

Y members from 8 colleges to meet for talks, recreation

Dr. David Elliot of the Caltech history department will be the keynote speaker at the spring YWCA-YWCA conference this Friday, Saturday and Sunday at Camp Seeley in the San Bernardino Mountains.

The Seeley Conference is open to all Caltech Y members. Over 100 students from YMCA's and YWCA's of UCLA, USC, Oxy, Pomona, Whittier, Chapman and San Diego State will attend.

The program will include talks, discussion groups, and recreation. Besides Dr. Elliot, who will speak on some facet of the international situation, talks will be presented by Milnor Alexander, a member of the staff of the American Friends Service Committee, and Winnifred Wygal, formerly with the National Staff of the YWCA, who has had extensive experience in the fields of worship and human relations. The Japanese film "Children of the A-Bomb" will be shown.

Discussion groups will consider numerous topics, some being led by students from other countries who will consider the crises now being faced in the major countries of the world.

Recreation will include square dancing, films, records, sports, games, and group singing. An "International Festival" will highlight the recreation program on Saturday night.

The cost for room, meals and registration is \$7.50. Those interested in attending may obtain more information at the Y office or from George Oetzel in Fleming.

Tau Beta Pi initiation held

The Caltech chapter of Tau Beta Pi, national engineering honorary society, initiated ten new members in a ceremony last Saturday, April 14.

The initiation, which took place at the Rodger Young Auditorium in Los Angeles, was held in conjunction with the Tau Beta Pi chapters of USC and UCLA.

Following the ceremony was a banquet for the members of the three chapters and for Tau Beta Pi alumni living in the Los Angeles area. The featured speakers were H. W. King and Robert Nagle, the national president and secretary-treasurer of Tau Beta Pi, respectively.

The Caltech students initiated into the society were Baird Brandow, Al Di Loreto, Richard Hundley, Bill McDonald, Bob Moore, Ed Nelson, Rex Peters, Walt Peterson, Walt Specht, and John Thomas.

BOD names editors for Farrago, 'T'

by Herb Rauch

Monday night the ASCIT Board appointed men to put out Farrago this term, to edit the Little T, and to insure that our rallies and assemblies shall be appropriate.

Marty Tangora will be editor of Farrago this spring term. Karl Knapp and Kirk Polsen were approved as business managers of Farrago.

Mike Godfrey will take charge of the Little T this summer.

The Rally Commission, headed by Chuck Bonwell, includes Bill McClure, Mike Talcott, Jim Weaver, Alan Forsythe, and Dick Van Kirk.

The turnout for Farrago Monday night was very encouraging, considering the complete absence of candidates last week. Four candidates applied for editor.

Last term Farrago staff started in high speed the first week and just finished in time for finals. So this term will be a race to see if we get Farrago before the seniors get diplomas.

Class nominations moved to April 26

The ASCIT Board Monday rescheduled class nominations and elections for one week later.

The classes will hold nominating functions Thursday, April 26. Bob Ingram, freshman class president, plans to receive nominations by envelope. Howard Bloomberg and Dave Leeson, junior and sophomore class presidents, indicated that their classes would hold nominating assemblies on the designated date. The locations will be announced by the class officers.

The elections will be held Thursday, May 3, under the supervision of the ASCIT election committee.

W. Briggs, Socialist leader, to speak in Blacker tonight

William Briggs, chairman of the Socialist Party of California, will speak in Blacker House today at 7:30 p.m. on "What Does Socialism Offer America?"

Briggs' talk is sponsored by the Open Forum and will include an evaluation of American political and economic institutions, as well as the platform of the Socialist Party. Eason Monroe, executive director of the American Civil Liberties Union, will introduce him.

The aims of the Socialist Party, according to Mr. Briggs, are to "effect through elections a cooperative, democratic society, based on the gradual nationalization of the basic industries of the country: transportation, steel, automobile. We oppose revolution and the general strike as means of attaining it."

U.S. underfed, underclothed

"According to Department of Labor statistics, one-third of the people of the nation are underfed and underclothed," continued Briggs. "Our American economy, which is geared to war production, is responsible. We propose a change in foreign policy, in which positive moves for disarmament will be featured. Present resolutions for disarmament before the UN General Assembly and Security Council are inadequate in that both power blocs wait for the other to move. We propose that the United States immediately take positive steps toward disarmament by a 10 to 20 per cent reduction in war spending.

Oppose Russia

"The Socialist Party is opposed to the existing government of the Soviet Russia because it is undemocratic, suppressing trade unions and free speech. Her economy is controlled by a bureaucracy which reaps the profits of the system. An American socialist government would allow the people maximum freedom, not by establishing a 'dictatorship of the proletariat' but by allowing every person equal freedom of opportunity and the right to have a voice in the handling of the economy.

Fight legislation

"The Socialist Party does not have the electoral strength at the present time to effect a socialist government. We are at present fighting restrictive legislation which suppresses the right of minority parties to be represented on the ballot. California is the worst offender, followed

(Continued on page 6)

Announcements . . .

Finian's Rainbow

Immaculate Heart College will present **Finian's Rainbow** April 21-25 with an 8:30 p.m. curtain. Sets, costumes, and publicity are being handled by the College Art Department, and music will be provided by a thirty-piece student orchestra.

Kefauver at Occidental

The Political Science Forum of Occidental College has invited all who are interested to hear an address by Senator Estes Kefauver on Friday, April 20, at 3:50 p.m., in Thorne Hall.

Physics Club

Dr. Milton Plesset will discuss "Atomic Reactors" with the benefit of slides and a movie at a physics club meeting Wednesday, April 25, at 7:30 p.m.

Swedlow's paper takes contest prize

A summer job earned Jerry Swedlow a \$25 Series E bond and a free first year's Associate Membership as he described the operation of a mechanical grade-indicator for contour plowing to win a student paper contest sponsored by the Southern California Section, ASME. The second prize winner surveyed fuel injection in automobiles.

Next stop for Swedlow and for Jan Arps, who finished second in the preceding contest held by the Caltech Student Chapter, will be the 1956 ASME Pacific Southwest Regional Student Conference. Here they will compete for prizes with students from eight other engineering colleges.

'Philadelphia Story' will be produced on May 11 and 12

by Mike Talcott

The annual production of the ASCIT play will be held on May 11 and 12. The Tech players will produce **The Philadelphia Story**, a comedy which won the academy award as a movie.

This hilarious play is about a very upper class family in Philadelphia and the trials and tribulations of their poor daughter who is about to enter her second marriage. On the eve of the wedding the hand of the girl is contested by three (3) men. The confused debutante can't choose between her first husband, played by Bob Huebotter; some tough reporter with a poetic heart, played by Larry Whitlow; and Herb Rauch, who oddly enough is her groom-to-be. The climax of the play comes when Larry Whitlow, while carrying the girl in question up a flight of stairs is accosted by Rauch

and Huebotter. But enough said, your guess is as good as mine as to which one wins the girl.

