

Ricketts retains Sing Trophy

Air Force announces that AFROTC will remain here

Caltech will continue its Air Force ROTC program. The announcement was made after Dr. DuBridge was notified by telegram on February 2 that the Secretary of the Air Force has decided not to proceed with plans announced last December to disestablish AFROTC units at approximately 20 colleges and universities.

The telegram, signed by the Air Force Director of Personnel Procurement and Training, stated that: "In trying to economize through disestablishment, it became apparent that patriotic interest and enthusiastic support for the AFROTC in the majority of the institutions affected outweighed the potential dollar and manpower savings involved."

More than half of these institutions, the telegram said, have presented much brighter production potential, largely because of increased enrollment trends. "Therefore," it continued, "the Secretary of the Air Force has decided not to disestablish the AFROTC unit at any institution desiring to remain in the program."

ICC Dance to be next Friday night

Friday, February 24, is the date set for this year's ICC Dance, the ASCIT board of directors announced recently. The dance, sponsored by the Inter-College Council, will be held in the Pasadena Civic Auditorium and will feature Les Brown's "Band of Renown."

Tickets may be obtained from any BOD member or house social chairman.

Bill Perkins, Caltech '45, voted new tenor sax star of 1955 by Downbeat magazine

By Frank Kofsky
Every so often one hears of a heartwarming success story that gives one renewed faith and confidence to face the trials which lie ahead. Such is the case with William R. Perkins, who succeeded against the biggest obstacle of all . . . four years at Caltech.

Bill Perkins graduated from the Institute in 1945 with a BS degree in Electrical Engineering, and like so many other alumni, he seemingly vanished into obscurity. Then, in 1955, Bill was voted the New Tenor Sax Star by the editors of *Downbeat* magazine, a remarkable achievement for a one-time electrical engineer.

It was Lennie Niehaus, brilliant young altoist who plays alongside of Perkins in Stan Kenton's band, who first told us that Perkins was a Caltech alumnus. Although we were skeptical, both the Alumni Office and Perkins himself confirmed the awful truth—he had indeed graduated from this renowned institution.

"How in the devil does one go from being an engineer to playing tenor with Stan Ken-

Two pacifists to address Y

What is the pacifist's method of solving world problems? Wouldn't it be suicide for the US to unilaterally disarm at the present time? Two pacifists, A. J. Muste, secretary emeritus of the National Fellowship of Reconciliation, and Wilson Riles, secretary of the local chapter, will attempt to answer these and other questions at the Y meeting this Monday evening, 7:30 p.m. in the Y lounge.

Coming from Holland as an immigrant early in his life, 70 year old Muste has led a colorful life as a labor leader, theological figure, and as *Time* magazine put it, "The nation's number one pacifist." Besides being active in the American Civil Liberties Union in its early days, Muste was instrumental in setting up the Fellowship of Reconciliation, a non-secular international fellowship of men and women who "recognize the unity of the world wide human family and wish to explore the possibilities of love for discovering truth, dispelling antagonism, and reconciling peoples, despite all differences in a friendly society."

Y lunch clubs slate Dr. Elliot, Doak Barnett

The YMCA lunch club program for next week will have as its speakers Dr. David Elliot and Doak Barnett. Next week's speaker for the frosh lunch club will be a lay clergyman from Oxy who will speak on "Sex and Christianity." Next Tuesday Dr. Elliot will speak for the undergraduate lunch club; the topic has not yet been announced. Doak Barnett, the AUFS representative from China and the uate faculty lunch club on the far east, will speak to the grad-subject, "Political and Social Controls in Communist China." Mr. Barnett has been stationed in Hong Kong and has traveled all over Southeast Asia. He will make many other appearances on campus next week.

AUFS member will discuss Communist plans for China

A. Doak Barnett, American Universities Field Staff member and expert on the affairs of the Far East and Southeast Asia, will arrive next week as a guest on the Caltech campus. He will speak to the Y undergraduate lunch club Tuesday noon, to the History 5 class Wednesday morning and to a number of informal groups on the campus.

During 1948-49 Barnett was in Peking when the Communists sieged and took over that city and he lived under Chinese Communist rule for about eight

Fretwell directs 'Holy City,' contest song; Dabney second

Ricketts House again defeated all competition in the third annual Interhouse Sing Monday night in Scott Brown Gymnasium, under the direction of Lyman Fretwell.

Ricketts offered "The Holy City" in addition to the contest number "Rock-a My Soul," and scored 286 points of a possible 300. Dabney was second with 262. Fleming had 253 and Blacker 249.

Flu shots offered at Health Center

Free flu shots are again available at the Caltech Health Center. Dr. Richard Webb, Director of Health Services, reports that the shots will protect anyone against the flu for the remainder of the school year. The shots are available at the Health Center from nine to twelve in the morning and from one to five in the afternoon.

The contest was judged on the basis of appearance, tone intonation, interpretation, balance, enunciation, and control.

The program was opened by introduction of the judges, who were Professor Fleury, Shirley Nute, and Leland Green. Blacker House, directed by Bill Dietrich, then presented its individual number, the "Marching Song" from the "Student Prince" by Sigmund Romberg, followed by "Rock-a My Soul." Fleming, under the direction of Louis Soux, then sang the contest song and "Cool Water."

Ricketts sang "Rock-a My Soul" and the "Holy City," and Dabney concluded the contest with "Summertime," from "Porgy and Bess" by George Gershwin, and the contest number, directed by Alan Forsythe.

The Caltech Glee Club, directed by Olaf Frodsham, sang two selections. "Salvation Belongeth to Our God" and "Amo, Amas, I Love a Lass."

Dr. Lee DuBridge, president of the Institute, announced the judges' decision, which was followed by a rousing cheer from Ricketts and general applause.

Frodsham directed the combined houses in the Alma Mater to conclude the evening.

Sage to speak at this week's Friday lecture

"A Demonstration of Critical Phenomena" is the title of this week's Friday Evening Demonstration Lecture at Caltech. The lecture will be given by Dr. Bruce H. Sage, professor of chemical engineering, at 7:30 p.m. in 201 Bridge.

Dr. Sage will show the continuous transition of a liquid into a gas without a change in phase, such processes being of great importance in petroleum production and refining.

Dr. Sage has been a member of the Caltech faculty since 1934. His primary research interest has been the properties of hydrocarbons at high pressures, particularly as applied to petroleum production problems. The American Chemical Society presented him with the Precision Scientific Company Award in petroleum chemistry in 1949, in recognition of his contributions in this field. He was also awarded the U.S. Medal for Merit in 1948 for his work as key investigator and supervisor of the propellant and interior ballistics section of the Caltech rocket project.

The general public is invited to attend the lecture.

Houses schedule social programs

Two snow-parties, two exchanges, a barn dance, a picnic and a basketball game with LA State are social events for Caltech's undergrads this weekend.

Blacker and Dabney are having snow-parties, Blacker's starting Friday afternoon and Dabney's Saturday morning. Both parties will last till Sunday evening. Following the LA State-Caltech basketball game Friday night, Fleming is holding an after-game dance to which members of the four houses and Throop Club are invited. Ricketts is having an exchange with Pomona College Friday night. Ricketts and Fleming are jointly holding a barn-dance in Sunland Saturday night.

Throop Club will have an exchange Saturday night and will have a picnic at Whitover Sunday.



Tenorman Bill Perkins (Photo by William Claxton)

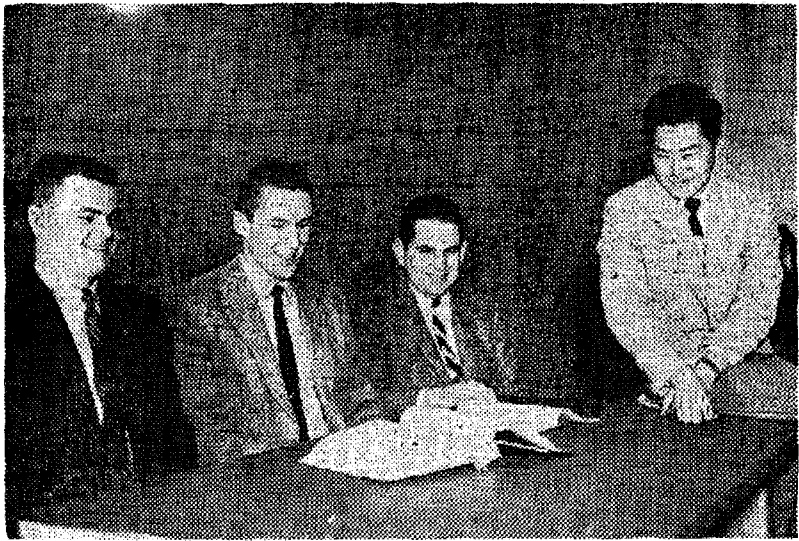
the Perkins have a year and one-half old girl, Kim Elizabeth.

Still desiring more education, Bill entered Westlake Modern Music College for a two-year period. A talk with Bill's past instructors at Westlake revealed that his grades were all A's and B's, and that he practiced consistently before and after class.

Bill's course of study at Westlake terminated in March of 1951, and he hadn't been out of school a month when he received an offer to blow tenor with Woody Herman's Third Herd. He promptly accepted, and spent the next four years as a Herman sideman, adding immeasurably to his experience.

In the spring of 1955, Bill left the Third Herd to become a part of the new group which Stan Kenton was forming. Since he has been with Kenton, Bill has received many comments of a favorable nature from music critics all over the country, as is apparent from his excellent showing in *Downbeat*.

In addition to the many records on the Capitol and the now defunct Mars label made while with Herman, Bill has recorded (Continued on page 10)



Presidential candidates Craig Elliott and Jim Workman, and Vice-presidential candidates Rube Moulton and Warren Furumoto.

Elliott and Workman will run for ASCIT president

Jim Workman

Why do you vote in ASCIT elections? It is because you have some interest in what ASCIT does. When you vote to select your ASCIT president you are selecting your representative to the world at large, a man who plays a large part in the formation of the public opinion of Caltech. You are also selecting the man who sets the pace for the members of the Board of Directors, the man who determines how efficiently the Board will conduct its business. Since the President exerts this influence on the men around him you must choose a man who commands your respect and in whom you can place your confidence.

The president is a member of the Board of Directors, Board of Control, Athletic Council, Inter-College Council, Student-Faculty Relations Committee, and the Alumni Association Board. Although he has no vote on the Board of Directors or the Alumni Association Board, it is very important that he express student opinion there. Through my participation in several campus activities, I believe that I have become aware of general student opinion. As ASCIT athletic manager I have had experience as a regularly-attending member of the Athletic Council, ICC, the Student-Faculty Relations Committee, and the Board of Directors.

