—Moore (F), 3—Stofel (F), 4—Chapkis (T). 1:30.3.
1320: 1—B. Kaiser (R), 2—Mandi (D), 3—Koster, 4—Brady (B). 3:41.5.
High hurdles: 1—Taylor (T), 2—Campbell (F), 3—Decker (D), 4—Howell (D). 9.7.
Low hurdles: 1—Taylor (T), 2—Buckley (T), 3—Campbell (F), 4—Decker (D). 14.4.
Shot-put: 1—G. Kaiser (T), 2—Evelth (F), 3—Sims (B), 4—Abbot (B) and Pollet (T). 43 ft.
Javelin: 1—Hodges (F), 2—Stranahan (F), 3—Gauss (B), 4—Grieser (F). 163 ft.
Discus: 1—G. Kaiser (T), 2—Sims (B), 3—Vickman (D), 4—Pilant. 108 ft.
Pole vault: 1—Lloyd (T), 2—Decker (D), 3—Lehman (F) and Brannies (T). 11 ft. 1/2 in.
High jump: 1—Ward (F), 2—Buckley (T) and Brannies (T), 4—Autroy (R) and Howell (D). 5 ft. 8 in.
Broad jump: 1—Taylor (T), 2—J. Lloyd (T), 3—Walder (R), 4—Ward (F). 19 ft. 2 in.
Relay: 1—Ricketts, 2—Throop, 3—Dabney, 4—Fleming.
Track results: Throop 25, Fleming 20, Ricketts 15, Dabney 10, and Blacker 5.

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VOTE FOR ME . . .

(Continued from Page 7)

tions Committee. Therefore, he must be a person whom you will want to represent you for an entire year and in whose judgment you can place faith. He also has the duties of managing the student car repair lot, preparing the weekly school calendar, and handling the purchasing of certain items for the ASCIT. Hence, you want a man who is a good representative, a leader, and a worker.

For the first term I was Vice-President of the freshman class. One of my primary duties in this capacity was to run the pre-Pajamarino activities. I ask you to remember how smoothly and successfully that worked out for all of us.

I want this job. I think that I can handle it. If you think that I am the man for it, vote for Fritz Trapnell for Second Representative.

—F. M. Trapnell, Jr.

For several years the world has looked to Caltech's student body as a source of scientific talent. In the last three weeks, Southern California has begun to look to us as a stockpile of future aeronautical engineers. Now, once again, it is time for the student body itself to examine its individual members and choose the deserving ones for ASCIT officers. All too often, the excitement of a good presidential contest (and this year's promises to be exceptionally good) can eclipse the races for the "lesser" offices. It is very important, however, for us to examine the qualifications of each candidate for every office. Therefore, I shall try to set forth my qualifications for the office of Second Rep.

Since entering the Institute in September, I have engaged in a large number of student activities, including the following: secretary of the freshman class, secretary-treasurer of the Freshman Luncheon Club, section leader of Section G1 and later of Section A1, member of the band and orchestra, solicitor for the YMCA drive and the United Charities Fund Drive, and Students' Day exhibitor. In Dabney House I have participated actively in preparation for the Pajamarino bonfire and the Interhouse Dance and have taken part in many other functions.

For these reasons, I feel qualified to perform the duties of ASCIT Second Representative at Large. In the past, you, the engineer and the scientist, have chosen capable men for your officers. I sincerely hope that my record meets your specifications and that you will see fit to elect me your next Second Rep.

—Bill Purves

While considering the presentation of my name for the office of Second Representative I wondered if I met the qualifications for this position. You see the Second Rep is the sole spokesman for the frosh and soph classes on the Board of Directors. He also serves on the Honor Point Committee and Student-Faculty Relations Committee, and is in charge of the student car repair lot. These duties are familiar to me since I served in similar capacities in high school.

Although I have served as frosh athletic manager and have

been a member of the football and basketball teams, I will never be too busy to hear your gripes or recommendations.

Please consider Phil Conley for the Second Representative. Remember: He's READY—WILLING—ABLE.

—Phil Conley

Rally Commissioner

The office of Rally Commissioner holds a good deal of opportunity for an interested candidate. I am interested. Along with the desire to serve as your Rally Commissioner, I also feel that I am qualified for the job.

Throughout my school years, I have engaged in the performance and presentation of almost every type of musical program. Also, as a professional musician, it has been my job to know what people want, like, and expect. Although the Caltech student body is unique in its intense likes and dislikes, I feel that I could "psych out" your wants.

In high school, I held the office of Student Body President. The functions of this office were very similar to the duties of Rally Commissioner—the selection of future assemblies, the organization of "pep" rallies, the introduction of guest speakers and programs.

I would sincerely like to arouse the interest of the student body in its assembly program. If elected, I will strive to do this, all the while being alert to the desires of the Caltech student body.