The cast includes four of the most talented and charming actresses ever seen in a Tech performance. Nancy Jo Sweeney takes the part of Tracy Lord, the prospective bride. Diana Beveridge, a sec at Tech, and Sarah Sweezy, daughter of Dr. Alan Sweezy, are Tracy's mother and sister respectively. Donna Havens plays the part of Liz Imbrie, a photographer working with Whitlow. All of these ladies will be interviewed in later issues of the **California Tech**.

The director of the play will be Dwight Thomas and the producer is Kent Clark. The ticket representatives are: Mike Talcott, Blacker; Ray Orbach, Dabney; Jim Welsh, Fleming; and Mike Godfrey, Ricketts.

Class dances set April 28

Saturday, April 28, the combined junior and senior classes will hold their annual Prom in the ballroom of the Huntington-Sheraton Hotel in Pasadena, while lower classmen will be at the Frosh-Soph Dance in Dabney Lounge.

The band of Dave Pell, the group which played at the ASCIT Christmas Dance last year, will provide music for the Junior-

Senior affair, while Hal Loman's orchestra, a familiar one at Caltech functions, will appear at the Frosh-Soph Dance.

Both affairs will start at 9 p.m., but the Prom will last until 1 a.m., the Frosh-Soph Dance ending at 12:30. Dress for the former is formal, for the latter, semi-formal, i.e., suits for the boys and party dresses for their dates.

Project XP-75 gives senior ME's chance to exercise creativity designing car of 1975

by Mike Milder

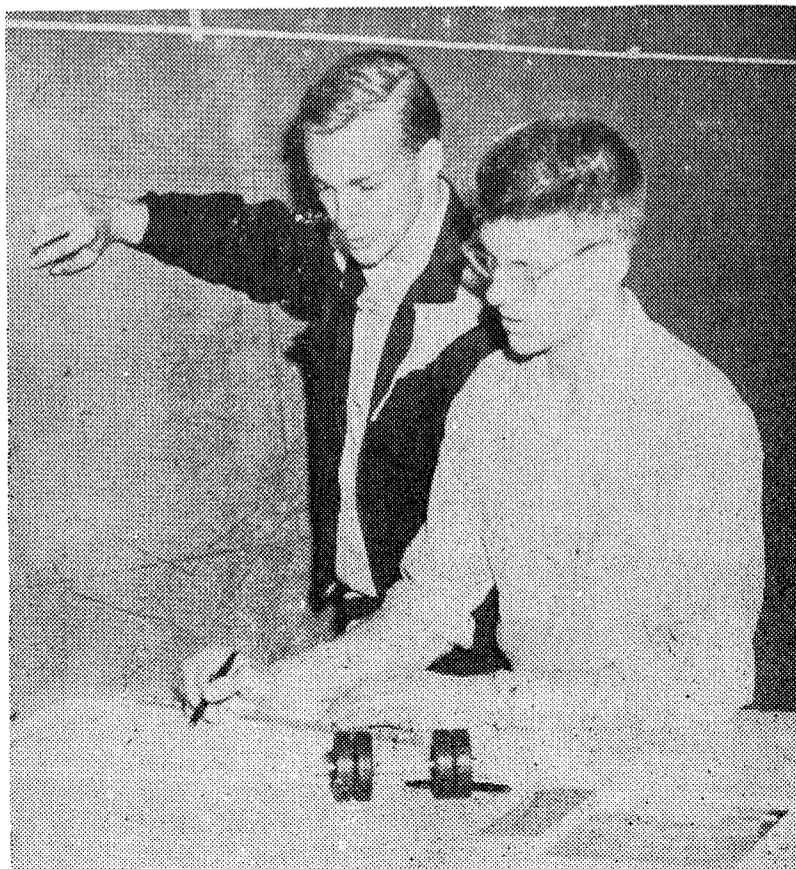
For the past term and a half, the Mechanical Engineering Department has been carrying on something in the way of an experiment in progressive education. The experiment has been designated Project XP-75.

Established "to develop the specifications for a passenger car for use on the super highways of 1975," the project is intended to provide an outlet for the creativity of a group of seniors in Mechanical Engineering.

About twenty students have been participating in the project, each spending an average of ten to twelve hours a week. The group is being supervised by Dr. Peter Kyropoulos, as Project Engineer.

The group was originally presented with the following major specifications for a passenger vehicle: carrying capacity, six passengers and baggage; cruising speed, 100 mph; maximum acceleration, 0-100 mph in 18 seconds. Control was to be automatic on freeways, and the design was to provide for maximum passenger safety and comfort. It was planned to complete

(Continued on page 6)



ME's Small and Benning and 1975's auto.

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DESEGREGATION?

Students might get voice in forming educational policies

by Vince Taylor

The Educational Policies Committee is rather a unique faculty committee. Conservatism, the essential ingredient of most committees, is lacking. The members are dedicated to progress—progress towards more effective education of the Caltech student. They don't always succeed in this effort, but they attempt it by developing original, progressive ideas on teaching methods and curriculum improvement. They spend about half their time in formulating the basic purpose of education, and in developing a liberal educational policy which will satisfy this purpose. Any positive ideas which they develop are referred to the Faculty Board. The Faculty Board is well qualified to furnish the conservative viewpoint, and they do. However, the EPC has carried enough weight to change the Sophomore Honor Section system to its present set-up. Another recommendation of theirs which will be put into practice next year is the use of staff members from other departments than physics to teach frosh and sophomore physics.

It would be only great to have students on this committee. It is the perfect committee for students. They wouldn't be fighting the faculty as they might in a tradition-bound group. More than that, they might even be able to contribute something of value. (Students do have some ideas on student education, you know.) It wouldn't hurt the faculty to have a few friends among the students, either, and this seems like a good way of making them. As I said, it would be great to have students on this committee. Well, it is just possible we may score on this point.

The matter was introduced into the Student-Faculty Relations Committee at the last meeting. The consensus of opinion was that student representation was desirable. However, don't let the consensus fool you; there were several faculty members objecting. These men probably represent the majority feeling among the faculty at Caltech. It's going to be tough and no kidding about it.

A subcommittee was appointed to draw up a plan for representation and to present all of the reasons for representation. Dr. Lanemuir, Dr. Clark, Dr. Mayhew, Frank Kofsky, Tom Bergeman and Vince Taylor are the members of the subcommittee. If you have any plugs to put in or monkey wrenches to throw please see one of us. This plan will be presented at the next S-FRC meeting. From there it will go to the Faculty Board where its fate will be decided. How they decide may depend a lot on how much the students say, what they say, and how they say it. I, for one, hope they say a lot, make it loud, and make every word count.