I became a candidate for the office of ASCIT president because I have done more than meet just the qualifications.

Recently I have become concerned over the lack of communication between the BOD and the students and over the resulting lack of interest in ASCIT government. Throughout my career at Caltech I have expressed interest in almost all phases of Caltech activity and have demonstrated it by accepting the responsibilities of having some part in planning these activities.

It is for these reasons that I believe you can't go wrong by electing Jim Workman ASCIT president Thursday, February 23.

Craig T. Elliott

We of ASCIT are fortunate to be free from faculty supervision of extracurricular activities. But this freedom presents us with the responsibility of self-government. Unfortunately not all of us can attend meetings of the Inter-College Council, the Student-Faculty Relations Committee, the BOD, the BOC, or the Alumni Board. We therefore elect representatives who must accurately represent us and our wants in order that this self-government be responsive and productive.

I have been on the BOD and BOC for a year each, the Student-Faculty Relations Committee for two years, commander of the AFROTC drill team for a year, vice-president of my class, active in house activities, and a participant in athletics. I have also been active in off-campus activities such as ICC and the Beaver high school program. Having participated in these activities, I feel I know what you want from your ASCIT.

Student morale is of vital importance to me. High morale is attained through high student interest and participation in athletic, social, and intellectual. Participation in athletics is given added incentive by a liberal system of awards which I would like to see continued. The first Caltech homecoming, held last fall, was a high point of student participation. I will see to it

election schedule

9 Feb—nominations assembly
19 Feb—posters go up
20-21 Feb—election speeches
23 Feb—elections
27 Feb—run-off elections

California Tech

Editors in Chief

Dick Hundley

Marty Tangora

Business Manager

Dan Chilton

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that homecoming is made an annual affair, and that the student body has a hand in the selection of the queen.

The attendance at assemblies the past year, the interest evidenced in the visits of the Leaders of America, the participation in the Model UN, the Debate Club and similar groups, indicate high student interest for more cultural activities. I would push for one big assembly each term presenting a more varied program than in the past. I would like to see more interest generated in the Leaders program. I want Farrago continued.

I want to work for you, but before I can do these things, I need your help. Your support would be greatly appreciated.

Veep candidates pledge to uphold Tech honor system

Warren Furumoto

Man is a gregarious and rational animal. He was wont by nature to live in societies and has felt the need for a code of ethics in order to establish a harmonious and cooperating society. Because of the motive of self-gratification or self-preservation, he desires to have an honor system, in which truth, trust, and stability would replace fear, suspicion and insecurity.

Caltech is a society, which claims people with a high degree of rationality, and therefore has established its code of ethics, the honor system. The honor system is not a tradition; it is an existing fact. Moreover, it has to continue existing if this society wishes to continue its quest for truth with freedom from suspicion. This can be achieved only through constant vigilance and awareness on the part of each individual. Awareness must stem from knowledge—knowledge of the extent of the honor system. It is the responsibility of the vice-president to inform the individual through articles, pamphlets, but most effectively through scheduled bull-sessions.

Man, however, is not perfect and is liable to violate his code of ethics. Yet, society should not punish, but should adjust the individual. This is justice. In this sense, justice can be maintained only if those dealing justice, particularly the vice-president, are aware of the needs and problems of the individual.

It is with this idea in mind,

Rube Moulton

The Honor System is one of Caltech's greatest attributes, and a tribute to the integrity and maturity of its students. Your ASCIT vice-president is the chairman of the Board of Control, and consequently has a great influence on its policies. He must, therefore, have as his foremost goal the preservation of the Honor System. If the vice-president hopes to guide the BOC in its deliberations, he must be familiar with typical board problems and procedure as well as the Honor System's traditions. In my two years on the BOC, I learned that past experience on, and a desire to gain a greater understanding of, the Board are the only factors which can give the vice-president the judgment necessary for his job.

Your vice-president is also a representative on the Board of Directors, and thus must have an understanding of a variety of student views. My activities as house social veep, varsity soccer manager, Y publicity chairman, campus guide director, and in debate, glee club, publications, and Beavers, have broadened my outlook in this respect considerably.

My platform is simply to put both my knowledge and experience, together with a desire to maintain our way of life, to work for you in ASCIT. I would greatly appreciate your vote.

that I decided to run for the office of ASCIT vice-president, that individual awareness and justice can be upheld.

Most likely to succeed— in more ways than one

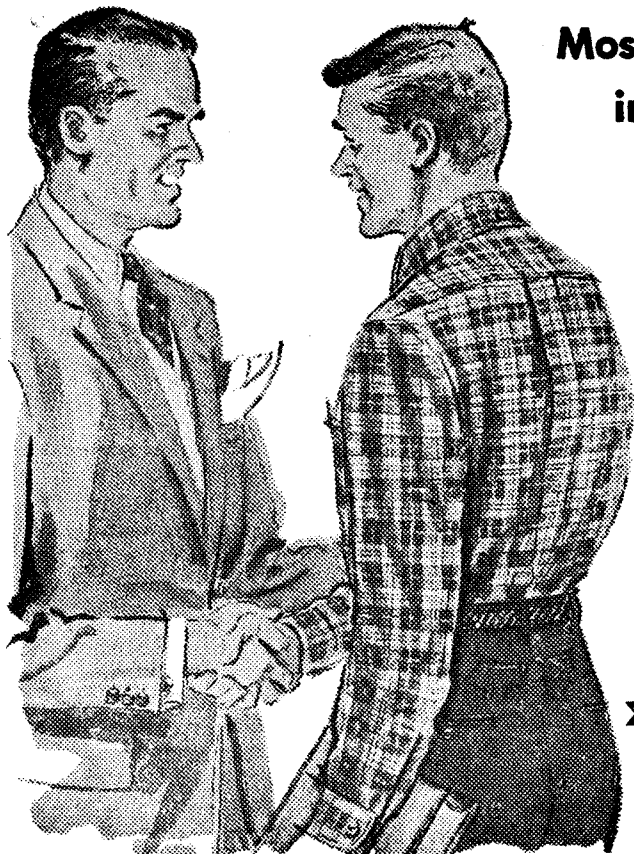
He rates a hand from his prof, not only for sinking the most buckets, but also for knowing how to pick his clothes. This Arrow University button-down shirt is beautifully tailored gingham in an authentic tartan, \$5.95—also available in oxford cloth (choice of nine colors), \$5.00.

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First rep candidates pledge more, better social activities

Dave Leeson

Relations with the faculty are awkward, public opinion of the student body is poor, and morale is not especially high. What has this to do with the first representative? The job of first rep is more than that of a social chairman. His responsibilities are in four areas—ASCIT government, student-faculty relations, public relations, and social programming. As first representative I would actively help improve faculty relations and change public opinion, and thereby raise student morale.

The social program is an important factor of school morale. A good social calendar raises Tech's standing among other schools. The spirit that now seems lacking would be brought out by more and better-planned ASCIT-sponsored activities. As first rep I would initiate more post-game activities and some sort of student-faculty event.

I have had experience as sophomore class president, California Tech circulation manager, member of the Student-Faculty Relations Committee, and representative to the World University Service inter-campus advisory group, and as an active participant in the planning and organizing of many house and other functions. Having lived in the Southern California area most of my life, I have extensive contacts with the public and on all of the major local campuses. I have both the time and the interest to give you a conscientious job in social planning, BOD, Inter-Collegiate Council, and student-faculty relations. I believe I am well qualified for the position of first representative, and I know I can handle the job in its entirety—this is why I am asking for your vote.

Dick Stark

Social development at Tech, by the very nature of our school, does not come as easily or as readily as at many other colleges, but is something for which each individual must strive. ASCIT social events are one means by which the student body as a group can aid the student body as individuals in achieving this important goal of college life.

Since the student house system is better suited to provide many of the forms of social activity, ASCIT functions should always supplement, rather than compete with, house social programs. This means that a school event should provide something which, because of magnitude or economics, is beyond the scope of a single house. There really is not much reason for having a second- or third-rate band play for an informal dance in Dabney Hall. But replace this band with one which is well-known and highly regarded and you have a very valid excuse for an all-school dance.

Closely allied with the above is another problem which should be of concern to all members of the student body—that of community prestige, especially among nearby colleges. Here again an impressive student body event can do a great deal to bolster our reputation.

Providing opportunities for the development of a well-rounded social life is something I believe in very strongly, and consequently something I have willingly worked for—both as Dancing Class manager and in my house social program. Now I sincerely desire to serve the student body in this respect as first representative. If you agree with the principles I have stated, I certainly can use and will appreciate your support.

Hunter, Nierlich promise efficient financial policy

Russ Hunter

As your candidate for ASCIT treasurer I would bring to the office a sincere interest in the job and in doing it well. Also I would try to make felt on the Board a long standing satisfaction with this school. I hope this spirit on the ASCIT Board will begin to diffuse through the student body and begin to encourage healthy criticism through legitimate channels with the criticizer ultimately taking on some of the responsibilities his suggestions create.

A background of haggling with printers serving ASCIT through **Pendulum** and **Farrago** and experience as middleman between you and the ice cream industry will bring to office an understanding of money and those after it. This experience has developed an interest in sound conservative business practices I would use to handle your \$11,500.00.

I offer a program of standardizing ASCIT publication business manager practices. I see in my mind's eye a business manager's handbook to serve as a supplement to the present practice of working with the previous business manager. In the past the bookkeeping on a couple of the publications has been quite informal. The year-end audit found a CPA from the administration forced to make sense of books with conspicuous holes. We might avoid this and get more value from your yearly \$20.50 with a more formal bookkeeping routine.

The treasurer should be a conservative penny-pincher. The treasurer should be an adult, part of the community, with a social awareness to guide his

Don Nierlich

The office of ASCIT treasurer presents one of the greatest opportunities for service of any of the BOD offices. To be just a bookkeeper is not a sufficient recommendation for the office of treasurer. While this aspect of the job is certainly not unimportant, to a person who is really familiar with business practices and the finances of the ASCIT, the job affords the additional opportunity to serve as a financial advisor.

To make each ASCIT dollar more effective, the treasurer must have real insight into the needs and desires of the student body, so that his recommendations on the budgeting of ASCIT funds are in line with the interests of the majority of the students.

I am well prepared for the position of ASCIT treasurer. As editor of the **Big T**, I have been in contact with all of the campus organizations and the Institute, which serves as auditor for the ASCIT. Since the **Big T** is one of ASCIT's largest expenditures, \$6,000 annually, I have the experience of working with a large budget and I have some knowledge of ASCIT spending. Besides this, participation in such activities as the Glee Club and the Y have given me a chance to really know the Techman.

