Caltech students take to road for Mobilgas economy run

With final exams finished a week early, 46 Caltech students will take off Sunday night on a unique campus activity: acting as American Automobile Association observers on the 1955 Mobilgas Economy Run to Colorado Springs.

The 22 automobiles entered under A.A.A. supervision for the lowest gasoline consumption. Course work prior to the run will include late average highway driving conditions and to show the public how the cars use the least gasoline.

According to professor Peter Kuenzi of Jet Propulsion Laboratory, observers will fly back to California for the run.

Caltech men are used as observers by the A.A.A. because of their expertise. Observers' results were chosen by lot from a list of applicants. Squad leaders who did preliminary work on the run are automatically picked for the job.

The observers will work in pairs, two men in each of the 22 cars. Two men will go as alternates in case of sickness.

Admissions Mill begins to grind as the deans select next year's freshman class

by Bob Deffeyes

Do you remember the day you took the College Board Exams? Next Saturday hopeful high school seniors will take College Board Exams in order to get into Tech. From the results of this test, the deans will select those who are eligible to compete for admission. The results of the interview and the results of the aptitude test will be used by the deans to determine whether they want to accept a student or reject him. The deans have a large deposit upon notice of acceptance. Students would not have to pay anything in advance of acceptance. Students would have a chance to place an application to come until after a given date. Students would have a chance to place an application to come until after a given date.

Dean Eaton, Conley, Berg will attend college convab at MIT

Phil Conley, as ASCIT president, and Howard Berg, new vice president, have been selected to attend, along with Dean Eaton, to the MIT conference on "in American Colleges" March 25 to 27 in Cambridge, Massachusetts.

Selected students from all sections of the country will attend the three-day meeting sponsored by the MIT undergraduate body.

The purpose of the conference is to inform students of its national problems and to provide a forum for them to discuss their particular local problems and their approaches to them. Discussion and segregation on the campus will be unstructured. A large majority of problems have not risen at Tech, Conley and Berg hope to provide a means for solving problems as well as on the conference topic.

Keynote speakers will be Dr. James R. Killifill, Jr., president of MIT, and Dr. Frederick May Eliot, president of the American Association of University Colleges. Also on the program for Thursday are: Howard Berg, president of the American Student Association; Arthur R. Moser, president of the American College Union; and Myron Black of Blacker, Riley Jaschke of Fleming, Jim Higgins of Blacker, and Bob Kausen of Dabney, president of the Blacker Student Council.

Tau Beta Pi initiates nine at steak feast

Tau Beta Pi, honorary fraternity, initiated two seniors and seven juniors at its convocation elected Monday. A steak dinner in Montgomery's Steak House elicited the proceedings.

Dr. Richard Feynman addressed the organization at the dinner, speaking on his experiences at Los Alamos. A short humorouc skit, with new ingredients, was also on the evening's entertainment.

Initiates are selected on the basis of scholastic standing, creative hobbies, and personality. Tau Beta Pi is a national honor society for engineers and scientists, analogous to Phi Beta Kappa, which is similar function in other fields.

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Initiate election is conducted twice a year.

Beavers elect new officers

Next year's officers were elected last Thursday at a meeting of active members of the Tech service organization. President for next year will be Lyman Millard, Berkeley, with Myron Black, vice president. Jerry Crocker will serve as secretary-treasurer and Jack Kassen as treasurer. Some of the new members were chosen at the meeting, others will be announced in the near future.

The outgoing officers are: Ralph Miles, president; John Merrill, vice president; Curt Schulze, secretary; Rod Supple, treasurer.

Student house and Throop Club pick officers to lead them for coming year

Myron Block of Blocker, Riley Jaschke of Fleming, Jim Higgins of Blacker, and Bob Kausen of Dabney are elected presidets of their respective houses at elections held during the past week. Full slates of other house officers were also chosen. Dabney held its election last night, too late for the results to be included in this issue of the paper. In the Blacker elections Black defeated Pete Recklin and Joe Gibbs. Recklin was then nominated as secretary-treasurer. Joe Deffeyes beat six other candidates to win the election for treasurer. Other candidates for these posts were Robert Berkman, who were elected to office include Jon Harford, Dean Eaton, and George Hall, co-scholar chairman, club secretary, and Joe Freeman (Continued on Page 4)

Tech jackets here; available Friday

The official Caltech student body jacket, which was ordered late last January, will be distributed tomorrow in the student house. The jacket will be made in each house to give further details as to where the jackets will be available. Those who ordered them should be able to own them for a total of $12.00 when they pick up the jacket. According to ASCIT athletic manager Phil Conley, those who didn't order their jackets before Friday will have a chance to place an order at the beginning of next term.
A timid protest

Two recent events, one national, one local, show that our ideals of free press and free speech have another battle. They were crushed a little more last week by that powerful titan, National Security.