Secretary's Report

DABNEY HALL really will be open this Sunday from 2 to 10:30. CALIF. TECH RUNNING SLIGHTLY OVER BUDGET BECAUSE OF MORE NEWS. Dan Chilton, business manager of the Tech, reported to the board that the paper this year should cost ASCIT about \$1900 which is \$200 over the budget. For most of the year there has been enough of interest to warrant an eight page paper, and even one ten page issue at election time. However, the budget was set up on the basis of \$57 per issue. A six page issue costs about \$4 less than that, but even with the additional advertising an eight page paper will run \$65 per issue. For the rest of this term we will be reading a six page paper, but this is a question which you must consider when the budget is made up next month. Is a more newsy Tech with additions such as the PLAYBOY Play-girl (cost of engraving \$26) worth an extra \$8 per issue to the students?

YMCA SUMMER PROGRAM OF FROSH VISITATION. Baird Brandow, YMCA president, explained to the board that the Y contacted most prospective freshmen during the summer before they came to Tech. The Y Board wondered if—now that the program had proved its worth—ASCIT would like to assume responsibility of visiting the newcomers during the summer. This the board declined in view of the excellent job done by the Y in the past. However, at Brandow's suggestion to remove any appearance of house partisanship, a motion was passed whereby the board will nominate three men for the position of chairman of the Y Frosh visitation group, and the Y may or may not pick its chairman from these men.

LEADERS OF AMERICA. The Y has indicated that for financial reasons there may be only two men to visit the campus next year under their Leaders program.

Warren Furumoto was awarded an honor certificate.

The new election committee chairman appointed by the board is Bill Hecht.

Because of complaints the board will send a note to the Deans requesting that in the future all 11:00 classes be dismissed promptly at 12:00.

Campus Brewins

The Kidnapping

Blacker House was certainly disillusioned when John Conover, who in his capacity as social chairman bawled so loud about the Scripps pirate party, decided not to attend the brawl. Conover was treated in a typical buccaneer fashion by his buddies. He was jumped, tied, and carried to the nearest telephone in order to inform Susie Jo that he wouldn't be able to accommodate her that night.

John was rescued shortly however by old faithful Susie and the twosome returned to Blacker for some of the wildest room stacking seen this term. The Beak will spare the reader the gruesome details but there were eight incidents and it might have continued through the night had not Conover been induced to sleep by a cologne soaked pillow.

President and Board Party

In the life of a great man there is room for only one love. With Phil Conley that love is his stick.

Phil Conley met a tall blonde at the Frosh Tea Dance. He even tried to take her home. Now Phil doesn't go out on dates much so all his friends tried to

get him to take out this girl some more, but Phil was too bashful. Finally came the big day when Phil told one of his acquaintances, a Mr. H., who knew the girl, that he was thinking of taking her to the board party. Mr. H. said, "Oh?" It seemed that neither H. nor Phil had dates yet. Phil alternately pleaded and threatened H. for the phone number of the girl, Miss A. Finally H. gave in. Phil called A. She was gone for the weekend. He called back. She was sorry, but she already had a date—with Mr. H. Te justice.

Geologist Finds New Deposit

We have among us one who is setting out to conquer new horizons. No, it isn't Herlein trying to break another cross bar, but it is an all Interhouse football player and house veep. James Welsh gave up his geology pick and decided to take out a girl. She was fixed up at 4 p.m. on Saturday afternoon for the Ricketts carnival by a good kind friend but these things happen all of a sudden. And, wonder of wonders, she was a blonde blue-eyed doll who nobody (not even the good kind friend) had ever seen before. Be

that as it may, all that James had to say was "I'll never tell," with a big grin on his face.

Surprise!

Most astounding news of this or any other week comes from Fleming, where House Hero John Lukesh lost his—ah, room preference by fleeing across the Arizona border Saturday night with young Micki Hale. The only people surprised were the troops. An unofficial source from Dr. Mayhew's office said, "I knew all along they were going to elope and get married—at least I hope they're getting married!"

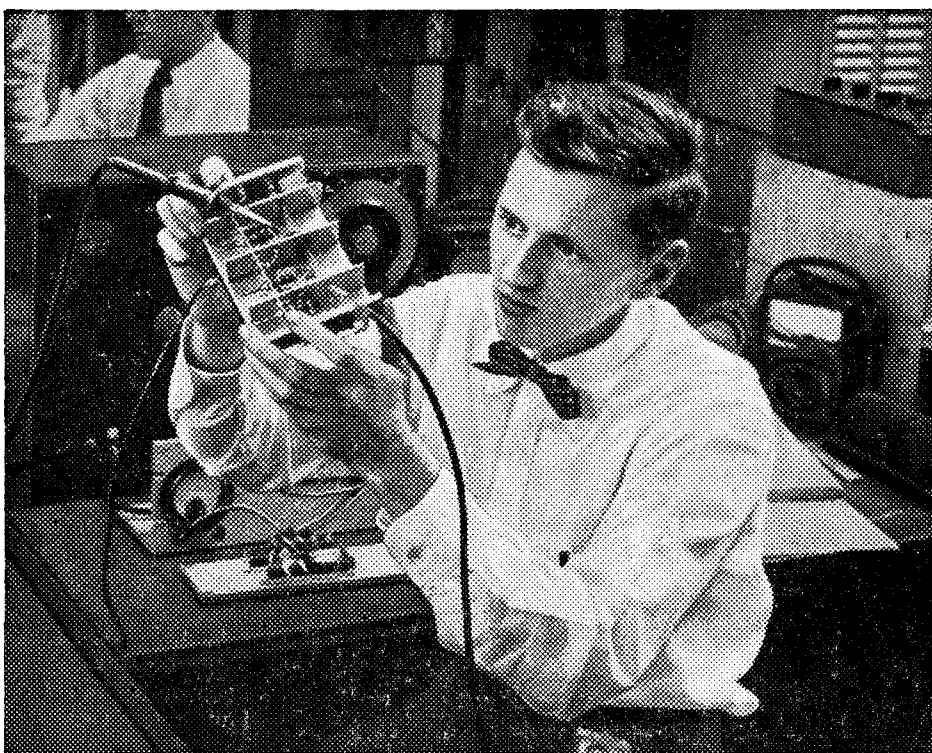
Subomphal Oscepsis

Local WCTU president Gene Stanley was very much in evidence at the Scripps Pirate Party. Going home with the boys, Gene squirms, takes his eyes off the road for some subomphal-osepsis. "Goodness gracious," quoth he, blushing prettily, "I didn't think she was—I was—goodness gracious!"

Colonel Minning

Juan Manuel Minning is passing around a sign up list for a Mount Wilson Road Race. His swastika-emblazoned Auto Union is the favorite by 6 to 9 odds.

A Campus-to-Career Case History



Winfield Giguere, here tuning the coils of an IF strip on an experimental FM receiver that uses the new high-frequency transistor.

"Our business is new ideas, new developments"

Winfield J. Giguere, or Giggs as he is known, graduated in 1954 from the University of New Hampshire with a B.S. in Electrical Engineering. Shortly after graduation he joined Bell Telephone Laboratories in Murray Hill, New Jersey.

"Experience has come my way in a hurry," says Giggs. "I've worked on carrier system amplifiers, speech transmission problems, and experimental types of coaxial cable. The Labs are always pushing ahead, trying new ideas, exploring new developments.