I have enjoyed working as editor of the **Big T**, and I hope that you would like for me to serve you as your ASCIT treasurer during the next year.

vote. This is an ideal I'll live by to the best of my ability urged on by my sincere interest in the job and ASCIT.

Bloomberg, Converse, Krehbiel discuss prerequisites for job of athletic manager

Edward Krehbiel

In a few days you will be called upon to elect an athletic manager. He represents you on the Board of Directors, the Student-Faculty Relations Committee, the Inter-College Council, and the Athletic Council. He must be acquainted with the school's athletic program. He must be on good terms with the athletic office and the student body. He must have some experience in intercollegiate athletics.

I sincerely believe that I have the desire and that I will work hard to see that you have the best athletic program possible. I have been out for intercollegiate sports for four and a half terms now. This year I was sophomore athletic manager.

What's more important is that your athletic manager is your representative. He must be willing to serve you, the student body, as well as possible. He must have the desire to work. He must use good judgment and think wisely in order to serve the school well. I sincerely believe that I am your man and I will prove it if you elect me your athletic manager.

Glenn Converse

One important office to be filled in the approaching ASCIT elections is that of athletic manager. His main duty is to coordinate the student activities between the athletic department and 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 fall sports banquet and the spring awards assembly. He also confers awards to those athletes deserving them.

The office demands a willingness to devote the necessary

time to doing a good job. I know I can find the time and I'm not afraid of doing some hard work. I sincerely desire the job and will promise to carry out my duties ably and to the best interests of the school and you. Having actively participated in soccer and basketball, I feel I have gained some knowledge of the organization of Tech's athletic activities and of the problems an athletic manager faces. I want to be your representative in ASCIT. If you have the confidence that I can capably fulfill my obligations to the school and to you, I assure you I will not let you down.

Howard Bloomberg

Athletic and general student interest, interwoven together, are, I feel, the broad qualifications for your athletic manager.

He must have an enthusiasm in sports so as to faithfully deal with his regular athletic duties. These, in brief, are: preparing a fall awards banquet and a spring awards dinner; distributing all student awards and caring for

the intermediate steps in that process; representing the students on the athletic council.

In 2½ years at Tech, I have participated actively in athletics, both interhouse and intercollegiate. In conference sports I've played and lettered in basketball and baseball.

The athletic manager is a regularly attending member of the Intercollegiate Council, a member of the Student-Faculty Relations Committee, and most important, a member of the Board of Directors.

I feel that my activities which include service in athletics, on the rally commission, as head guide on Students' Day, as sophomore vice-president, and as present junior class president (which includes membership in the Student-Faculty Relations Committee) help indicate my real interest in the student body at Caltech.

I hope that this small letter plus the oncoming campaign may convince you that Howard Bloomberg should be ASCIT's next athletic manager.

Secretarial candidates stress representation, faculty relations

Gene Cordes

It is important to realize that your ASCIT secretary not only must handle the secretarial duties of his job, but also must represent you on the BOD, the Student-Faculty Relations Committee, as well as the Board of Control.

I think my participation in athletics, journalism, debate, and house and class politics demonstrates my enthusiasm and interest in ASCIT activities. Furthermore, my wide secretarial experience qualifies me in this respect.

More important, however, is the fact that I have been Tech's representative at all National Student Association meetings; NSA is an organization created expressly for the purpose of defining and solving student problems. As a result of my close association with the campus leaders of many West Coast universities I have gained insight and information which would be invaluable to the Student-Faculty Relations Committee as well as of much importance to the Board of Directors and Board of Control. I sincerely believe that informed student opinion on the Board of Directors is indispensable for the growth and well-being of the undergraduate student body. My candidacy is the result of my desire to serve the student body with special emphasis on Student-Faculty relations.

Herb Rauch

I am a candidate for ASCIT secretary because I sincerely desire to serve the student body in this office. An active participation in campus affairs for almost three years has broadened my experience and increased my enthusiasm so that I feel capable of assuming the responsibilities of secretary.

Your secretary is a voting member of BOD. My term as House treasurer has shown willingness to interpret student opinion and act on it. Taking charge of the Instituters, the Blood Drive, and now the Charities Drive in my house has demonstrated I can carry the job through to completion.

Your secretary has the more exacting job of communicating the decisions of the BOD to you through "readable" accounts. Serving as secretary of the drama club and forensics squad plus writing regularly for the paper should prove that "knack" of journalism needed for good writing. Through circulating the public actions of the Board of Control I would like to help revitalize our valuable honor system.

But my best qualification I hope to have already made you aware of in our contacts in the classroom, on the athletic field, and in campus activities—my enthusiasm in doing a job well. If you believe these are the attributes you want in an ASCIT secretary, I would appreciate your support.

Vincent Taylor

There are over twenty men seeking an ASCIT Board seat this year. Those elected will represent you on the Board of Directors, the Student-Faculty Relations Committee, and the Board of Control. Every man running is capable of fulfilling the listed duties of his office. It is up to you to consider the man, to consider the duties, and then decide if he will fulfill them.

This should be one criterion of your choice. There is another: How does he think? This man represents you—your ideas, your ideals. There are a hundred decisions he must make on the Board, and in fulfilling the rtse of his job. Yet any man is going to act in accordance with his own judgment. Thus you must pick the man whose attitudes and actions most nearly coincide with your own, the man who thinks as you do. But it is not enough that the man is able to think; he must put this thought behind every decision he makes.

All this means that the right choice is different for different people. In every office vote for the candidate who is the right choice for you.

During the campaign I will try to let you see how I think, my attitudes, and my actions. I sincerely hope that I, as candidate for ASCIT Secretary, am the right choice for you.

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Kirk gives plans, experience in bid for publicity manager

Dick Kirk

At first glance the duties of the ASCIT Publicity Manager may seem to be something less than taxing. It is true that one of his jobs is to coordinate student body publicity with the news bureau, okay bulletins, etc. and that these are rather simple tasks that anyone can do well.

But the Publicity Manager must sit on the Board of Directors and guide ASCIT affairs, and is a member of the Student Faculty Relations Committee. To be an active member of these bodies, he must have contact with extracurricular activities and be able to voice his own views to these groups.

The third and most challenging function of the Publicity Manager is to publicize Tech in

the "outside world." Caltech is known throughout the world for its scientific achievements, yet the other facets of life at Tech are not only not well known, they are distorted. At Tech we have two unique programs, The Interhouse and the Leaders of America program. I hope to bring these activities to more widespread notice.

I believe that my experience as frosh class president, news editor of the *California Tech* (through which I have gained experience working with the news bureau), assistant editor of the *Big T*, Board of Control member, Beaver and house treasurer will help me fulfill these duties.

I will appreciate your support next Thursday.

Bonwell, Lange and McClure advance qualifications for rally commissioner

Chuck Bonwell

In a few days you will choose nine of your classmates to run your student government for the coming year. Great care should be taken in making your choices in order that you will receive the best representation possible.

One of these offices is that of the rally commissioner. The person you elect to this office must have a sincere interest in the students. He must have enthusiasm. If he has these two qualifications, he can bring you the assemblies that you want to see. The rally commissioner must also have executive abilities in order that he might fulfill his obligations as a member of the Board of Directors.

I feel that I have the fire and enthusiasm that is needed to bring you a good assembly program. I propose to have a diversified and well balanced schedule, and will try to avoid having assemblies of only one type.

I believe I also have the executive abilities that are needed. As president of my high school senior class and now as a member of my house executive committee, I have learned to deal with people and to make decisions.

If elected, I shall give you the best representation possible.

Working as a team, the two of us can spend plenty of time on the job, without getting into a bind; where a single person might be forced to neglect the job because of poor planning or GPA trouble. Most important of all we both have the spirit and drive necessary to do a good, honest and complete job for the *Big T* and the student body.

Campaign statements of candidates for Big T editor and business manager of the California Tech will be found on page 10.

Bob Lange

The job of rally commissioner is a varied and important one. It takes a person with the seriousness necessary for effective board action and the spirit and drive needed to produce live and entertaining assemblies. Since the budget is limited, it also requires imagination and originality to organize entertainment that you will really enjoy.

Although experience isn't the most important factor to consider, it will surely help your rally commissioner. I have had varied experience with music, having played in several orchestras and bands. I now sing in the glee club. My appreciation and respect for all types of music will help me stay abreast of the student body opinion.

Your rally commissioner will have to be able to choose and lead a wide awake commission. I have had experience of this type through offices held in various high school organizations.

The Oxy rally is an important part of our fall spirit. This year saw our first homecoming. This is an example of the success and originality that can come from a spirited commissioner.

I would like the opportunity to keep this office alive and functioning well. I hope you will give me your support.

Bill McClure

The office of rally commissioner carries a great responsibility. The man you elect will probably give three assemblies during his term of office, taking care of homecoming, and organize numerous pep rallies. Most of these activities require ASCIT funds, which are entirely within the control of the rally commissioner. Their efficient use, for good assemblies, will be welcomed by all. However, used incorrectly, they leave an apathy in the student body and a red spot in the ASCIT books. I realize this and will keep it in mind.

A good rally commissioner must know enough about music to be able to put on a good assembly; but too, he should cater to the desires of the entire campus. I believe my musical background is satisfactory. In high school I came in contact with many types of music and have organized and run my own dance band during the past two summers.

Another part of the office is to help promote school spirit. This has been done in the past through the use of pep rallies similar to that given during the football season this year. But the office can be used in cooperation with the yell leader and other parties involved to do much more toward the encouragement of pep at CIT, and I plan to do this.

So, when you mark your ballot, vote McClure for rally commissioner.

Qualifications presented for business managers of Big T

Walt Petersen

The 1956 *Big T* budget is \$6200. Approximately half of this amount comes out of the ASCIT's budget of \$11,000; the remaining from ad sales. If the ad sales flop, the ASCIT would take a considerable financial beating. It is the sole responsibility of the *Big T* business manager to see that a sufficient number of ads are found and found on time in order that the annual comes out on schedule. Needless to say this is a responsible position and requires a responsible person.

As one of the two co-business managers for the '56 annual, I am happy to say that present ad sales indicate that we will exceed our budget, accumulate a surplus, and do it on time. This I believe speaks as eloquently for my qualifications as any words I may say. Having done the job this year, I know the ropes, have the contacts, and would like to do the job in '57. I hope you feel the same, as I would like to enlist your support on election day.