—Ted Johnson

My name is Barry Raleigh and I am a candidate for the office of Rally Commissioner. I had high school experience in the offices of class president and representative to the Board of Control. Here at Tech, I was first term treasurer and played frosh football.

Now, that all that stuff about qualifications is out of the way, I'd like to say that I want the job of Rally Commissioner. I will take the time to honestly try to rig up good assemblies; ones that you will enjoy. I believe that I can do it. Thanks!

—Barry Raleigh

Editor of the California Tech

We don't feel that it is necessary to review the numerous qualifications for top-flight editors of the Tech, other than the obvious ones. They must organize and run an efficient staff and accept responsibility for producing about 30 issues, worth the money forked over by the student and the advertiser.

Ideally every newsman dreams that his paper will be read from cover to cover, but we know that 95 percent of you don't do this. In fact, if you did we would suspect that the Tech mind has gotten into an awful rut. We'll be satisfied when we can get everyone to read half of a good weekly.

As a team we hope to manage a paper that will cater to the interests of everyone on campus. Our pitch to you is more humor to relax on in the Tech. We also stand for bigger and hotter rivets. Our line to

ourselves and the present staff is to build up a super staff which puts out a first-class paper with a minimum of effort on everyone's part, especially ours.

Jim Crosby
John Wall

Co-Business Mgrs. of Big T

Probably one of the most important but least recognized offices on the campus is the Business Manager of the Big T. The importance of this job cannot be overemphasized, for of the many things that you will have upon leaving Tech will be your annual. This is an item that one wishes well done, for it is something that will be treasured throughout your life.

We feel that we have the necessary qualifications in experience, personality, and perseverance to produce the '54 Big T of superior quality with lowest cost to you. Our goal is to produce an annual similar in quality to the '48 Big T with costs acceptable to everyone. Besides selling ads for this year's annual, we have worked closely with the '53 Big T Business Manager and learned the ins and outs of the job. After recognizing the immensity of the office we decided that this job could be filled adequately only if two men ran as co-candidates. Therefore we offer our services as a team with the hope that we will be able to help produce a bigger and better Big T for '54.

Don Barnes
Ross Riggs

Our words are few and plain. Our ideas are straightforward. We are running for the office of Business Manager of the Big "T." We are doing so first, because we want the job, and second, because we think we can do the job. The job of business manager takes a lot of hard work and we're willing to work. It takes a lot of time, and we'll give it all of the time it requires. We intend to take the job very seriously and our best

to put the Big "T" in as good a financial solution as possible if we were elected.

Walt Haeng
Bill Kelly

Big T Editor

This article is a plea, not for your votes alone, but for your aid and assistance, whether directly as an acting member of the Big T staff or indirectly as an organizing officer of one of the several clubs on campus that is to be photographed during the year. The more help and cooperation the Big T Editor receives, the better the annual he is able to produce. I hope that with my experience on the 1953 Big T and my desire to make the 1954 annual the best ever, I will be able to express my appreciation to you for your cooperation and confidence.

—Rodney Supple

Business Manager of the California Tech

The position of business manager of the California Tech requires a student with experience and a man who will work hard. In his hands lies full responsibility for making the Tech a solvent organization. Good layout of the paper and composition of the ads is important to you because it not only presents worthwhile information in an attractive paper, but also keeps the all-important advertisers happy.

I have had two years' experience as business manager of a high school weekly, and have worked for the California Tech journalistically and with the present business manager. I also pledge my conscientious efforts toward fulfilling the position on the Tech.

—Jim Lewis

Yell Leader

An aspirant for the position of Head Yell Leader must have certain definite qualities and capabilities. The first and foremost is the ability to yell. Now when I say a yell, I mean a yell

PEEKIN' IN

(Continued from Page 7)

fans and coaches to start speculating on the mythical all-conference squad. Here are my selections, based on personal observations and others' recommendations:

First team forwards—Johncox (W), Davis (R); center—Anson (T); guards—Golden (O), Smith (P). Second team forwards—Tyler (T), Guilliland (O); center—Turner (W); guards—Hartman (W), Pitman (R).

—not a wheezy old grunt. Yelling takes certain physical qualities plus much practice. I fill the bill on both these counts as the following will show. A casual glance at me reveals a large oral cavity; listening to me for any length of time shows that stentorian roars are capable of issuing from it. Daily practice is obtained at the expense of my long-suffering roommate. There remain but two more qualifications to fill. Yell Leading is a crazy job; IT TAKES A CRAZY MAN FOR A CRAZY JOB. (Need I say more.) The final qualification of a yell Leader is his spirit and vitality. These qualities are best developed following a maxim of sleep. As a good Yell Leader is active at night, he must sleep during the day. For those of you who have any doubt of my ability in this line, see the aforementioned long long-suffering room mate.

Seriously now, spirit in the student body of a school and means a lot; so much of the responsibility for its rests with the Yell Leader. I'd like to be the one to push the development of this spirit—I feel strongly that I will be able to do it!

—Mike Szold

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