"For example, right now I'm working with 'the transistor that smashed a fre-

quency barrier.' This new transistor has a cut-off frequency of at least 500 mc and can be used to amplify 2500 separate telephone conversations simultaneously. It will make possible broadband, high-frequency amplification in many fields using subminiature components.

"There are thousands of other fascinating projects underway at the Bell Labs. You see, at the Labs our business is new ideas, new developments, and that's one reason why I like working here. It's exciting. If there are better ways to communicate, you can bet the Labs are looking for them."

Winfield Giguere is typical of the many young men who are finding careers in Bell Telephone Laboratories. Many other career opportunities exist in the Bell Telephone Companies, Western Electric and Sandia Corporation. Your placement officer has more information about these companies.



Bell
Telephone
System

Recent changes in draft law effect critical occupations

Several Techmen have inquired as to the validity of rumors concerning the draft law as it pertains to engineers and scientists. To avert misunderstanding the **California Tech** is presenting excerpts from the pertinent legislation.

The following is the list of currently essential activities and critical occupations released jointly by the Department of Commerce and the Department of Labor on March 2, 1955.

Activities: Production and maintenance of aircraft parts, ship and boat engineering, ordnance, precision laboratory instruments, electronic and communication equipment, production of chemical and allied products, water and sewage systems, health and welfare systems, educational services, research and development services.

Occupational Titles: Aircraft and engine mechanic, chemist, dentist, engineer professional (all branches), geologist, geophysicist, mathematician, microbiologist, physician and surgeon, physicist, teacher (college and vocational), veterinarian. The categories of chemist, mathematician, and physicist are limited to those having graduate degrees (master's or doctor's) or equivalent experience, education and training.

The following Selective Service Regulation establishes the procedure by which registrants are to be selected for enlistment in the special reserve program established by the Reserve Forces Act of 1955 for persons with critical skills. The Act provides that such persons may enlist for 3 to 6 months of active duty for training after which they would be transferred to the reserve for the remainder of their 8-year obligation.

1680.1 Authority of local boards

"(a) Local boards are authorized to select for enlistment in the Ready Reserve pursuant to the provisions of section 262 of the Armed Forces Reserve Act of 1952, as amended, registrants who have critical skills and are engaged in civilian occupations in any critical defense-supporting industry or in any research activity affecting national defense.

"(b) Local boards and appeal boards shall be guided by the then current list of critical occupations issued by the Secretary of Labor and the then current list of essential activities issued by the Secretary of Commerce.

1680.2 Request by Registrant

"(a) Any registrant who believes he possesses a critical skill which is being utilized in a critical defense-supporting industry or in a research activity affecting national defense and who is in Class 1-A may, if an appeal is not pending in his case and the period during which an appeal may be taken has expired, file a written request with his local board that he be selected for enlistment in a unit of the Ready Reserve under the provision of Section 262 of the Armed Forces Reserve Act of 1952, as amended.

"(b) The request filed by the registrant shall be accompanied by (1) a certificate of the registrant and his employer that the registrant has a critical skill which is being utilized in a critical defense-supporting industry or in a research activity affecting national defense; (2) evidence that the registrant has demonstrated by his academic record or record of employment, or both, that he has the capacity for and gives promise of performing the duties of the occupation requiring such critical skill with a high degree of competence, productivity, or creativity, and (3) a written statement of the registrant that after completion of his prescribed period of active duty for training he intends to return to his former employment or to enter employment in a critical defense-supporting industry or in a research activity affecting national-defense utilizing his critical skill.

1680.3 Action by Local Board After Receiving Request of Registrant

"(a) Upon receipt of the request of the registrant for his selection for enlistment in the Ready Reserve, the local board shall suspend any further processing in his case pending consideration of his request, except that if the registrant has not previously been found to be acceptable for service in the Armed Forces after an armed forces physical examination.

"(c) If the registrant has been or is found to be acceptable for service in the Armed Forces after an armed forces physical examination, the local board shall refer the registrant's request to the appropriate State Advisory Committee on Scientific, Engineering, and Specialized Personnel.

1680.4 Appeal From Determination of Registrant's Request

"(b) The local board shall notify the registrant and his employer by letter of any determination of the registrant's request by the appeal board or the President.

1680.5. Selection and Enlistment

"(a) A registrant who is selected under this part for enlistment in a unit of the Ready Reserve shall enlist in such unit within 30 days after a notification of his selection is mailed to him by the local board or within such longer period as may be granted by the local board.

"(b) Whenever the registrant's request for selection has been approved by the local board and no appeal has been taken, or whenever such request has been approved by the appeal board and no appeal has been taken, or whenever such request has been approved by the President, the local board shall notify the registrant and the office of the Armed Forces designated by the Secretary of Defense by letter that the registrant has been selected for enlistment in a unit of the Ready Reserve under the provisions of Section 262 of the Armed Forces Reserve Act of 1952, as amended, and that the registrant must enlist in such unit within 30 days after the letter of notification is mailed to him by the local board or within such longer period as the local board may grant.

"(c) Upon being notified that the registrant has enlisted in a unit of the Ready Reserve, the local board shall reopen his classification and classify him anew.

"(b) Whenever the registrant has been selected for enlistment but is not enlisted in the Ready Reserve within 30 days after the notification of his selection was mailed to him or within any such longer period granted by the local board, the local board shall process the registrant for induction in the normal manner.

1680.7 Reporting to the Armed Forces of Registrant's

Classical Music

Farewell to Wallenstein

by Jacob Lubliner

Last Thursday night and Friday afternoon Alfred Wallenstein led the final concert pair of his last season as music director of the Los Angeles Philharmonic. On Thursday night a sold-out house gave the orchestra and its conductor a standing ovation that lasted about four minutes and was punctuated by vocal cheers of the kind one usually associates with the football stadium. I am told that the Friday concert evoked a similar reaction.

The ovation on this occasion had three aspects. Most directly, it expressed the audience's thanks for a truly fine performance of Beethoven's Eighth and Ninth Symphonies, the latter with the assistance of the Roger Wagner Chorale and Soprano Dolores Mari, a newcomer to the local musical scene; Contralto Claramae Turner; Tenor Jan Peerce; and Baritone Donald Gramm. The Eighth had lightness, vigor, and drama—all in the right proportions. In the Ninth the first and third movements were outstanding; but the scherzo could have used a little more power, and in the finale the singing (in English) of the soloists was uneven, perhaps because of unfamiliarity with the translation. However, the reading as a whole had breadth, balance, and cohesion—making for a memorable evening indeed.

The cheers also took on the

nature of a bon voyage for the orchestra on its upcoming Asiatic tour. It is an effective bit of public relations (alias propaganda) to show the world that the Metropolis of Mediocrity can produce a first-rate ensemble devoted to the highest artistic standards, and I am sure the orchestra will more than make up for the usual Hollywood export.