Karl Knapp and Kirk Polson

When it comes to campus activities we feel that everyone should take his part. We think that we can be the most help ourselves if we work in a field we are familiar with. We were both very active in high school as officers in student government, as members of various committees, and as members and leaders of school service clubs. Kirk has served on the staff of an annual and a school newspaper. We both have business backgrounds in our homes, and experience in responsible jobs while in high school. Kirk has, among other things, worked as a guide at a hunting lodge, where he was often called upon to run the lodge while the owners were away. Karl worked for an auto dealer for three years and there gained experience in fleet service management, sales work, and bookkeeping.

Two teams competing for editors of California Tech

Tom Dodge and Frank Kofsky

We, the team of Frank Kofsky and Tom Dodge, hope to be your next co-editors of the *California Tech*. In running for this office, we are expressing our very acute interest in this field of work, not simply wishing to get elected because of the prestige or other political factors involved. Indeed, all our abilities and interests lead logically to co-editorship of the *Tech*. Subconsciously, we have both been preparing for the editorship for a long while.

Tom Dodge's preparation began in high school, where he was sports editor of his high school paper. Coming to Tech as a sophomore, he took over the business managership of *Farrago*, as well as writing for that magazine. In the last year, he has been one of the mainstays of the *California Tech* feature staff, studying journalism and print shop work independently. He has also written a *Student Life* article for *Engineering and Science*.

Frank Kofsky has had extensive journalistic experience dating from high school, where he edited all phases and finally served as editor-in-chief of an award-winning paper. He started work on the *Tech* as a reporter in his freshman year and became feature editor a year ago. He has in addition, made contributions to *Farrago* and *Engineering and Science*.

Our best efforts will be devoted to producing a truly representative newspaper . . . we sincerely want to work for Caltech.

Dick Van Kirk and Bob Walsh

The primary purpose of a college newspaper is to keep the student aware of the problems, plans and happenings on campus, and thus coordinate the thinking and activity of the student body.

The front page should be attractive, timely and interesting; the editorial policy of the paper should be pertinent, constructive and persistent; the emphasis in feature writing should be on interest; and the sports page should be dynamic and informative.

As co-editors of the *California Tech*, we intend to carry out the following program:

1. Use varied make-up, action photographs and eye-catching printer's devices to liven the front page.
2. Use fewer banner headlines. We feel that banner headlines should be reserved for stories of special importance and that the consistent use of banners detracts from the appearance of the front page.
3. Restrict editorials to the topics which are of major concern to the student body.
4. Improve the quality of the writing by individual work with the writers.

Our previous work in news, features, sports and editing in high school and on the *California Tech* has given us the necessary experience. We ask for your vote to give our newspaper inspired, far-sighted leadership.

A World of Expanding Opportunity!

Reynolds Metals Company offers the ambitious Engineering graduate a world of opportunity.

Reynolds' operations include extrusion . . . bauxite mining . . . chemical and electrolytic processing . . . sheet rolling . . . foil rolling and printing . . . powder and paste production . . . parts fabrication.

On-the-job training and liberal insurance, hospitalization, and Retirement programs are maintained.

Campus interviews will be held on Monday, February 20, 1956, for Mechanical Engineers for the Phoenix, Arizona, Extrusion Mill, and other locations in which graduates may be interested.

Six candidates vie for position of second rep

Mike Talcott

I believe that the office of second representative carries more responsibility than meets the eye. Besides being pencil sharpener for the Board of Directors and spelling out the school program for the coming week in Lower Throop, there are more important responsibilities.

First, the second rep is the underclassmen's representative on the Board. I feel that the second rep, by supporting more frosh-soph activities, should bring about better relations between the two classes.

Second, I will constantly be on the lookout for helping students. I will continue and expand our present policy of discounts on flowers and records.

But the biggest job of all is hardest to define. There has always been on our campus the attitude toward entering frosh of friendliness and helpfulness. This upperclass attitude, which has been passed down through tradition, can be a God-send to a nervous freshman. It has been my feeling since my first day at Tech that I owe this school and its student body a great debt for the warm attitude it assumed toward me and my fellow classmates.

I will go to student camp as second rep to try to transmit the enthusiasm that I have felt for this school to the entering frosh and I will try to influence the entering class to extend their interests and personalities to non-academic activities.

I hope that I have given you a sample of my dedication to this school. The responsibilities of second rep will give me a chance to put that dedication to work.

Cribbs asks team support

Jim Cribbs

At last week's basketball game, I sat out the game in the stands for the first time since becoming a yell leader, and learned the attitudes of many of the spectators. What I saw and heard at first discouraged me, but now it has determined me.

I overheard comments of visitors, both about the lack of spirit in the stand, and the inability of the cheer-leaders to improve it. These comments point out clearly the deficiencies which contribute so greatly to our team's lack of fight and drive. Now there are many factors besides support from the stands which affect a team's spirit, and it seems we have all of them working against us.

However, I strongly feel that support from the student body, not as a spectator, but as a rooter desirous of a win, is definitely the most important of these factors; and there is no reason why this should work against our teams. The longer our losses continue, the more we should concentrate on giving our teams the fullest support possible.

These are my beliefs; my solution lies in you, the student body. If you vote for me as a yell-leader, then also vote me your attendance as a "yeller." If you are not willing to lend your full support, then let's not even bother with a yell leader because it sure looks like no one else wants the job.

Jim Coe

In running for second representative, I am trying for a job which appeals to me, and for which I am suited, since I held a similar post in high school. I know pretty well what's going on around the school, being on the California Tech news staff, and can use this to the best advantage.

The duties of second rep have been somewhat light, I understand. It is my plan if elected to expand these duties so that I may serve the associated students to a greater extent; and to promote the utmost cooperation between my office and (1) the other offices and (2) the California Tech.

Perhaps the most important aspect of the job is the holder's position on the Board of Directors. This requires a good deal of judgment and common sense. I have these qualities and will use them in the best interest of the students.

The second rep also sits on the Honor Point Committee, along with the vice president and first rep. Here again I feel that I can serve the students in the manner they expect.

Therefore I appreciate all votes cast my way on February 23, and urge all members of the corporation to vote, be it for me or against me.

Russ Pitzer

In spite of his membership on the Board of Directors, the second representative is often looked upon as an errand boy for the Board of Directors. This is not necessarily so. The second representative can lend much to the smooth functioning of ASCIT government. In addition to performing the general duties of the office, the second representative must have the imagination and interest to help guide ASCIT next year.

An ASCIT officer should be well acquainted with the school government and its problems, and should also be active in extracurricular activities. Having been elected section leader and vice-president of the freshman class, I have learned about the school government and have become better acquainted with the faculty. In athletics, I was elected co-captain of the frosh football team and I am now a member of the frosh track team. My academic standing is such that I would not be overly pressed for time from that quarter.

I believe that I have the ability and the desire to well fulfill the duties of the second representative. I hope you agree with me.

Frank Cormia

Activities of Frank Cormia at Caltech: frosh co-work-chairman of house, section leader, Y-member, frosh tennis team, co-work-party-head of house during Interhouse Dance, president of Frosh Lunch Club, and inter-house tennis.

Rather than rehash the duties of second representative, and my qualifications for the office, I would like to spend these two hundred words I have with you telling you why I want the job.

I like Caltech, its students and its way of life, and I would like to be one of those responsible for continuing as well as improving the customs and tra-

ditions I admire so much. I like people, seeing them, talking with them, and learning their points of view. I would like to represent the freshman and sophomore classes on the Board of Directors and being second representative would give me this chance. Lastly, I would like to be "in" on things and want other people to be "in" on them with me. Taking care of the Throop bulletin board and publishing a weekly calendar of events in the California Tech would satisfy this desire.

To those who do not visit me in my room (30 Ricketts), I look forward to seeing you when I give my talks in the Student Houses and Throop Club.

Doug Carmichael

Some three days ago I received a letter from a contemporary freshman friend of mine. He said in part, "MIT is a great school for an aggressive uninhibited student who has the ability to talk to people and formulate intelligent questions." Caltech is similar to MIT. We are not all pros. We have come to Tech to get an education, not to show that we have one.

Do not wave "Candide" in my face. Cynicism and apathy are

ridiculous (and not as much fun) as absolute idealism. The idea is to gain a healthy perspective. I see at Tech students who have learned exceptionally well how to think. But they are content just to know how. Confronted with new situations, they are quick to psych them out but they do not often confront themselves with these situations. It bothers me when I see what is probably the most capable student body in the U.S. not developed to anywhere near its full capacity. Do not say that I have missed the spirit of Tech. I too must grow up.

Perhaps you will say that this has nothing to do with Carmichael for second rep. If what I have been talking about is not our concern then I am the wrong man for the office. Tu quoque.

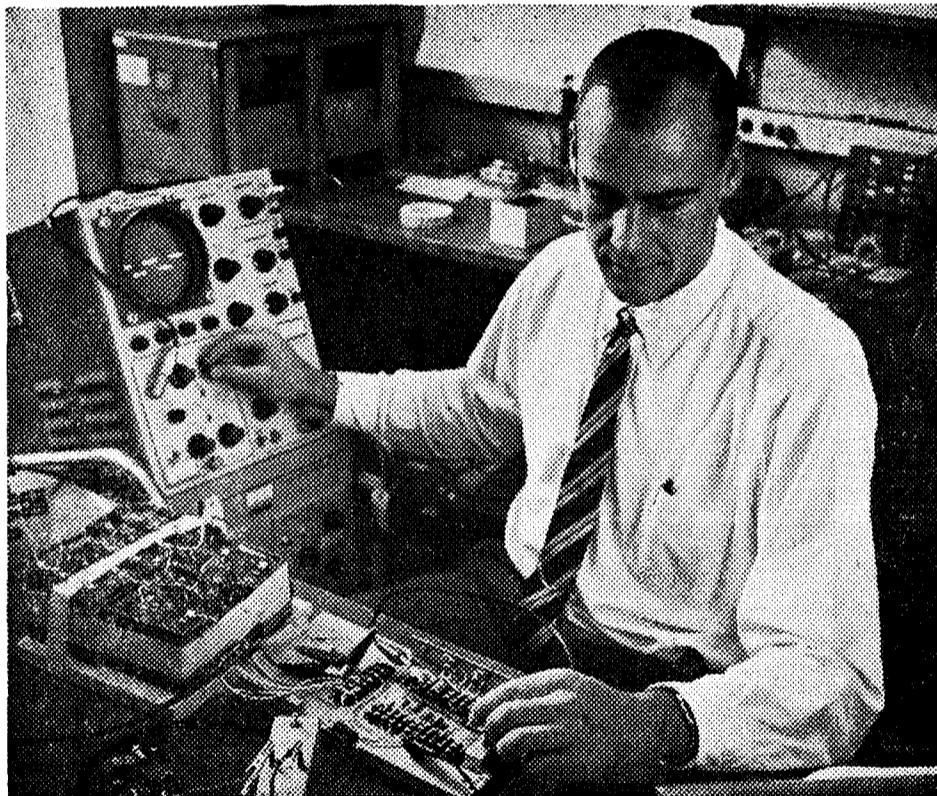
Keith S. Brown, Jr.

