Eight Caltech men awarded Fulbright educational grants

Five students and three research fellows at Caltech have been awarded Fulbright exchange grants under the Fulbright Act for the 1956-57 academic year. All will study at institutions of higher learning in Europe. They are:

- Robert F. Jens of Somers, N.Y.
- John V. Kristensen of California
- Harry E. Williams of Santa Barbara
- John J. Wolfe of San Francisco
- Stanley Grotch of Groton, Conn.
- Arne Rafl, a graduate student in civil engineering, will study at the Technical University of Denmark.
- John R. Stedman, a graduate student in mechanical engineering, will study at the Swiss Federal Institute of Technology.

The Fulbright program is sponsored by the United States Department of State. All students will return to Caltech after completion of their studies.

(Continued on page 4)

Three top chemistry seniors will continue their educations in history, law, medicine

by Mike Milder

Next year three of Caltech's top seniors in the chemistry option will further their studies at various Harvard Graduate Schools. The surprising fact is that these three students, having performed so well in their studies in the field they have pursued at Caltech, are also diverse in other interests.

Howard Berg, Tom Bergeman, and John Young will all receive degrees in chemistry at Caltech and afterward will depart to pursue higher studies in the fields of medicine, history, and law.

Berg will journey to Copenhagen for a year on a Fulbright Scholarship to study biochemistry at the Carlsberg Laboratories before entering Harvard. He tentatively plans a career in Danish medicine. Bergeman will enter Harvard graduate school to study history, with a view of teaching in that field. He plans to make a career of government work, most probably in the Foreign Service. Young will also enter Harvard to study law. He would like eventually to establish a private medical practice.

Berg, Bergeman, and Young are perhaps the three most talented seniors in the chemistry option this year. All three have been active in student affairs since they came to Caltech; they have come to realize that science is but a small part of the total experience a student can have at Caltech. They have developed an interest in human affairs to the extent that science now seems to them a little too narrow and unrewarding. They desire careers in which they can feel their work has more immediate significance to human affairs.

All three men affirm that their participation in extra-curricular activities has gone far in developing this interest in human affairs. They add that, except in the case of Berg, who switched from physics to chemistry when he decided to study medicine, their mutual choice of the chemisty option has been crucial.

The three were asked if they now felt they had been wasting their time in extracurricular activities at Caltech. All answered that the opposite was true. They all agree that extra-curricular activities are an important and valuable part of a modern liberal education. Bergeman and Young added that the curriculum, as presented on page 4.

Russ Pitzer gets TBPI frosh honor

Russ Pitzer was elected to Tau Beta Pi as the chairman of the year at the last meeting of the Caltech chapter. Officers for the coming year will be Mike Edel, president, and Russ Pitzer, vice-president. A discussion of administrative business was also conducted.

Pitzer, as frosh vice president, will be responsible for the annual Spring concert and a faculty advisor. He will handle all book orders and student officers will serve as judges of the annual Tau Beta Pi convention and a faculty advisor. The meeting also decided to eliminate the annual Tau Beta Pi convention and a faculty advisor. Pitzer, as frosh vice president, will be responsible for the annual concert and a faculty advisor. He will handle all book orders and student officers will serve as judges of the annual Tau Beta Pi convention.

(Continued on page 4)

Lost Weekend festivities to include dances, beach party

by Dave Leeson, ASCIT First Rep

This year's Lost Weekend festivities will get under way tomorrow with the arrival of the 550 Caltech students who have registered for the event.

Representing several months of planning and arranging, the Lost Weekend includes no less than eight separate events and features the overnight lodging of more than 1000 students in the Student Houses. Spotlights will be placed on the highlight of the weekend, a two-day, one-night party, which will feature a variety of activities and a beach party.

(Continued on page 4)

Debaters present exhibition debate

Young added that the curriculum, as presented on page 4.

IRE elects Rauch, Soux and Marshall

"We should like the IRE to become as active as the other student engineering affiliations on campus," said Percival Kalm, newly elected chairman of the Insti­ tute of Radio Engineers Student Section. Officers besides Rauch include Louis Soux, secretary-treasurer, and Bob Marshall, program director.

The IRE's schedule for next year, presented to the assembly, includes talks on color television and on hi-fi components.

Harry Martel, faculty advisor, stated that, "Both the IRE and the AIEEE offer the students opportunities to find out what engineering is like."