But most significantly, perhaps, the prolonged applause represented a tribute to Wallenstein's accomplishments during his thirteen seasons as the Philharmonic's music director. There is no doubt that the ragged outfit which he took over in 1942-43 has since become one of this country's real major-league orchestras. While its strings do not radiate the bright warmth that has made the Boston Symphony famous, its woodwind section, as a whole, does not have the finesse of the Philadelphians, and its brass lacks the power of the New York Philharmonic—in discipline, clarity, and responsiveness the Los Angeles Philharmonic is the equal of any band in the land.

These qualities have been especially apparent in the orchestra's performances of the rich, complex scores of the nineteenth and twentieth centuries that challenge the virtuoso conductor. Such works as Berlioz's *Symphonie Fantastique*, Strauss's *Also Sprach Zarathustra*, and Bartok's *Concerto for Orchestra*

Discontinuance of Employment in Critical Activity

"(a) After completion of his prescribed period of active duty for training in the Ready Reserve, it shall be the duty of the registrant to keep his local board informed concerning his mailing address, occupation, and employment and to report to the local board in writing every change in his mailing address, occupation, or employment within 10 days after any such change may occur.

1680.6 Resumption of Processing of Registrant

"(b) Whenever a registrant who has completed his prescribed period of active duty for training and who has been transferred to the Standby Reserve is not employed in any critical defense-supporting industry or in any research activity affecting national defense, the local board shall so advise the appropriate office of the Armed Forces."

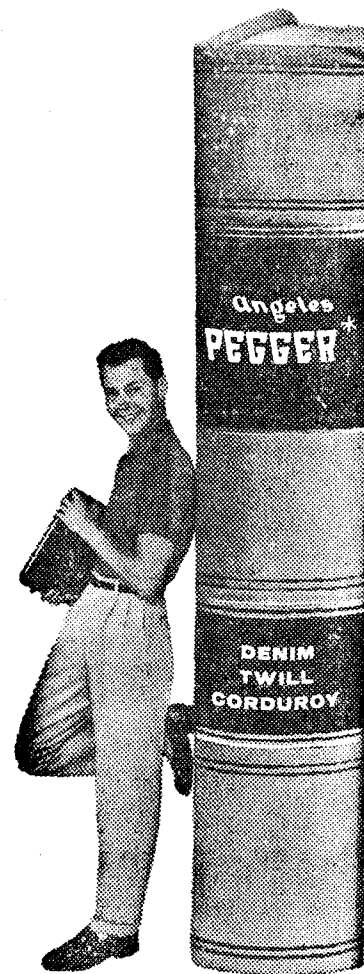
The Ready Reserve requires a meeting of one night a week and 2 weeks of summer training in camp each year. However, Executive Order No. 10651 provides for continuously screening units and members of the Ready Reserve.

For those desiring more complete information we offer the following sources of information: Selective Service System Operations Bulletin No. 18 as amended March 7, 1955 (defines each critical occupation), SSSOB No. 138 and Executive Order 10651 (for transfer to the Standby Reserve from the Ready Reserve) and Armed Forces Reserve Act as amended by the Reserve Act of 1955 (for what happens after the 6 months of active training). All the above sources are available at the local draft board.

have been among Wallenstein's greatest successes. He has also revealed a fine hand with the bright, transparent works of the Classical and early Romantic composers—Haydn, Mozart, Beethoven, Schubert, Mendelssohn.

It has been quite a different matter with music that requires interpretation beyond correct and brilliant playing: Brahms, Tchaikovsky, Sibelius, Shostakovich. Wallenstein's inability to communicate the full emotional depth of these composers' works has been his chief failing as a conductor—in direct contrast to his successor, Eduard van Beinum.

It is Mijnheer van Beinum's express ambition to make the Philharmonic "one of the world's finest." It should not be too difficult a job—thanks to Alfred Wallenstein.



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Sec's at Tech

by Trebor

It was 2:58 p.m. I was inside the Greasy Spoon, about to enjoy my fifth coffee break of the day (The Chief is good about these things). I was scanning the room trying to find the table with the greatest female population, when I observed my good friend and confidant, Joe Average Techman, sitting by himself in the corner and intently staring at the entrance. I walked over to the table and sat down. "What's the good word, Joey boy?" I asked.

"43 . . . 42 . . . 41 . . .," mumbled Joe, eyes still fixed on the entrance.

"41 what, Joe? What gives?"
"In 41 seconds Peter Pan is coming in."

"Oh," I said, focusing my eyes on the doorway too. "What's he coming here for?"

"Not he, you stupid troll, SHE!! Just shuddup and watch. Only 34 more seconds."

In exactly 34 seconds, the door swung open and in she walked. This was not quite the way my storybooks had led me to picture Peter Pan. Somehow the basic features, the configuration, the distribution, were different. And as the Frenchman so aptly put it, "Viva la difference."

I turned to Joe. He had a look of enraptured content on his face, and I noticed his horns had receded a bit. I attempted to question him, but I couldn't get through to him.

I waited till "Peter Pan" was through, and followed her outside. She walked briskly down the olive walk, and before I could catch up with her, she turned and entered the AFROTC office.

I went inside and saw her sitting behind a desk. "General Pan, I'd like to speak with you, sir—uh ma'am," I said, smartly saluting with my left hand (I've never been too coordinated with the right one.)

"At ease," she replied, her eyes twinkling. "What can I do for you?"

I noticed a nameplate on the desk with "MARGE STADLER" emblazoned across it. "Is that you, I asked?"

"That's right. I'm the ROTC secretary."

"Then who is Peter Pan?"

"Oh, that's just a nickname I picked up." She smiled a pixie-like smile, and when I saw her smoke-colored eyes twinkle again I knew why she was called Peter Pan. She even had a semi-pixie hair-do.

I told her what I wanted, and proceeded to bombard her with questions.

Marge told me she was born in New York, and did quite a bit of traveling in her school days. She graduated from a high school in Yuma, Arizona, but the lure of the big city and her love of a full social life brought her to Southern California. After working for a while with an insurance firm, she came to Caltech, in whose employ she has now been for one year.

Her outside interests, besides night-owling, include tennis, swimming, and art. She is presently taking a course in ceramics at PCC night school.

Marge's favorite vacation spot is San Francisco. She loves to spend her evenings in cozy intimate nightclubs, listening to jazz.

I then asked her for her impressions of Caltech students. Her answer was diplomatic, profound, and illuminating. Quoth Peter Pan, "No matter where you go in the world, including Caltech, there are men and there are boys."

I must here report that I neglected to find out whether it was the men or the boys that she preferred.

During the day, when she is not in the ROTC office, Marge



Peter Pan, i.e., Marge Stadler

can be found in the Greasy. Just look for a 5 foot 4½ inch light brown haired 21 year old girl.

And if you can't pick her out from the crowd, just look in the corner and see on whom my boy Joe A. Techman has transfixed his serene gaze.

ROOT MEAN SQUARE

by Bill Hecht

A small scale public opinion poll taken last week on campus yielded some interesting results.