It is my understanding that many freshmen campaign for the office of ASCIT Second Representative on a platform based on their high school achievements. However, it is my belief that my greatest benefit to you, the student body, as your representative, lies not in my past but in a future which only you

can help me realize.

A candidate for a student body office should be astute, intelligent, conscientious and personally interested in sacrificing time to his duties. I believe that I can fulfill those prerequisites. More than helping to plan last year's Fleming Interhouse, I put nearly 100 hours into realizing those plans; and although I was new to football last fall and played very little, I missed only one practice during the term. At Christmas, I had only a week at home; yet I devoted that week to helping my father, an Arizona State Representative, through one of the most exhausting sessions in the history of the legislature. My intellectual curiosity led me to become a very active member of the campus YMCA; and next spring I am not only going to the Model United Nations but was chosen as a member of the planning committee for Ralph Bunche's visit. Yet I have never neglected my studies and am now in the freshman honor section. I have carefully studied the responsibilities of the post of ASCIT Second Representative and I believe I can fill the post with vigor, devotion, and consideration.

A Campus-to-Career Case History



Dick Abraham of Bell Telephone Laboratories, here experimenting with closing the loop on a transistor feedback amplifier.

"I'm working with top names and top talent"

That's one of Richard P. Abraham's comments about his career with Bell Telephone Laboratories in Murray Hill, N. J. "In 1954, after I'd received my M.S. from Stanford," Dick continues, "I was interviewed by a number of companies. Of these I liked the Bell Labs interview best—the interviewer knew what he was talking about, and the Labs seemed a high-caliber place."

"The Labs have a professional atmosphere, and I'm really impressed by my working associates. As for my work, I've been on rotating assignments—working with transistor networks and their measurement techniques, studying magnetic

drum circuitry, and doing classified work on Nike. This experience is tremendous.

"In addition to the job, I attend Lab-conducted classes on a graduate level several times a week. Besides that, the Labs are helping me get a Ph.D. at Columbia by giving me time off to get to late afternoon classes. That's the kind of co-operation you really appreciate from your company."

"What are important to me are the opportunities offered by the job and the work itself. My wife and I own a house near Murray Hill, and we've found a lot of friends through the Labs. All in all, I think I'm in the right kind of place."

Dick Abraham is typical of the many young men who are finding their careers in the Bell System. Similar career opportunities exist in the Bell Telephone Companies, Western Electric and Sandia Corporation. Your placement officer has more information about these companies.



row 6, number 13

Campus Brewins

By Al Farley

William Steinberg of the Pittsburgh Symphony Orchestra conducted the Los Angeles Philharmonic last Thursday in Philharmonic Auditorium during the absence of its musical director, Alfred Wallenstein.

The program opened with Brahms' "Tragic Overture", a piece which, at best, is not outstanding. The orchestra gave this work a rather ragged performance, due in no small measure to its unfamiliarity with the conducting technique of Mr. Steinberg. At times Steinberg's gesticulations seemed to bear no relation whatsoever to the music at hand, which I am sure did not help the orchestra members any.

The orchestra played the second number, Schubert's Symphony No. 8, without incident.

Following the intermission, Steinberg directed Mahler's Symphony No. 1, the major event of the evening. The orchestra gave a better than average performance of Mahler's score and at times they even became exciting. On the negative side,

however, the inordinate exuberance of the cymbals player, the sloppiness of the tuba solo and the generally poor tone of the brass section detracted from the overall architectural line.

Kenton

Friday of last week presented an opportunity to hear Stan Kenton at Zardi's Jazzland and it was worth it (even with the \$1.25 admission charge and one drink per set minimum). The imposing greying appearance of Stan Kenton, the originator of progressive jazz, presided over an entourage consisting of four saxes, two French horns, five trumpets, four bones (bass bone), tuba and full rhythm section.

The well-rehearsed band has a very legitimate style of execution and all of his musicians are first-rate technicians. Bill Perkins showed no evidence of any ill effects from his years at Tech and led the band in a set featuring his own solos. Perkins and the facile Lennie Niehaus played all of the sax solos for the evening.

The trumpet section lacks a

good soloist but plays well together, has range, flexibility, clear articulation, brilliance and power. Much of this is due to the presence of lead trumpeter Ed Leddy, a veteran who, in addition to playing in the classical field, has played with many bands, including Willis Conover and Les Elgart. He handled a majority of the lead work, as well as his share of the solos.

The main annoyance of the evening came when disc jockey Joe Adams made an abortive attempt to put on an NBC radio show from the nitespot. The band was told that the show was going on at 11:00, so that at 10:45 the men took a break. Came 10:55, the band readied, and then for some unexplicable reason, the show failed to come off. Then at 11:20 we were again told that the show would go on, so the band took another break. This time the show did go on the air—at 11:35, and the next 25 minutes were full of Joe Adams waving his hand at the audience telling them when to think that the music was good and when not to.

"Oh goody, there's a dance! Now we can stay 'til 12:30."

Tom Plambeck

Place: Just outside the lounge of the after-the-game dance in Fleming.

Time: 10:29 p.m.

Action: Figure streaks up, looks in the lounge, mutters said words, and hi-tails it back to Dabney with a pleased expression on his face. What would you think?

Dick Tracy Escapes Hell!

Annoyed by a recent outbreak of germ warfare, Blacker's Hell Alley sent a full entourage to see its antagonist—Whitehouse. Their avowed purpose was a discussion and perhaps demonstration of the "swirl shampoo" currently so popular in other houses. Thus it was that a few of Hell's more illustrious Hellions were found carefully surrounding Whitehouse's room. After not so carefully sawing the latch off the pinned lock, they were finally admitted to his room only to discover that said being had escaped by removing the medicine chest and

fleeing through an air duct into the attic and freedom. When last seen Harper was leaving on a slow boat to Betchawannaland.

Gone Professional?

The Beak was shocked to see the Darb lose its amateur standing as they were led in practice by a renowned guest conductor named Howard Berg's Barbara (Broad), a music major at Oxy.

The dizzy couples at the Darbney valentine dance were not the result of the usual imbibication, but rather they gave as their excuse the improbable account of a "helium jag." This could be worse than the Man with the Golden Arm.

Half an Ounce of Bull

Do you want to know how to mix the neatest of all possible drinks? We suggest you go up to Room No. 62 Ricketts. There's a guy up there who will be more than willing to give you the most exacting details of this fabulous process.

This Gentleman Prefers

After his dean advised him to go out with Scripps women to raise his GPA, Ken Dinwiddie has returned to robbing the proverbial cradle. Ken had been going with a seventeen year chick 'til he discovered her fourteen year sister was a real babe. The problem: How can Mr. Dinwiddie get rid of this Grandma Moses so he can start on uncharted territory? (Rumor has it the 14 year old one had a 7 year old sister, but she wouldn't let Ken see her.)

Mono Strikes Again Continued

As we went to press last week, Blackerman Jerry Klaz was seen madly punching T.S. cards due to some unfortunate circumstances connected with a young lass from Beverly Hills. Well, at the recent Doc's Party, Blackerman Dave Gardner wound up dancing with said young lass during one of the mixers. And after several moments of chatting with her, was heard to exclaim, "Oh! You're the one from Beverly Hills."

The ladies met on a train. "I'm from Boston," haughtily remarked one. "There, breeding is everything."

"Well, I'm from St. Louis," the other replied, "We like it there, too, but it's not everything."

Collector: "What do you say to paying the installment on this sofa?"

Dumb Dora: "Oh, goody! I was afraid you had come for the money."

What young people are doing at General Electric

Young manager handles finances for \$40,000,000 business

General Electric is made up of more than 90 product departments that operate as individual "businesses" — each conducting its own legal, financial, manufacturing, engineering, marketing and research activities.

One of the most important of these businesses is the Technical Products Department that makes broadcasting and communications equipment and semi-conductor devices. Responsible for managing the finances of this \$40 million business is Robert H. Platt.

Platt's Work Is Important, Responsible

In the next ten years, the Technical Products Department is expected to reach the \$100 million mark — more than doubling its present size. This is a big job. And it requires Platt to keep tabs on everything from tax, cost, and general accounting to payrolls, budgets and measurements, credits and collections, and internal auditing.

25,000 College Graduates at General Electric

Experience gained in the Business Training Course and as a traveling auditor gave Platt a variety of financial experience. Like each of our 25,000 college-graduate employees, he was given the chance to grow and realize his full potential. For General Electric has long believed this: When fresh young minds are given the freedom to make progress, everybody benefits — the individual, the company, the country.

Educational Relations, General Electric Company, Schenectady 5, New York

ROBERT H. PLATT joined G.E. in 1941 after receiving his B.A. at Colgate University. He served 2 years in the Navy, attaining the rank of Lieutenant (J.G.). He is also a graduate of G.E.'s Business Training Course.

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dining out

PEPPER MILL, 795 E. Walnut, Pasadena. Daily 11 am to 2 am.

Most of Los Angeles' restaurants either have a complete lack of atmosphere or it is drilled into the patron to the point of ruining an otherwise delicious meal. The notable exception in Pasadena is a steak house just west of Lake on Walnut called the Pepper Mill.

The main theme of the Pepper Mill is not its title as you would suspect, but its English Tudor architecture. The building is in the shape of an L, so although it isn't a large place, it has a long street frontage. You can see the wooden beams flush with the outside surface, the gable roof, and the stained glass windows, amber with a touch of deep red. As you enter from the parking area at the side, the main dining room is located to the right. To create a cozy atmosphere it is divided into two smaller dining areas. The very centrally located bar is to the left with the Fireside Room beyond it.

The interior of the Pepper Mill has been done with impeccable taste. The lighting is done primarily with copper lanterns and is supplemented with tiny spotlights. The decorations are coats of arms, brass plates and copper pots, and of course pepper mills. There are pepper mills of all sizes and shapes, plain and ornate, some depicting little scenes, reminding one of German beer steins. One mill stands two feet high and holds an honored position in the arrangement. It is indeed a fine collection of pepper mills, many of which are for sale, as are the oil paintings that hang on the walls.

The Fireside Room which doubles as a private banquet room on occasion, looks out to a patio with an open fire built in a Millikan's Pot-like structure. A fence has been erected around the outside of the patio to spare the customer from the less esthetic Pasadena countryside.