The first blow came when the New York City Postmaster announced that postal authorities were destroying most Soviet newspapers from communist Russia. It came even closer to home a few days later when one outraged student house meeting the consensus was that although the reasonable demands of the student house were made and signed, it was still an outrageous act. The feeling was that students should be able to maintain their strength even in the face of the security system.

The second event was a letter signed by an ardent group of scientists who have been the most irrepressible of radicals, are too afraid to go on record.

All this talk about free speech and the security system came even closer to home a few days later when one outraged undergraduate drafted a letter to the postmaster general protesting this undemocratic action. After reading the letter in a student house meeting, the consensus was that although the content was not clearly justified, it would be dangerous for any member of the student body to sign such a letter of protest if he or she wanted a job requiring clearance.

It would appear that men have become so censored under the security system that even scientists-to-be, college students, who normally the most irrepressible of radicals, are too afraid to go on record.

A tentative conclusion is to do what smoking is a hobby—smoker finds it distasteful to have clouds of smoke hanging him. Think then, of the non-smoker.

If you feel that you need a cigarette, why not take a five minute break and step outside to smoke?

Above I have named just two of several poor test habits of which I find the Tech man guilty. These things are not really intimately connected with the Honor System. They are just unfortunate under the heading of, "Consid

Message from vice president

Standing on the threshold of another finals week it may be a good idea for all of us to give some serious thought to the Honor System and what it applies. In doing this, most of us immediately think of trying on a test or, in some other way, dishonestly claiming credit for someone else's work. This fine, since this is certainly one of our most important responsibilities under the Honor System.

Drugging a test, I think it is also important to considerate of our classmates who are taking the test with us. Loud, unnecessary conversations can be quite distracting.

Another consideration has to do with smoking. Even a heavy smoker finds it distasteful to have clouds of smoke hanging him. Think then, of the non-smoker.

If you feel that you need a cigarette, why not take a five minute break and step outside to smoke?

Above I have named just two of several poor test habits of which I find the Tech man guilty. These things are not really intimately connected with the Honor System. They are just unfortunate under the heading of, "Consideration for Others."

In conclusion, I would like to caution everyone against breaking these principles during a moment of weakness. Finals week is going to be tough for all of us. It needs the support of all of us.

V. A. Marinkovich
ASCIT Veep (lame duck)

A Campus-to-Career Case History

"I like a job that keeps me jumping," says Bill Jermain, C.E. from Marquette, ""and my first management assignment with Wisconsin Telephone Company does just that. I'm Service Foreman at Sheboygan, with nine installers, and that means variety of responsibility. But judge for yourself. Here's a quick run-down of what I did yesterday, on a typical day."

8:10—"Checked day's work schedule. One of my new men was putting in a phone at some distance, and I went over the job specs with him to be sure he had things straight.

9:30—Answered mail while my clerk checked time sheets from previous day.

9:50—"Out to supervise installation of the first alinum Outdoor Telephone Box I ever changed. Reviewed the assembly instructions with the installers, arranged for specimen poles and bolts to be delivered to the job.

11:30—"Drove across town. Made a complete 'quality inspection' on a telephone cable lifting for a house moving job. Drove the route he had planned and checked every detail for our crews.

3:30—"Returned to aluminum booth installation. Went over wiring specs with the electrician.

4:00—"Stopped at Central Office to pick up next day's orders. Met installers at the check-in and assigned next day's work."

Bill has been in his present job about a year, and is looking forward to new responsibilities as his experience increases. And the experience increases... as are the many young college men who have chosen telephone careers. If you're interested in a similar opportunity: at the Bell Telephone Company—or with Bell Telephone Laboratories, Western Electric or Sandia Corporation... see your Placement Officer for full details.
The standout feature of the first issue which is worth the price of the whole magazine is the "Minutes of the Faculty Committee..." The boys are able to calm their bitterness enough to produce a really funny joke at the student complaints problem.

It is encouraging to see a serious attempt at objective criticism, done in a very polished style by the story entitled "Our Modern Campus." The tradition of Jonathan Swift lives on!

The Movie Review is great—just great. Ernie Dernberg, the stupid looking guy holding the parakeet and looking like Marlon Brando, was perfect. The two-page center spread of comic lasses from hereabouts boosts Farrago up into the high-minded visage. The magazine is available free around here who were interested in music were discouraged from the start. He explained that Dr. Hallett Smith, boss of the humanities department, did not think there was any interest in a course in music.

It seems that very few students turn out for chamber music concerts, and Dr. Smith confesses this proof that there is little musical interest in general.