Inasmuch as the race for the Republican nomination is going to be more a walk for Ike, a poll was taken to discover sentiments on possible running mates for the President. Frequently heard was the following comment concerning this poll ". . . isn't there anyone but Nixon?" At this point the name of Earl Warren was submitted so that people would have someone else to vote for.

The questions asked were: "If you were to vote today, who would you want to see win the Democratic nomination for President?" and "If you were to vote Republican, who would you like to see as Ike's running mate?" The option of voting on both was given.

- Results:
- Democratic—
 - Kefauver 19%
 - Stevenson 65%
 - Harriman 3.5%
 - Wm. O. Douglas 10.5%
 - Russell 2%
 - Republican—
 - Nixon 47.5%
 - Stassen 7%
 - Warren 39%

- Stratton 5%
- Sherman Adams 1.5%

The cross-filing system used to obtain the above information cannot be assumed to be a valid indication of the feelings of Democrats, because many Republicans claimed to be voting for the man Ike could defeat the easiest—so don't pack up your toothbrush and go home now, Estes.

Another poll was taken to determine the November outcome, but once again we caution you not to interpret these results as national trends. This question was: "Which political party would you like to see in possession of the presidency next January?"

- Results:
- Democratic 24%
 - Republican 76%

If this public opinion poll runs true to form of those taken by George Gallup over the years, we would not hesitate a moment to predict that our next President will be Senator Russell by a landslide. Of course, you must remember that Alf Landon did carry Vermont by a plurality of 850 votes.

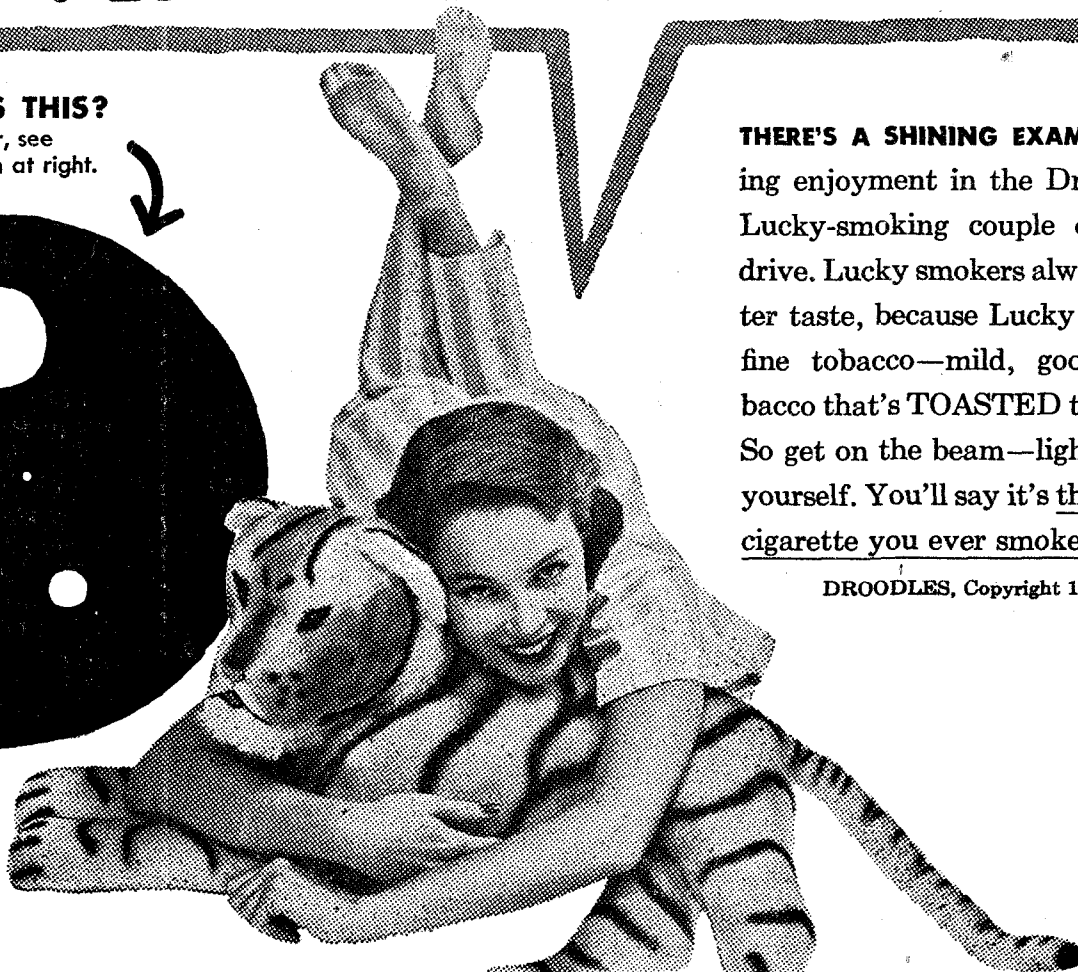
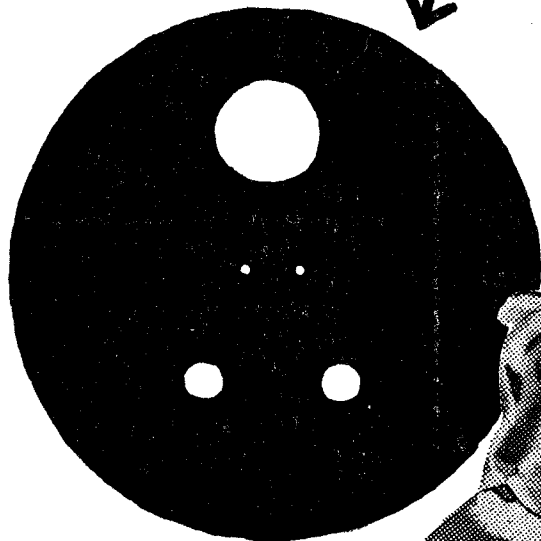
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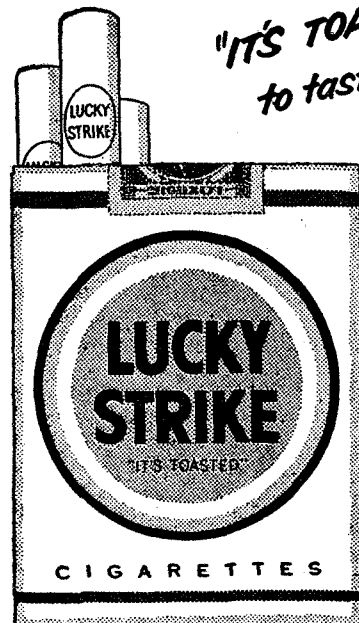
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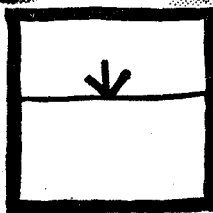
DROODLES, Copyright 1953 by Roger Price