In the bar area there is lounge seating as well as at the bar itself. Crackers and a variety of delicious dips are served at the bar and a strange little table of bar height right in the middle of the floor. The bar encourages a friendly feeling that causes people to move about between the cocktail tables, the dip table and the bar. I was impressed with the activity that seems to be going on throughout the restaurant.

Needless to say, the food served in this very pleasant dining room is excellent. The steaks and chops come from the charcoal broiler, and there is also a fine variety of fowl and seafood. The prices on the menu are a la carte so the dinner prices are about a dollar higher. Steak dinners run about \$4.50 without the bar check. For the amateur a wine suggestion is made for each entree.

The Pepper Mill is a small place and therefore reservations on weekend evenings are a must.

To sum up, the Pepper Mill offers superior food and service at prices comparable to other steak houses. The difference is the subtle atmosphere and the fine feeling of dining in a restaurant of such excellent taste.

—John Lansingh

The Cool Corner

by Frank Kofsky

Australian Jazz Quartet, a Bethlehem record (BCP-39) featuring: Dick Healey, flute, alto sax, clarinet and bass; Errol Buddle, bassoon, tenor sax; John Broken-sha, vibes; Bryce Rhode, piano; Jimmy Gannon, bass; Nick Stabulas, drums.

In the past few months, two groups have been organized that stand head and shoulders above most of their contemporaries. One such group is the Chico Hamilton Quintet and the other, perhaps less familiar ensemble, is the Australian Jazz Quartet.

The Australian Jazz Quartet combines a rare amount of perception and insight in their Bach-like bassoon-flute-vibes passages, while keeping their improvised solos fully as driving

as any in jazz. When Buddle and Healey switch to the more conventional saxes or clarinet, the extent of the Quartet's versatility becomes apparent . . . they swing. It is to be hoped that the AJQ will soon visit the Southern California area.

Gerry Mulligan Quartet—Paris Concert, a Pacific Jazz record (PJ-1210) featuring: Gerry Mulligan, baritone sax; Bob Brookmeyer, valve trombone; Red Mitchell, bass; Frank Isola, drums.

Gerry Mulligan and Bob Brookmeyer have appeared together in different aggregations so many times in past years that it is surprising no one has thought, until now, to release a record with Brookmeyer's valve trombone replacing the usual

trumpet in the Mulligan Quartet. The results of said replacement are most happy, and Brookmeyer's earthy trombone blends well with Mulligan's gutty baritone. The original tape was cut at a concert at the Salle Pleyel in Paris, and judging from the applause on the record, the French jazz enthusiasts were quite entranced with the Quartet's performance. Their reasons will become apparent upon listening.

Dizzy in Paris, a Contemporary record (C-2504) featuring: Dizzy Gillespie, trumpet; Nat Peck, trombone; Wade Legge, piano; Lou Hackney, bass; Al Jones, drums; Joe Carol, vocal.

Speaking of Paris, I was browsing through the back room at Contemporary when I found **Dizzy in Paris**, an authentic collectors item in which Gillespie

redemonstrated his complete mastery of the trumpet. Listening to Dizzy is instructive in that it reveals to what extent current West Coast trumpeters such as Chet Baker, Conte Candoli and Jack Sheldon are indebted to the Gillespie sound.

When Gillespie wants to clown, no one can do it better. Two of the selections on this disc, the madcap **In the Land of Ooobladee** and the satiric **'S Wonderful** are nothing if not hilarious.

Charlie Mariano, a Bethlehem record (BCP-25) featuring: Charlie Mariano, alto sax; Max Bennett, bass; John Williams, piano; Mel Lewis, drums.

In this album, Mariano is backed by Mel Lewis (drums) and Max Bennet (bass) from Kenton's group, and New York pianist John Williams.

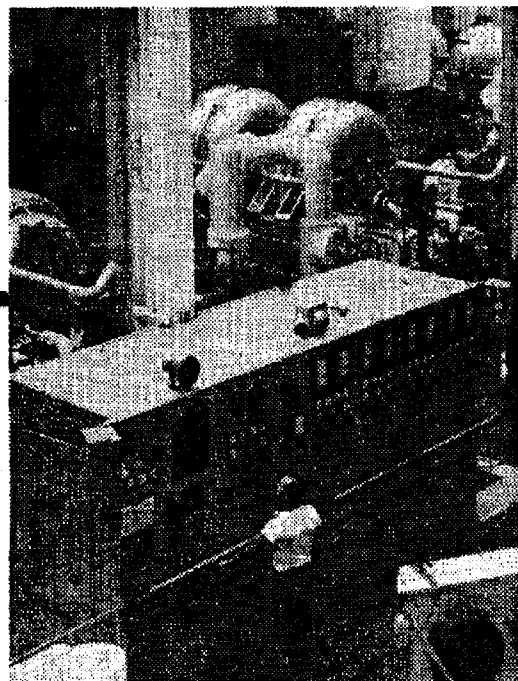
What's doing at Pratt & Whitney Aircraft

Jet Engines Tested in World's Most Complete Privately Owned Turbine Laboratory

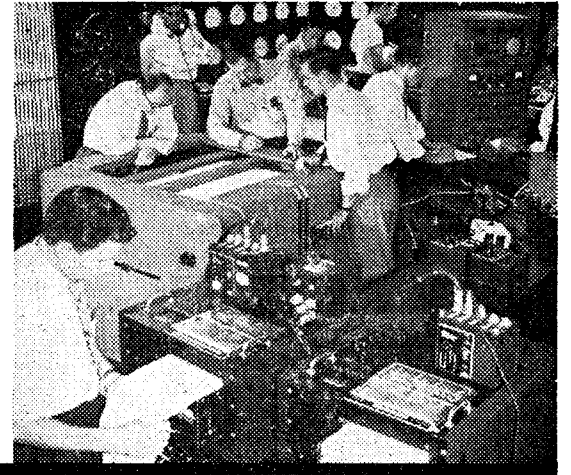
Located on the bank of the Connecticut River at East Hartford is a singular development facility—the Andrew Willgoos Turbine Laboratory. Here, behind windowless, thick concrete walls, many types of engineers find a never-ending challenge in the development and testing of advanced aircraft engines.

Test methods used by Pratt & Whitney Aircraft in their unique laboratory are highly complex. Tests are conducted on full-scale experimental engines at simulated altitudes up to 76,000 feet. Extremely high speed airflow, with pressure and temperature accurately controlled, duplicates speeds as high as Mach 2.75. To reproduce such prodigious flight conditions, extraordinary equipment had to be devised. For example, a 21,500-hp driving dynamometer supplies the enormous power needed to test jet engine compressors over a range of speeds from 800 rpm to 16,000 rpm.

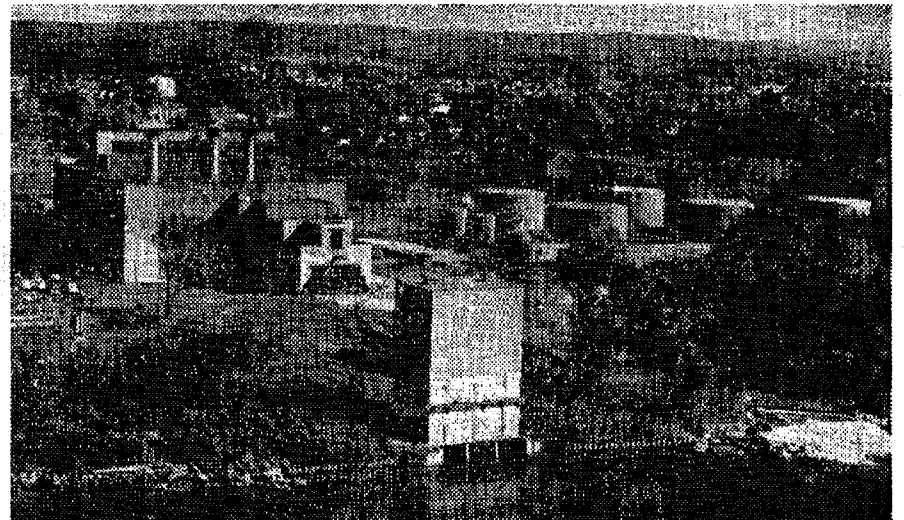
The time lapse between development and production of new engines is reduced considerably by the advanced facilities of the Willgoos Laboratory. An outstanding example of results achieved through concentrated engineering effort and complete research support is the Pratt & Whitney Aircraft J-57 turbojet. Today the unchallenged leader in its field, the J-57 is merely the forerunner of greater aircraft engines that will power the preeminent military and commercial aircraft of the future.



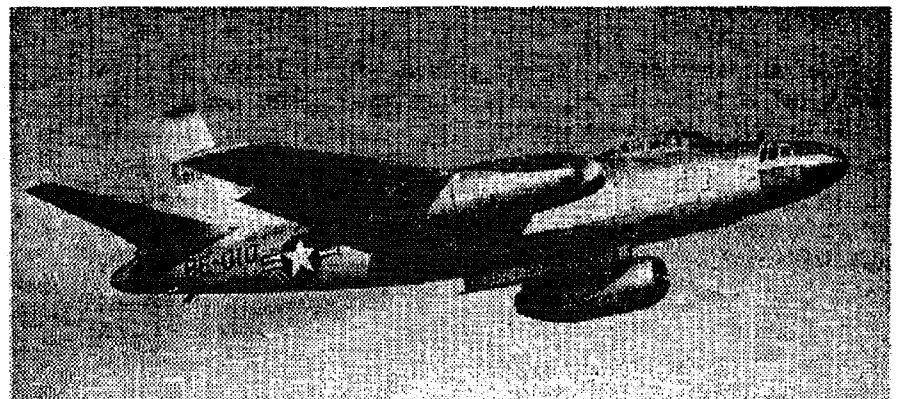
Giant refrigeration units from which conditioned air is piped to test cells are located in the large central section of Willgoos Laboratory.



Engineers in control room of one of eleven test cells at Willgoos Laboratory record important characteristics of gas turbine engines in operation.



Andrew Willgoos Turbine Laboratory where jet engines and their components are explored. Cooling water from the Connecticut River can be pumped through a maze of conduits at the rate of 160,000 gallons per minute — 3½ times the consumption of a city of half a million people.



B-45 flying test-bed is shown here with an experimental jet engine suspended directly beneath the bomb bay. Its regular engines are idled while in-flight performance of the turbojet is observed and recorded. The perfect complement to the complex ground-testing facilities of the Willgoos Laboratory, the flying test-bed is another vital factor in reducing engine development time.