Another reason that Dr. Smith doesn't want to try out a music course is that he tried one a few years ago and it flopped. That's really a valid reason. Some courses in the humanities division flop every year! But they keep coming back for more, because we have someone on the staff who likes teaching them.

I am all out and raring to go about the music business. It will be that much less irony every time I see the word "humans," used around Caltech. It will be that much more opportunity to pick up just a few wee things besides problem-solving in my college "education."

College to College, Coast to Coast—Winston is really going to town!
Budding engineers travel to industry to gain education

by Bob Beatty

Almost every other week, a group of Tech students, prided with curiosity and eager to ask questions, take off on a foray to see an industrial plant. The Chemical Engineers Club, organized and spark-plugged by Dr. W. H. Corcoran offers a tremendous opportunity to become acquainted with all sorts of industrial processes.

A part of this job of extra-curricular education is carried out by bringing in industrial executives ready for informal luncheons before the plant visit is made. Then the student tourists get a chance to see exactly the type of work the speaker was talking about. Not long ago the club went to a glass plant operated by the Libby Division of Owens-Illinois. In their three hours there, they were able to follow the production process for making all kinds of glass products, from bottles to water glasses with the little script L on the bottom.

This particular trip was highlighted by being able to see the inside of one of the monstrosity complex molding machines which are torn down for repairs.

Last term almost one hundred percent attendance was assured when a trip to the Amus plant of the Lucky Lager Brewing Company was announced. The little joke about free samples flew thick and fast, but the visit to the tap room at the end of the tour made sure that everyone would go away with a tender place in their hearts for the Lucky Lager people. Seriously, though, the club members were able to get a little better insight into some of the production problems involved in such a large-scale operation. The plant was almost completely mechanized, with grain and hops going in one end, and full bottles of beer coming out the other, with very little human control in the process.

Earlier this year, the Long Beach plant of Proctor and Gamble invited the fellows to come down. Soap was the chief object of interest, from the car-loads of raw materials to the packaging line with more than a hundred men on a minute coming out of the automatic chutes. Before getting something of the idea of what working for Proctor and Gamble might be like, the plant activity gave a real life impression of modern mechanized industry.

The underlying philosophy of the group is that when Tech graduates go into the world of industry, they may be whizzing at knowing the difference between a Weber and an ammeter, but simple academic course work can't teach anybody what goes on behind the walls of industry. Not only chemists, but all future engineering workers get to see how their training fits into the overall production team.

Dr. Corcoran and his Chemical Engineers simply try to take advantage of the opportunities of the diversified industries of Southern California. A broader outlook on the whole job picture, plus a familiarity with how everything from soap to rubber tires are made, is the goal of this organization. It stands as another facet of Tech's educational program.

HOUSE ELECTIONS (continued from Page 1)

Louis Soux and Dave Youn in the secretarial race; and Herb Rauch was picked as treasurer over four other candidates. Fleming also elected Hunt Holiday and Larry Whitlow as co-athletic managers and Richard Her­

lectin as librarian.

In the elections at Ricketts Higgins defeated Dick Johnson and Lyman Fretwell. Dick Halsey was elected executive vice president, defeating Dan Tansley and Ross Brown. In the election for social vice presi­

dent the trio of Jim McConat, Rube Moulton, and Jerry Swed­

low defeated the duo of Gene Curdes and Bob Rettew. The Ricketts men chose Byron John­

son as treasurer over Howard Bloomberg and Bob Gerber. Mar­

ty Tangora was elected secre­

tary, and Chuck Honwell and Bob Walsh were elected co-athletic managers. None of these men were unopposed.

Moser was elected Throop Club president over Chuck Sar­

gent. In the race for vice presi­

dent Jim Lloyd beat Stuart Bow­

en. Other men elected at Throop Club included Dick Cooper, treas­

urer; Mike Duke and Gene Nel­

son, co-social chairmen; and Paul King and Mike Rusch, co-athletic managers.

CALIFORNIA TECH

Interview Schedule

MARCH

Thurs., 10-12 S. M. Ph.D./Ph. Ch., Olive Branch Scien­

tific Laboratory, Los Alamitos, New Mexico. Pims., 11-25 S. M. Ph.D./Ph. Ch., Mas, ME. 86, 94, CE, CE Board of Civil Service Ex­

aminers, Interviews being conducted for the following Laboratories: HENSIL—Palo­

Alto and Fremont—Ohio Latex; Paint Ponds— Pittsburgh; Public Service and the Corr­

ne Laboratories.
Six meet records broken as Oxy spikers romp; Conley wins javelin

Caltech varsity backfielders took second place in last Saturday's record-studded SCIAC Relays at Pomona College. Occidental powered to their expected lopsided triumph, scoring 79 points to Caltech's 76. Pomona-Claremont moved up to third place with 73 and Redlands trailed with 7 points.