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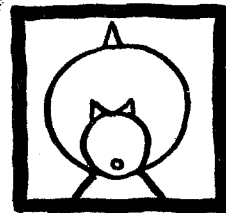


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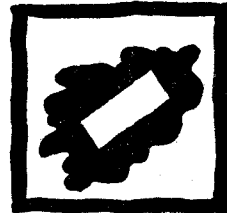
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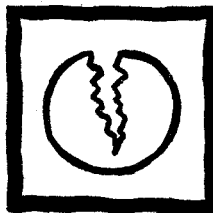
TEPEE AFTER HEAVY SNOW
Donald Shelby U. of Texas



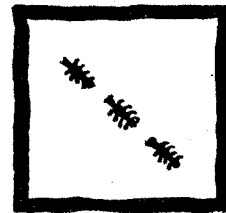
GRANDMOTHER HEADING FOR CHURCH
David Fortsch Idaho State



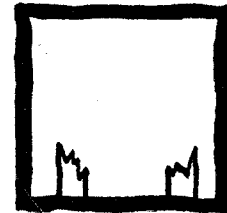
BIG INK BLOT; SMALL BLOTTER
Donald Knudsen Harvard



SEVERE EARTHQUAKE
Tom Rummel Yale



3-COURSE DINNER AS SEEN BY ANTEATER
Marcia Hanson Middlebury



GOALPOSTS AFTER FOOTBALL GAME
James Morgan, Jr. West Virginia U.

LUCKIES TASTE BETTER - Cleaner, Fresher, Smoother!

Caltech does well in first volleyball meet attempt

by Phil Conley

Caltech took her first fling at big league volleyball a week ago Wednesday. In the first annual Southern California Intercollegiate Volleyball Tournament at UCLA, we finished in a tie for fifth place out of eight teams. At first glance this doesn't seem outstanding but our showing was encouraging considering Tech was facing UCLA teams one and two, last season's national champions, USC, Oxy, Long Beach State, and California Medical Evangelists' teams one and two.

The team, consisting of Arne Kalm, Jim Ball, Bill Davis, Don Lewis, John Howell, Frank Schroeter, and Phil Conley, had heard about the tournament only a week before and the few practices were necessarily scattered because of their other sports commitments. They found an entirely different brand of ball played at the tournament than they had experienced in interhouse games. Playing very raggedly at first they dropped the first four games by good margins but improved steadily as they caught on to this "new game." In the fifth game against the eventual winners of the evening, UCLA No. 1, we led 13-10 but lost as UCLA turned on the pressure. However, in the last two games our boys were not to be denied, handily beating CME No. 1 and Long Beach State, the eventual second place team of the night.

The team was satisfied with their showing and had only wished they had started playing earlier in the evening. Although their height and experience were on the short side, Tech speculated that at the end of the night they were among the top teams present.

New innovations in the old game of volleyball learned by the team will undoubtedly be demonstrated during the coming interhouse season.

The remark of the evening was made by Don Lewis upon beating Long Beach. "They're even worse sports than we are."

Fullerton JC sinks frosh in weekend meet

The Frosh tankmen split in two non-conference meets last week. On Wednesday they decisively downed Pasadena City College 58-24, and on Friday the Beavers lost to a strong Fullerton JC team, 49-26.

Tech looked best in the 50 and 100; Elmer Sanborn took firsts in both events in each meet. Don Owings won the 200 breaststroke in both meets; and Mike Milder picked up a first against PCC and a second from Fullerton in the backstroke. Rounding out the Tech firsts, Bob Blandford took the 100 yard individual medley against PCC, and, after leading all the way, was nosed out in the 200 yard medley against Fullerton. This was his first attempt at the 200. Dick Mittleman placed first in the 220 freestyle, and second in the 440 against PCC.

Tomorrow, the Frosh go against Pomona-Claremont in what shapes up as the decisive meet of the Frosh conference. The meet starts at 4:00 in the Pomona pool.

Tech golf team ties strong Tiger squad

The Caltech linksters managed to tie a strong Occidental squad in their match last Monday at Annandale Golf Club. The winners for Tech were Pete Abbey, Pete Finley and Harrison Schmidt while Paul Lindfors, Wayne Kreger and Ed Schuster were less fortunate.

The Beavers' conference record now stands at one win, one loss and one tie. They will try to improve this tomorrow when they meet Pomona-Claremont on the Sagehen turf.

Interhouse Sports

by Tony Leonard

Interhouse football almost got into full swing last week but two contests were spoiled by rain. However, interhouse teams played three games before showers came on Thursday.

As of Monday night, Ricketts had two wins to their credit, one over Blacker and one over Throop. The most impressive victory went to Fleming as they beat Throop, 46-0.

In the Dabney-Throop contest, Pete Hoag took the ball for a 12 yd. ride for the only first quarter tally. In the second quarter, it was Hoag again for six. Dick Smisek scored the conversion. The second half saw Ron Leonard pass to Everett Eiselen for a 38 yd. touchdown play. Eiselen also converted. For the final T.D. play Eiselen flipped a pass to Hoag for a 31 yd. play. This time, Tom Plambeck grabbed a short pass for the conversion. The Dabneymen also scored two points on a safety. Final score: Dabney 29, Throop 0.

The next day, it was Ricketts pitted against Blacker. The men in maroon grabbed all their points in the first quarter as Ron Wann scored on a five yard run and then Phil Reynolds snagged a pass from Wann. Blacker scored their lone TD when Don Stern grabbed a pass from Ken Laws in the fourth quarter. Final score: Ricketts 12, Blacker 0.

Jim Welsh nabbed 26 points as Fleming routed Throop last Wednesday, six of them coming on a 42 yd. pass interception play. Glenn Converse also tallied six on an interception. Bob Moore had a 45 yd. TD interception play to his credit. He also took a pass from Converse for a 9 yd. TD play. The powerful Flemingmen took two points on a safety in the second quarter. Final score: Fleming 46, Throop 0.

Monday, it was Ricketts' turn to beat Throop. The Wann-Reynolds duo scored first on a 28-yd. pass play. Wann threw to Bill Hecht for the conversion. The Ricketts defense then scored on a safety. Later in the first quarter, Wann tossed to John Varaday for another six. Again, in the third quarter, it was Wann to Reynolds for 18 yds. and six points. Throop grabbed six points in the fourth quarter when Chuck Sargent threw to

Sagehens take 6-3 win over Beavers

Caltech's varsity tennis team dropped a conference match to the Pomona-Claremont Sagehens, losing 6-3 on the Sagehen courts. A sweep of the doubles matches gave P-C the win after the singles had been split 3-3.

Summary: Tom Jeter (P-C) def. Tom Hays (C) 1-6, 6-3, 6-4; Roger Megerth (P-C) def. Bob Tokheim (C) 6-2, 6-4; Dave Yount (C) def. Bob Wager (P-C) 6-3, 6-4; Clyde Smith (P-C) def. Bernie Mueller (C) 6-2, 6-3; Gene Barnes (C) def. Dave Bond (P-C) 6-1, 6-2; Al Poisner (C) def. Phil Van Pelt (P-C) 6-3, 7-5; Jeter-Morris def. Hays-Mueller, 9-7, 6-0; Megerth-Smith def. Barnes-Yount, 6-2, 6-4; Bond-Becker def. Poisner-Tokheim, 6-4, 8-6.