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The Sports Corner

by Dick Van Kirk

I was really surprised at the large turnout for the Interhouse track meet Saturday. For once it seemed as if there were almost as many spectators as participants. Coach Bert LaBrucherie decided to give the fans a little extra for their money by having his varsity tracksters go through their paces in exhibition races before each running event. There were a couple of spots where the intramural athletes almost outdid the varsity men, and I imagine Coach La Brucherie was pleased to see them doing as well as they did.

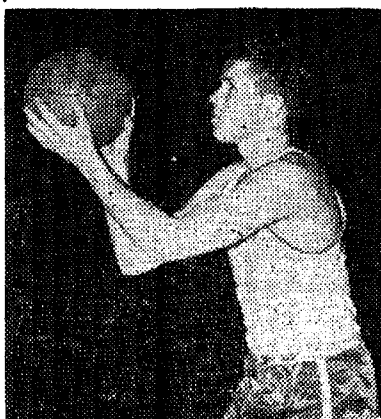
* * * *

Let me advise you to be prepared for anything tomorrow night when you go to the Caltech-L. A. State game. The Diablos' mentor, Saxon Elliott, is the kind of guy who is always willing to experiment, as witnessed by his act of outfitting his team last season with basketball shoes containing up to six inches of foam rubber on the soles, and his experiment with multi-colored basketballs, which drew enough national attention to merit a write-up in Collier's magazine. Other notable experiments of his include stationing the referees on ten-foot platforms throughout the game, and a tentative scheme to install a moving backboard in the Diablos' home court.

* * * *

In and around the SCC . . . Well, the return of Bruce Gilliland from military service certainly hasn't hurt the Occidental Tigers any in their bid for a repeat championship in the SCC basketball race. With the loss of guard Lyle Swanson due to a knee operation, the Bengals have made good use of Mr. Gilliland, who has been averaging close to fifteen points a game since his return . . . The Redlands Bulldogs pulled one of the season's biggest upsets last week as they downed Oxy, 57-52. I don't know how they did it, but the Bulldogs held Ted Tiffany to only 7 points and completely bottled up the Bengals' attack. The following night, however, Tiffany broke loose to score 36 points, giving the poor lad an average of only 21.5 points per game for the weekend's work.

Meet the Varsity



Glenn Converse

Among the outstanding sophomore prospects on the varsity cage squad is Glenn Converse, 6'1" forward. Glenn, who has tagged with the name "Hooks" for his particular shooting style last season, calls Glen Rock, New Jersey, his home.

After playing city league ball in high school for three years, Glenn came to Tech and took over the center slot on last year's strong frosh squad, averaging 10.3 points per game. This season he 180-pound hustler has had to readjust himself to the forward position, and has been making rapid progress.

Dabney edges by Fleming in Interhouse Track Meet

A surprise win in the 880 yard relay made the Dabney spike-men last-minute victors in the Interhouse Track meet last Saturday. The Dabney men just edged out Fleming 51 1/2-50, as Ricketts placed third with 33 points.

This was another record-breaking year as three old marks bit the dust. Blacker's star freshman, Dave Gregorich, paced through a fine 1320 in 3:29.5 to set a new record. Ricketts' Tony Leonard brought the 660 mark down from 1:29.9 to 1:28.0. The pole vault record fell also, as Fleming's Bob Norton vaulted 11' 1/4".

Although not breaking any records, the outstanding track performer of the day was Ricketts' Ron Forbess. Forbess was all alone in the 330, being clocked at 37 seconds flat. In the 220, however, Dabney's Arne Kalm pushed Forbess all the way and lost by inches at 23.1 seconds. Forbess was also anchor man on the second-place relay team.

Kalm's race was the 100 yard dash which he decisively won in 10.6 seconds. In the 70 yard high hurdles, Norton showed his versatility by leading the field with a 9.9 second performance.

Outstanding field man was Fleming's Chuck Luke, who had quite a day, winning the javelin

throw with a 163'-3/4" toss, the discus with 117' - 6 1/2", and taking third in the shot put.

SUMMARY

100 yd. dash—Kalm (D), 10.6; Leonard (R), Malone (T), Whitlow (F).

220 yd. dash—Forbess (R), 23.1; Kalm (D), Whitlow (F), Horlein (F).

330 yd. run—Forbess (R), 37.0; Barry (D), Vurek (F), Linson (D).

660 yd. run—Leonard (R), 1:28.0; Gregorich (B), deGaston (D), Peck (D).

1320 yd. run—Gregorich (B), 3:29.5; Scott (F), Stark (B), Thatcher (F) and Lauritzen (B), tie.

120 low hurdle—Price (R), 14.6; Childs (R), Howell (D), Brown (F).

70 high hurdle—Norton (F), 9.9; Howell (D), Childs (R), Price (R).

880 relay — Dabney, 1:38.9; Kalm, Berry, Schultz, Kreger; Ricketts; Fleming, Blacker.

High jump—Brown (F) and Plambeck (D), 5-7 7/8; Kaufmann (F), Childs (R) and Price (R), tie.

Broad jump—Kuli (D), 19-9/4; Plambeck (D), Kalm (D), Norton (F).

Shot put—McCune (B), 41-7/4; Pitzer (D), Luke (F), Bayes (D).

Javelin—Luke (F), 163-3/4; Snyder (F), Norman (F), Lewyn (D).

Discus — Luke (F), 117-6 1/2; Bayes (D), Johnson (F), Malone (T).

Pole vault—Norton (F), 11-1/4; Howell (D), Johnson (F) and Schulz (D), tie.

FINAL SCORE

Dabney	51 1/2
Fleming	50
Ricketts	33
Blacker	16 1/2
Throop	3

INTERHOUSE STANDINGS

Dabney	91
Fleming	71
Blacker	62 1/2
Throop	44 1/2
Ricketts	43

Discobolus Sports

Blacker defeated Ricketts 3-2 in Discobolus tennis this week, after establishing precedent by permitting a substitution for an injured man.

Scores were: Phil Reynolds (R) over Gene Barston, 6-3, 3-6, 6-2; Mark Goldenberg (B) over Gary Breitbart, 9-11, 8-6, 6-4; Al Goldberg (B) over Howard Rumsey, 6-2, 7-5; Stu Goff (B) over Frank Kofsky, 6-4, 6-1; Lyman Fretwell-Hunt Small (R) over Larry Ellmore-Chuck Stone, 3-6, 6-3, 6-0.

Don't write home for money—write Lucky Doodles!

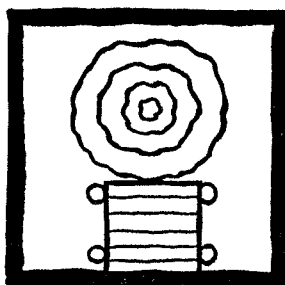
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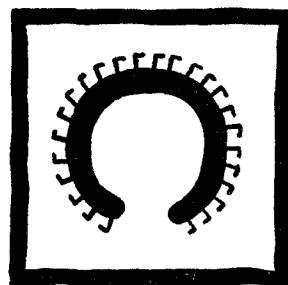
Do as many Doodles as you want. Send them, complete with titles, to Lucky Doodle, Box 67A, Mt. Vernon, N. Y. Include your name, address, college, and class—and the name and address of the dealer in your college town from whom you most often buy cigarettes.

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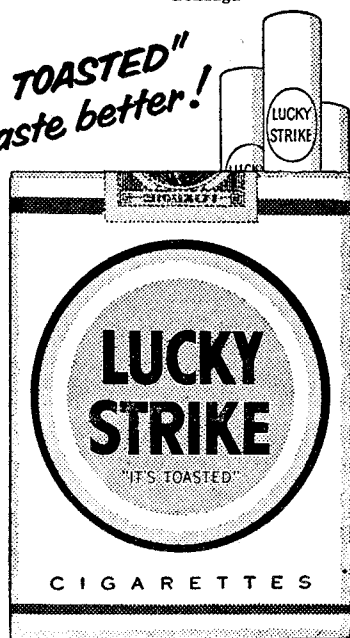


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Beavers to host Diablos Friday

Caltech's varsity hoopsters meet the L.A. State Diablos tomorrow at the Scott Brown Gymnasium in what promises to be a fast-moving game.

In the first meeting between the two schools this season the Diablos took a decisive 58-41 win, paced by their flashy guard, Fenton Gilmer. They displayed a fast-moving, well-timed offensive pattern combined with a hustling defensive game which caught the Beavers off balance time and again and set up numerous fast break opportunities.

Basketballers' losing streak grows to 23

Caltech's winless basketball crew lost numbers 16 and 17 to Whittier and Westmont last week, extending their two-year losing streak to 23 games.

Friday the Whittier Poets took an easy 72-43 victory over the Beavers in Scott Brown gymnasium. Phil Conley, Beaver center, led individual scoring with 16 points, but the Poets scored from every position. Stan Hubert led his squad with 14, but guards Zabel and Bill Harmon each hit for 12 and Bob Bland scored 10.

Howie Bloomberg and Glenn Converse led Tech rebounding, but on 23 separate occasions the Beavers lost the ball without taking a shot, and shooting was sporadic at best. Caltech was without the services of Sonny Nelson, set shot artist, who re-injured his knee against Pasadena Nazarene earlier in the week.

SCC Standings

The Redlands Bulldogs moved into first place in the conference standings last weekend by edging Occidental, 57-52. In other conference action the Whittier Poets dropped Caltech 72-43. With two weeks of conference play remaining the standings are as follows:

Team	Won	Lost	Pct.
Redlands	5	1	.833
Occidental	4	1	.800
Whittier	3	2	.600
P-C	1	3	.250
Caltech	0	6	.000

Standings given as of February 13.

Saturday Tech traveled to Santa Barbara to meet the Westmont Warriors in their homecoming game. Westmont easily took a 37-28 halftime lead, surged far ahead early in the second half, and coasted to a 79-53 victory.

Forward Jim Ball caught fire for the Beavers and rolled up 21 points, and Conley hit for 16 despite being ejected on personal fouls with 13 minutes remaining. Westmont, however, had too much height for the Beavers, and Dan Heinrichs, sporting a fancy, unstoppable hook shot, chalked up 30 points. The Warriors demonstrated their flexibility when Heinrichs was removed for a short time due to a minor injury and Bob Cannon sank several pretty field goals from the outside. Cannon finished the game with 12 points to his credit.

Ball brought down 10 rebounds, and Conley picked nine off the boards. Herb Rauch, entering the contest at center after Conley fouled out, was credited with seven rebounds.

Last night the Beavers met the Occidental Tigers on Oxy's small home court in Alumni Gym.