Caltech Glee Club will present annual Spring Concert Friday

Caltech's Glee Club, under the direction of Olaf Froodham, will produce their annual Spring Concert Friday in Colliseum. Admission to the concert, which is being held in conjunction with Lost Weekend, is one student body card for a student and date, $2 for the general public.

**Discussion of ASCIT Budget**

by Bob Walsh

I would like to call attention to the breakdown of the current year’s budget which appears on this page.

The sum of $5.50 which the Athletic Department receives per student is arrived at by asking student members of the student body to attend athletic contests, both at home and away. The money raised at the Caltech v. Cal contests was seven football games and sixteen basketball games. The income from the contests was several basketball games, which was $275. From the basketball games was added $10. We will have enough calculations, however, on some $25.

Although as many as three or four hundred undergraduates may attend a home football game, it is estimated that there are rarely more than 25 loyal souls at a non-conference game. The idea is to make just as many as possible. The money was admitted free. We will have more calculations, however, on some $25.

The Interhouse Food Committee experiences success, failure

Dave Tanney

The Interhouse Food Committee was first established last year to act as a clearing house for student complaints about the food. It was continued this year with an eye to reducing the number of complaints. The idea of operation is simple. A man with a complaint takes it to a member of the committee. The committee then sets up a meeting and a member of the committee will have the printer design the pages.

1. Wouldn’t it be reasonable for the Big T to put out fewer pages of better quality instead of the present wealth of the material? Also it is no more difficult to have pages typeset? I know that it is poorly prepared and not worth the paper it is printed on. I have seen some of the comments which are supposed to represent the facts we have given. How are we justified in buying supplies for second and third-year lettermen when we give out letters for second and third-year lettermen without a clear idea of the facts we have given.

2. Should we contribute $60 per man to an activity which is already heavily subsidized by the Institution? (Yes, debate.) It has been said that the Institution will cut its subsidy if we cut ours. This is not true. We have not always had a team, so we don’t have enough intramural value to merit support according to Athletic Department standards.

3. Are we justified in buying expensive jackets and blankets for second and third-year lettermen when we give out letters for second and third-year lettermen without a clear idea of the facts we have given.

4. It is understood that student delegates shall not vote, but may take a vote on a given topic and take the decision.

5. Insofar as the faculty might not otherwise consider, it is further understood that the faculty members, unless the need arises, may meet without student participation.

6. It is understood that student delegates shall not vote, but may attend a home football game. The idea of operation is simple. A man with a complaint takes it to a member of the committee. The committee then sets up a meeting and a member of the committee will have the printer design the pages.
Hybrid Music: The Lively Arts

by Frank Koblischke

Fontessa, The Modern Jazz Quartet, or Atlantic 15521 (12” high quality recording, containing three recordings: '5076.' '5057, '5075."

The very absence of a born among their instruments requires that the music of the Modern Jazz Quartet (or MJQ) be something unique. Rather than thinking of the MJQ as compensating for this absence, I prefer to think of them as taking advantage of their situation to present jazz in a fresh and expressive manner.

All four members of the MJQ are talented soloists, but they have sublimated their individual talents towards producing en- semble efforts which are outstanding for their continuity and integrated sound; they have rendered the sum of the parts greater than the whole.

But cohesiveness in a small group, while pleasing, is not sufficient. There must be compositions and arrangements which are original and unacknowledged. This fact has been tacitly acknowledged by the MJQ, and there are many times when they step out of what is usually regarded as the domain of jazz to introduce an unusual concept. Such a time occurs in John Lewis' composition, Fontessa, also the title of the album, a piece inspired by the Renaissance Commedia Del' Arte. Fontessa is a programmatic work (one which tells a story), one of the few written in jazz, and is 11 minutes in length, roughly three times as long as the average jazz composition. In writing a successful jazz composition utilizing classical form, the MJQ has completed a successful tour de force on two levels.

Although they may sometimes be restrained in their interpretation, the MJQ exists only to play their concept of jazz, a most stimulating one. They have demonstrated that it is possible to produce mature creations with out losing sight of the basic criteria of jazz: "does it swing?"

From my own personal experience I can say that this album, their newest and finest, will be appreciated by all who enjoy good music.

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WHAT'S THIS?

for solution, see paragraph below.