Rees breaks two records

Clarke Rees set two school records in his pet events Friday for Caltech's varsity swimmers, but the Beavers dropped a 53-31 decision to a tough Fullerton team Friday at La Habra.

Rees took firsts in the 200 yard back stroke and individual medley, breaking his own records in both events. Bill Davis was the only other first place winner for Tech, taking the 200 yard breast stroke.

Tomorrow the Beavers travel to Claremont to meet the Pomona-Claremont Sagehens in their second conference dual meet. Last season the Sagehens won the conference swim meet.

Nervous netters knocked, 0-9

The Frosh netmen were soundly drubbed in a conference match against Pomona-Claremont, 9-0, Saturday afternoon. All individual matches were decided in straight sets, except for first singles, where Frank Cormia was defeated 4-6, 6-4, 6-4.

Play in the conference is suspended until May 5, when the Frosh will meet Oxy at Caltech.

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The Cool Corner

by Frank Kofsky

Swinging Sounds, Shelly Manne and His Men, Volume 4, a Contemporary LP (C 3516) featuring: Charley Mariano, alto sax; Stu Williamson, valve trombone and trumpet; Russ Freeman, piano; Leroy Vinnegar, bass; Shelly Manne, drums.

With the exception of Charlie Mariano's alto replacing the tenor of Bill Holman, the group on record here is the same one which gave an assembly on campus last November. Despite the fine showing of the Men at their Caltech debut, I feel that this new release is even more flattering to their individual and collective talents.

All of the faces of the Men are familiar to jazz followers. Both Mariano, Freeman and Manne national prominence as featured soloists with the Stan Kenton crew. In addition, Williamson, from time to time, has been a (recording) member of Howard Rumsey's Lighthouse All-Stars. Russ Freeman has worked previously with Chet Baker's quartet, and before that, with Shorty Rogers' Giants. Manne, of course, needs no further introduction, having won every drumming award worth winning at one time or another.

Most of the numbers which the Men play are jazz originals, Mariano, Freeman and Manne all making contributions to the score. Definitely, all of the solos swing, but they are enhanced by extremely clever arrange-

ments featuring some seldom-encountered (in jazz) musical devices. On the whole, as Andre Previn, who wrote the album notes, put it, "All of the Men are members of the wailing school," and I feel the album title is quite apt.

Bud Shank Quartet, a Pacific Jazz LP (PJ 1215) featuring: Bud Shank, flute and alto sax; Claude Williamson, piano; Don Prell, bass; Chuck Flores, drums.

By a strange coincidence, this group, with the addition of Bob Cooper's tenor sax and flute, also gave a concert at Caltech recently, the results of which will be released as a PJ record some time this summer. However, the record at hand spotlights the Quartet alone.

To refresh your memory, both Shank and Claude Williamson are ex-Lighthouse Allstars, and to stretch a coincidence even further, Stu (see above) and Claude are brothers. Prell boasts of a symphonic background with the Salt Lake Symphony Orchestra, and Flores was long-time drummer for Woody Herman's big band.

Davies speaks at lunch club

On Tuesday, April 24, Professor Davies of the political science department will address the Y Undergraduate Lunch Club on issues and candidates in the 1956 elections. The following week Dr. Charles Richter, professor of earth science fiction.

On Wednesday, April 25, Mrs. Betty Hansen of the Pasadena Planning Commission will speak to the Graduate Lunch Club on the subject "Pasadena's Growing Pains." The following week Dr. Richard Feynman, professor of theoretical physics, will speak on some observations concerning religion and science.

The two succeeding weeks Grad-Fac listeners will have an opportunity to hear representatives from both major political parties speak on the issues in the coming presidential election. Wednesday, May 9, Mr. Robert Finch, a Los Angeles attorney and executive secretary of the Republican Associates, will speak on "California's Political Problems—a Republican View." May 16, Toby Osis will present the Democratic point of view.

PROJECT XP-75

(Continued from page 1)

a preliminary layout of the vehicle, including all basic components, and later to construct mock-ups and working models of the more interesting and promising features. To this end, the project has been organized into separate groups for styling, safety and passenger compartment design, space conditioning, power plant, guidance and control, electrical and mechanical, and chassis, steering and suspension, each group maintaining a constant liaison and close cooperation with the rest.

The work second term consisted of the development and evaluation on paper of the many ideas and schemes for the design of the vehicle. Some of the probable advances in allied technologies by 1975 were taken into account in these considerations. Passenger safety was considered of prime importance and given top priority.

While the present project will terminate with the graduation of its members this June, similar future undertakings may be established, perhaps even in other options, if the method proves its educational worth.

ASME meets here

About 150 mechanical engineering students from nine colleges in four states will be on the Caltech campus for three days during the first week of May to participate in the 1956 Pacific southwest regional student conference of the ASME. The conference will begin on Thursday, May 3. Attending students will present technical papers, investigate the campus, and visit the attractions of Los Angeles during the conference.

Colleges sending delegations include: University of Arizona; University of California (Berkeley), University of Nevada, University of Santa Clara, University of Southern California, and Stanford University.

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Cavitation damage demo lecture topic

"Cavitation and Materials Damage" will be the title of this week's Friday evening demonstration lecture. The lecture will be given by Dr. Albert T. Ellis, senior research fellow in engineering, in room 201 Bridge at 7:30 p.m.

Dr. Ellis will describe a new laboratory method for producing cavitation damage in which the test specimen has no mechanical accelerations applied to it. This process is observed by ultra-high speed photographs, taken at rates as high as 1,000,000 per second. Photoelastic pictures have provided a direct measurement of pressures produced during cavitation bubble collapse.

Dr. Ellis is a graduate of Caltech, received his M.S. in 1947 and his Ph.D. in 1953. He has been a member of the staff since 1954.

BRIGGS SPEAKS

(Continued from page 1)

by Illinois and Michigan. However, Socialist votes have always had effect in that the number of our votes cast usually determines the amount of social legislation passed by the administration which is elected."

Briggs then commented on the social status of a member of the Socialist Party: "He is looked on in some instances as not being a 'good American.' Some workers have lost their jobs because of membership in the Socialist Party; however, most of these cases have been taken to courts of law in which we have invariably won."

When asked why and how he joined the Socialist Party, Briggs replied, "In the 30s, I looked around me at the economic chaos of the depression and sought an answer. I joined the Young Socialist League and have been affiliated with the socialist movement ever since."

On Thursday, May 3, two members of the Communist Party will speak in Dabney House, the second group of speakers sponsored by the Open Forum. Dave Gilson, John Lango, and Don Pinkerton are the planning committee of the Forum.



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