The Beaver nine came through with easy win over LaVerne

Caltech's varsity backfielders pounded out an easy 8-2 victory over LaVerne College last Saturday on the losers' field. The Beavers never looked back as they scored four more runs as the Leopard fielders couldn't hold the ball. LaVerne's total of ten errors let in single runs in the fifth and sixth innings and two final runs in the top of the ninth.

Ray Weymann pitched the first six innings for Tech, striking out ten while walking none, and he gained credit for the victory. Hunt Holladay finished off the game, neither walking nor striking out anybody. Both of LaVerne's runs were unearned, one coming off Weymann in the fourth and the other off Holladay in the seventh.

Tech outfit

The home team actually out-hit Tech, 8-5, but they couldn't put them together for many runs. Tech's five hits were evenly distributed, with Berry's double being the only extra base hit.

The Beaver team starts the quest for the league championship on March 28, the Monday after vacation with a game against Whittier. In the past Tech's big stumbling block has been ineptness in the field. This year again it will be the big problem. The pitching is strong and the hitting is adequate. If errors stay down at a minimum, Tech may surprise a lot of people in the league race.

(Continued on Page 6)

Golfers drop match to UC at Riverside

Caltech's golf team traveled to Riverside last Friday and dropped the match to the University of California (Riverside Branch) team. Ann Tech was hampered by the lack of a whole team and this gave the home team the victory.

Tomorrow afternoon the Tech team entertains Long Beach State at Brookside Park. The home course. Then they take a two week break for finals and vacation before starting the conference season against Pomona on April 3.

(Continued on Page 6)

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(Continued on Page 6)
Whittier dance open to Tech

Techmen and their dates are invited to dance to the music of Les Brown and his "Band of Renown" at Whittier tomorrow night. The dance, which is a Whittier Student Union benefit, is being held in the Whittier High School auditorium, starting at 8 p.m.

For the dance Brown, whose orchestra is nationally known, will feature Hugh Stone, Stumpy Brown, and JoAnn Greer. Tickets for the affair are $1.50 per couple and can be obtained at the door, or by calling OX-6306. Anyone wishing further information may contact Dick Morse, the new ASCIT first representative.

ADMISSIONS

(Continued from Page 1)
The admissions committee meets. After the interviews are over, the committee reassembles in Dean Jones' office to burn the midnight oil for a week. First the committee has about 100 students each year which they admit almost immediately. After these first 100 are selected, the committee then tries to pass out scholarships to the right individuals. Each interviewer has previously selected certain students as probable candidates for the big scholarships, such as Sloan Fund, Lockheed Aircraft, etc. Following this, the other scholarships are given out on the basis of need and rank among the first 100 students. Next, the committee discusses which students should be the next 100 acceptances. The total operation takes all of the days and several hours a night for a week.

One of the biggest problems which face the committee is that of finding students who are sincerely interested in science or engineering. All information which the student has on these subjects has been second hand. The interviewers try to be sure that the student is definitely interested in these fields and feels that CIT is the place to advance his knowledge. In this manner, the possibility of getting students here who complain about everything that they are asked to learn is minimized. This factor is the basis of the Tech interview system.

DEAN EATON

(Continued from Page 1)
Paul A. Harmon

Little Man on Campus

by Dick Bibler

"Let's get in this long one—they're either lined up for a 'snap' course or a good teacher."

Frosh Sports Roundup

Tech's frosh nine lost its opening game to Pasadena Nazarene 11-5 Saturday afternoon. John Baker was the losing pitcher, allowing eight runs, five of them earned, in four innings. Tony Howell finished the game.

Most of the Beaver's runs came when Dave Leeson singled with the bases loaded and the ball bounded past the centerfielder. All four men scored. The game was played on the Tech diamond but Nazarene acted as host team.

Meanwhile the tennis squad was losing 90 to Occidental on the Tech courts. Oxy won every set with only Bob Tokheim forcing his opponent to twelve points.

I. H. SPORTS

(Continued from page 5)
both the backstroke and breaststroke. Clint West of Dalhousie was second in the backstroke and Rahn Stefansson took second in the breaststroke to give Fleming 10 points in that race. George Madson of Dalhousie put on a nice exhibition as he easily won the diving over Hunt Small of Ricketts and Carver Head of Blacker.

Going into the freestyle relay the Big Red team held a two point lead, but Dalhousie took second while Fleming trailed in fourth to give the Darbs the meet victory. Blacker's team of John Converse, Ken Laws, Gene Dryden, and Dave Netboy won the freestyle relay. At the end of second term competition Blacker still holds a commanding 24 point lead over Dalhousie and Fleming trails in third place, 40 points behind Blacker.

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