PINE WOODS AT CHRISTMAS

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WORK ENTERING SHAVING-CREAM TUBE

Robert J. Yule

LUCIES TASTE BETTER - Cleaner, Fresher, Smoother!

by Bill Hecht

Techmen advised to fraternize with school Placement Service

Due to the vast abyss that exists between student and prospective employer, it is a great advantage for a Techmen to be well acquainted with the functions and operations of our Placement Service. The three primary functions of the Placement Service are: 1) to secure part-time and summer employment for students while in school; 2) to aid those persons receiving degrees in finding permanent positions; and 3) to give dissatisfied and unemployed alumni an opportunity to explore other sources of employment.

In order to find part-time jobs for students, the Placement Service keeps a card file containing the names of persons desiring all types of work so that the job can be filled properly. The most common types of part-time work are baby sitting, gardening, and tutoring. The procedure for obtaining summer jobs through the Placement Service is similar to that for securing permanent positions, but in addition to this, catalogues are kept containing the names of firms where an undergraduate can do semitechnical work in cities all over the country. Frequently, this gives the student an opportunity to work in his home town for the summer and gain valuable experience while doing so.

Schedules for the interviews concerning both permanent and summer positions are printed in the California Tech and posted in Throop. Students are not required to fill out the lengthy applications companies usually ask for, but instead make out one small standardized form of which one carbon copy is necessary for each interview.

"Doc" Clark, Director of Placement, has stated that a surprisingly large number of alumni are unaware of the fact that the Placement Service offers them the opportunity of looking into the possibilities for more attractive jobs. In rendering this service much care is taken in insuring that the alumni's employers will not become aware of his (Continued on page 6)
**Doubled and Regained**

*by Bunchick*

The results of the National Intercollegiate Bridge Tournament, held at the Tournament Club of America, Los Angeles, are being released. There's something that goes through the minds of all those who played at the tournament, and it seems that some of our boys did very well. We were particularly pleased with the showing of John Howell and Don Seldeen, who placed second barely squeezed out of first place. The hands for this tournament were held at 2 p.m. on May 27, 1952.

The following account is that furnished by the committee for the National Intercollegiate Bridge Tournament:

"Declarer, on getting the lead, lays down a top trump and discovers the bad split. Since he must lose a diamond, a club, the only chance for game is to hold South to one trump trick. The only way to do this is to strip the South and East hands exactly three trumps each; then the declarer should push South in and compel him to lead trumps back into a major tenace."

"To strip the hands, declarer must shorten his own trumps by ruffing two diamonds, and must get into dummy/twice with hearts to lead diamonds for that purpose; he must also knock out the club ace, and get all three rounds of hearts and diamonds by the use of the way. If South can ruff any of these rounds, this is lost—but then it may never be called for.

"As the cards lie, this plan cannot be defeated. Even if the declarer fails to start with two rounds of diamonds, giving East a helpful ruff, declarer can get his two ruffs by faking his diamonds promptly after discovering the bad trump trick.

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**The Sports Corner**

**by Dick Van Kirk**

Ed Preissler's baseballers ran into a little bit of rough luck last weekend, losing a real thriller on a cheap hit in the ninth. Aside from Ray Newman, who pitched his usual good game, the pair who kept Caltech in the game with their excellent defensive work and offensive maneuvers were Chuck Norman and Don Stocking. Norman really sparked in the field, roaming all the way from behind third base to short center field to stop potential hits. Stocking was the sparkplug of Tech late-inning rally, and only a bad bounce kept him from stopping the game-winning hit with a diving attempt. Jim Koontz made some good stops of wild throws at first base to cut down Oxy runners.

The swimming team ran into some misfortune on Saturday, also. Their loss certainly can't be blamed on Clarke Rees, however. The sophomore flash only set new meet records in both of the individual events he entered and helped break another record in the relay.

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**Frosh Sports Roundup**

by Brent Banta

**SWIMMING**

Four new conference records were set in the Frosh swimming finale held at the Caltech pool last Saturday, and a fifth was tied, as the men from Pomona-Claremont/generally sank all competition by a 41 point margin. The winning team was the relay team of Mike Miller, Don Owings, and Keith Brown, which took second; Keith Brown, who placed second in the 100 yard freestyle, Bob Hamborg, with a second in the individual medley, Don Owings, who garnered a second in the breaststroke, and the freestyle relay team of Keith Brown, Bob Hamborg, Dick Mittleman, and Norm Velinty, which also placed second. Even with this steady work, the junior Beavers were only able to net a close third behind Oxy and Pomona-Claremont.