Thinclads face PC(N) in dual

Coach Bert LaBrucherie's varsity tracksters open their dual meet season tomorrow with high hopes of handing the Pasadena Nazarene Crusaders a convincing defeat. With six weeks of workouts behind them, the Beavers hope to use this meet as a tuneup for their conference opener at Occidental a week from Saturday.

Caltech's scoring hopes are based mainly in the field events and sprints, while the Nazarenes' major strength lies in the distance events.

Phil Conley, Tech's javelin ace, figures to pick up points in both the high jump and broad jump, while Roger Wileman, John Lukesh, and Ed Krehbiel give the Beavers a strong one-two-three punch in the sprint events. Dick Van Kirk and Jerry Lawrence are Coach LaBrucherie's hurdle hopes, and Conley, Van Kirk, and Arne Kalm lead the Tech broad-jumping contingent.

Other possible point-getters for Caltech are quarter milers Marty Tangora and Chuck Bonwell, and distance runners Don Lewis, Fred Witteborn, Dan Wulff and Tom Moore.

Frosh Sports Roundup

Brent Banta

You guessed it; another pair of tough ones for the Frosh basketball team last week. Against Whittier on Friday, the prospects of a win really looked great for most of the game. Tech led all the way through the first half, allowing the Poets to tie up the score at 22-22 in the closing seconds of the period. The new double-post setup with Jerry Just and Bill McClure in the key positions finally seemed to be the answer to a losing season; but during the first half, McClure picked up four fouls.

Even with this sword over their heads, the Beavers went on to grab a six point lead in the opening ten minutes of the second period. Trouble was, at this point, McClure fouled out, and the roof fell in. The Poets pulled even and by the final buzzer piled up 46 to our 38. From the score, one might guess that the ball handling on either side left a lot to be desired.

Really a rack against Westmont, not only were we fighting a junior varsity team, but inconsistent refereeing as well. The team really seemed to be trying this time — too bad we

had twice as many fouls as Westmont. Fred Newman and Ray Magdaleno both fouled out early in the second half; and, due to several absences on the first string, there were no replacements immediately available. Jack Bass and Bob Ingram played outstanding games, as did Newman and Magdaleno before they left the game. Newman was high point man with 11; a bit of a letdown from his 34 against Pasadena Nazarene recently.

* * *

First track meet of the season this Friday against Pasadena Nazarene, and after the Inter-house Meet, it looks like the Frosh team may be real strong. Tony Leonard broke the inter-house 660 record, so did Dave Gregorich in the 1320. Ron Forbess is a good bet in the sprints, and Vic Johnson seems to be the mainstay in the weight department.

* * *

Tech meets Pomona-Claremont in tennis this Saturday afternoon. The Frosh team is led by Frank Cormia and Clint Frazier, with Larry Tenn, Al Porrush, and Dick Long rounding out the team.

Horsehidors begin training

Ten returning lettermen are forming the nucleus of Caltech's 1956 baseball squad, which began workouts Monday.

Hopes for this season are based on Ray Weyman, unanimously all-conference pitcher for the second time last year, Chuck Norman, a three-year all-conference choice at shotstop who recently returned to school; and Ed Berry, who was selected for the all-SCC second team as an outfielder.

Other returning lettermen are Mike Duke, Warren Furumoto, Al Goldberg, Jim Koontz, Hal Morris, Ed Nelson, and Gene Nelson. Neil Herman, first team catcher for Pomona last year, has transferred to Tech on the 3-2 plan. Tony Howell, Don Stocking, and Chuck Stone are the outstanding prospects from last year's freshman team.

The Beavers open a schedule of approximately thirty games next week. Pasadena Nazarene, Pasadena City College, and Westmont will play in Tournament Park.

Tennis team opens against Lions today

Caltech's varsity tennis team opens its season against Loyola at the Beaver courts today at three thirty. Saturday the Beavers play host to the Pomona-Claremont Sagehens in their first conference match of the season.

Paced by four returnees from last year's squad, Coach John Lamb's racketeers hope to partially compensate for the loss of four-year lettermen Alva Yano and Gil Beebower through graduation by the addition of Al Polsner and Reed Warrinner to the squad. Vets Bernie Mueller, Tom Hays, Gene Barnes and Dave Yount lend experience to the squad.

The freshman squad opens its season Saturday at Pomona-Claremont, with most of its hopes riding on the strong right arms of Frank Cormia and Clint Frazier.

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Interview Schedule

Wed. 15, Thurs. 16, Fri. 17—BS, MS, PhD/EE, ME Hewlett-Packard Company, Palo Alto, California.

Wed. 15, Thurs. 16—BS, MS, PhD/Ae, ME, EE, CE; MS, PhD/Ma, Ph Lockheed Aircraft Corporation, California Division and Georgia Division.

Wed. 15, Thurs. 16—BS, MS, PhD/Ae, ME, EE, Ph, Ma Lockheed Aircraft Corporation, Missile Systems Div.

Thurs. 16—BS, MS, PhD/ChE, Ch; BS/ME, EE Titanium Metals Corporation of America, Henderson, Nevada.

Thurs. 16, Fri. 17—BS, MS, PhD/Ae, EE, ME, Ph, Ma, CE Hughes Research & Development Laboratories.

Fri. 17—BS, MS/ME, EE, CE, ChE Aluminum Company of America, (ALCOA) Some openings for Jrs. in above options for Summer Work.

Fri. 17—BS, MS/EE, ME, Ph Bendix Aviation Corporation Representatives from Pacific Division—North Hollywood, South Bend, Indiana Division, and Tebororo Division will be on campus to interview.

Fri. 17—BS, MS, PhD/EE, ME, Ph, Ma Bendix Computer Division, Los Angeles.

Fri. 17—BS, MS/EE, Geoph; BS, MS, PhD/ME, EE, ChE, Ge; MS, PhD/Ph; PhD/Ch, Ma Carter Oil Company, Research Laboratory.

Mon. 20—BS, MS/ME Reynolds Metals Company.

Mon. 20, Tues 21—BS, MS/Ae, ChE, EE, ME, Ch, Ph General Electric Company. Summer employment opportunities for Juniors in the above fields.

Mon. 20, Tues. 21—BS, MS, PhD/Ae, CE, EE, ME; MS, PhD/Ma, Ph Boeing Airplane Company. Summer employment opportunities for Juniors.

Tues. 21—BS, MS/EE, Ph, ME Brush Electronics Company, Cleveland, Ohio.

Wed. 22, Thurs. 23, Fri. 24—BS, MS, PhD/Ae, EE, CE, ChE, ME, Ph, Ma North American Aviation. Interview will include

Downey, Autonetics, Rocketdyne etc.

Wed. 22—BS, MS, PhD/EE, ME, Ph Hycon Manufacturing Company.

Wed. 22—BS, MS, PhD/ChE; BS/ME Dow Chemical Company Sophomores and Juniors for summer employment.

Wed. 22—BS, MS, PhD/EE, Ph Federal Telecommunication Laboratories.

Thurs. 23—PhD/Ch; MS, PhD/ChE, ME The M. W. Kellogg Company.

Thurs. 23—BS, MS, PhD/EE, Ph Varian Associates.

Thurs. 23—BS, MS, PhD/Ch, ChE Pacific Coast Borax.

Thurs. 23, Fri. 24—BS, MS/ChE, ME, EE, CE Procter & Gamble Manufacturing Company.

Fri. 24—BS, MS, PhD/Ae Co-operative Wind Tunnel.

Fri. 24—BS, MS, PhD/Ch, ChE, ME; MS, PhD/Ph Continental Can Company.

Fri. 24—BS, MS/Ch, ChE, ME, EE General Petroleum Company. Manufacturing Department.

Fri. 24—Freshmen/Engineering, Physics, Chemistry and Mathematics. North American Aviation. Summer employment.

Aluminus Perkins wins sax award

(Continued from page 1)

with groups led by Bud Shank (Pacific Jazz 1205), Lennie Niehaus (Contemporary 3510), Stan Kenton (Capitol T 666) and Barney Kessel (Contemporary 3513). He is currently under contract to Pacific Jazz, and in the past few weeks he has cut three albums under their auspices: one with Russ Freeman's Quintet, one with Modern Jazz Quartet pianist John Lewis' quintet and one for his own octet. Most of the compositions and arrangements for the octet album were written by Bill himself. And, although as yet unreleased, RCA Victor is preparing a record spotlighting the combined tenors of Bill, Richie Kamuca and Al Cohn.

Bill, who was a member of Dabney House while at Caltech, is accomplished on alto sax and flute as well as his better known tenor. His future plans include remaining with the Kenton band at least until their scheduled tour of Europe is completed.

Park, Baker run for Tech manager, Big T editor

Stan Baker

The editor of the **Big T** has the responsibility of producing a pictorial book recording campus life. I feel I am qualified to hold this responsibility as I was a yearbook editor in high school where there was no faculty assistance. At Tech I have gained a working knowledge of the operation of the **Big T**. Thus I am very familiar with the production of a yearbook.

Amateur photography has been my hobby for many years. I own two cameras and have spent many hours in a darkroom. Therefore, I am experienced in working with photographs, which comprise most of the **Big T**.

I have given a large amount of thought to the **Big T** and have certain new ideas for improving your annual.

I have the ability and interest to become your **Big T** editor, and request our support in the ASCIT election.

Ed Park

I'd like to be business manager of the **California Tech** next year. Here are some of the things that I've done that might qualify me for the job:

I've been circulation manager of the **California Tech**. (This will probably help me the most.) I've also written for the paper, and written for and worked on **Pendulum**. Drawing posters as a member of the Rally Commission may turn out to be of some help.

If elected, I'm sure I'll do a good job.

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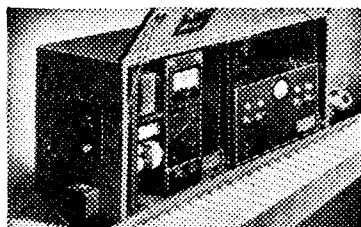
Pasadena 1, California



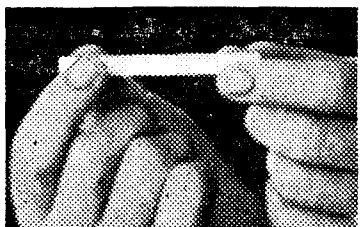
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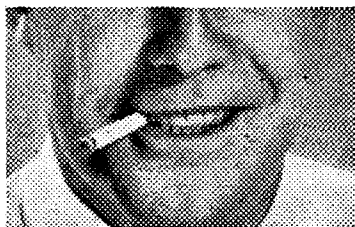
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