**BASEBALL**

After a smoothly played 7-1 win over Pasadena Nazarene on Tuesday, the Frosh baseballers dropped a one sided 166 contest to Occidental on Friday. In the first contest, Kelley Kelley had a no hitter going into the final inning, when the opponents got to him for two hits. The second contest, played at Occidental, turned into a real slug-fest for the Bengals. Fred Newman was the starting pitcher for Tech, and he was relieved by Kelley Kelley. In the final inning Kelley lost control and allowed it run to cross the plate by dint of several walks.

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**Spring grid drill begun**

Spring football practice got underway last week at Caltech, as Coach Bert LaBrucherie sent 20 of his charges through conditioning drills and play-learning sessions.

Despite the loss of several athletes to other spring sports, LaBrucherie hopes to make his footballers as familiar as possible with the combined split-T-double wing offense Caltech will use this fall.

Seven returning starters will bolster the squad, along with several other returning lettermen.

**Golfers win again**

Wayne Kregger shot a 73 to lead the Caltech golfers to a 354 win over California Baptist last weekend at Los Cerritos Country Club. Paul Littrell and Ed Shuster, with rounds of 73 and 72, were other high scorers for Tech.

Tomorrow the turfers compete in the conference tournament to be held at Brookside Park, Tech's "home" course.

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**Interhouse volleyball**

by Tony Leonard

Led by Arne Kalm, the Dabney powerhouse volleyball team meets probably its toughest foe of the season, Fleming House, in the gym today at 4 p.m. Dabney will sorely miss the services of left fielder Hal Morris. Morris severely twisted his ankle when he tripped over the first base bag as he beat out an infield hit against Oxy.

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**Bengals take tight victory over Caltech horseshoes**

Occidental's baseball team moved within one-half game of Caltech by whipping the Beaver diamond men 3-2 at Tournament Park last Saturday.

Ray Weyman, Caltech's flinger, and Dick Sovde, Tiger pitcher, set down opposing batters effectively in the first four innings.

In the fifth Oxy got two men on base, and with two away Sovde smashed a solid double into left center field. The blow was responsible for two runs, and the Tigers led until the bottom of the seventh. In this inning the Beavers put together three hits with an Oxy miscue to tie the score.

The ninth inning was exciting all the way. Oxy pushed across a single run in this frame when a ball hit to the right side of the infield scooted over second baseman Don Stocking's arm as he made a fine diving try for the ball.

In Caltech's half of the inning Chuck Norman drew a walk, and two down. Jim Koontz, the next batter, grounded to third to end the threat and the game.

The current league leaders finish the season on Saturday. Caltech will be entertained by Redlands, and the Bengals will meet Whittier.

The Beavers will sorely miss the services of left fielder Hal Morris. Morris severely twisted his ankle when he tripped over the first base bag as he beat out an infield hit against Oxy.

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If you are between 19 and 26½ years of age, investigate your opportunities as an Aviation Cadet in the U. S. Air Force. Priority consideration is now being given to college graduates. For full details, write to: Commander, 3500th Recruiting Wing, Wright-Patterson Air Force Base, Ohio.

*Based on pay of married 1st Lieutenant on Wright-Patterson Air Force Base, Ohio.
Alumni group admits seniors

The Caltech Alumni Association is now admitting to membership those applicants who are receiving degrees this June or who are otherwise leaving the Institute in good standing.

Arrangements have been made by Charles P. Strickland, former ASCIT president and alumni director in charge of membership, to provide information for those who are interested in joining and to accommodate the annual flood of applicants as expeditiously as possible. This is being handled by authorized representatives from the senior class who are available to both resident and non-resident students.

Graduating seniors and other qualified persons who are interested in Alumni Association membership should contact Myron Black in Blacker House, Louise Fletcher and Howard Berg in Dabney House, John Myers in Fleming House, or James Higgins in Ricketts House. For off-campus men, John Moser, Richard Johnson and Phil Conley.

CAMPUS BARBER SHOP
In Old Dorm
Where Everyone is Welcome
Paul A. Harmon

PLACEMENT SERVICE
(Continued from page 4)

Interest in new jobs.

In addition to these functions, the Placement Service keeps extensive statistics on salaries, types of employment taken, geographical job distributions, etc. This information is published and is available to interested students. It is worth while for a student to be aware of these opportunities and free to take advantage of them.

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