

CALIFORNIA TECH

California Institute of Technology

Thursday, February 19, 1948

SORB
DANCE
SATURDAY

Volume XLIX

No. 17

Costume Dance To Climax Sorb Drive Saturday Night

Loman, LaMarre Music Featured;
Hawthorne To Judge Costumes

Saturday night at the Oakmont Club in Glendale will set the scene for one of the most unusual social events of this or any other year. The event will climax the long drive at Caltech for the recognition of an Independent Lusatitz.

At 9:00 Hal Loman will give the downbeat which will start the four-hour dance. Nappy LaMarre, whom you all will remember from the Interhouse Dance, will give out some live jazz during the intermission. The bar will be open from 9:00 to 1:30 and will feature among other things a girl organist. (We don't know whose organ she'll be playing.) The dress is strictly Sorbian and as ridiculous as possible.

Jim Hawthorne, a well known Presidential Candidate on the Cornball ticket, will judge the costumes. He will present a prize to the best dressed boy and girl Sorb. We have already given some description of Lusatian dress, but for those of you still in doubt, here is a recount:

For the fellows: Anything European and ridiculous. A peasant outfit, military costume, diplomatic attire sans pants, leather breeches and Tyrolean hat, or any ridiculous combination thereof. We request, however, that no one come in a fur lined support belt with no other protection for the extermines. This doesn't apply to women who have no hair on the rump.

For the girls we suggest a peasant girl costume, a foreign spy's slinky dress, a Continental bathing suit perhaps, after it gets pretty deep there. In general, just something unusual and novel, that's not seen at every costume ball.

For directions to get to the Oakmont Club, see the map. Remember, the dance starts at 9:00; it's free, and it'll be the damndest thing you ever went to.

DON'T FORGET
TO CONTRIBUTE
TO THE "Y"

Spectroscopy Lecture Planned for Chem Club

The Chem Club is featuring a lecture on mass spectroscopy to be given by Mr. A. P. Gifford of the Consolidated Engineering Corporation in Pasadena. The lecture will be held this Thursday, Feb. 19, at 4:30 p.m. in 22 Gates. All who are interested are invited to attend.

Thursday, Feb. 26, there will be a field trip for members of the Chem Club to the C.E.C. plant on N. Lake. They will see the mass spectrometers and other equipment manufactured there.

New members are welcome to the Chem Club. Full membership is open to any undergraduate in Chem. or Applied Chem. and associate membership is open to anyone on campus. Arrangements for membership may be made at the lecture today.

Campus Calendar

THURSDAY, FEBRUARY 19—
Upper Class Luncheon Club at the Training Table, 12:00.
Troop Club Meeting, 12:30 p.m.
Chem Club Meeting, Mass Spectroscopy,
22 Gates, 4:30 p.m.
Dancing Class, Culbertson Hall, 7:30 p.m.
Glee Club Rehearsal in Throp Club,
8:30 p.m.

FRIDAY, FEBRUARY 20—
Student Assembly, ASCIT Nominations,
11:00 a.m.
Basketball Game, Caltech vs. Whittier,
there.
ASCIT Drunkard Party.

SATURDAY, FEBRUARY 21—
ASCIT Sorbian Independence Dance,
Oakmont Country Club, 9 p.m.

SUNDAY, FEBRUARY 22—
Musical in Dabney Lounge, 7:30 p.m.

MONDAY, FEBRUARY 23—
Student Assembly, 11:00 a.m.

TUESDAY, FEBRUARY 24—
Band Practice, Culbertson Hall, 7:30 p.m.
Drama Club Tryouts, 208 Dabney, 7:30 p.m.

WEDNESDAY, FEBRUARY 25—
Frosh Luncheon Club at the Training Table, 12:00.

THURSDAY, FEBRUARY 26—
Upper Class Luncheon Club at the Training Table, 12:00.
Troop Club Meeting, 12:30 p.m.
Dancing Class, Culbertson Hall, 7:30 p.m.
Glee Club Rehearsal in Throp Club,
8:30 p.m.

Proposed Changes In ASCIT By-Laws Slated for Balloting

Amendments to the By-Laws

Appearing on the ballot February 26th, along with the names of the men running for the ASCIT offices, will be several proposed changes in the ASCIT By-Laws. These changes are introduced by the action of the Board of Directors, in accordance with the rules and regulations of the By-Laws, to allow the Corporation to be run more efficiently.

Division of Responsibility

In the last year it has become increasingly more evident that responsibility should be both diversified and clarified. After each of the recommended changes is a short explanation why that particular change has been introduced.

(Continued on Page 3)

Power Industry Set As Subject of Talk

Alexander C. Monteith, an executive engineer of the Westinghouse Electric Corporation, will speak on the opportunities in the power industry at the CES assembly Monday at 11:00 in 201 Bridge. Mr. Monteith is the manager of Westinghouse's Headquarters Engineering Departments, and Director of Education. He was born in Canada, and received his B.S. in electrical engineering in 1923 from Queens University, Ontario, with honors for scholastic standing.

He joined the Westinghouse Company directly after graduating. He was chosen manager of the Industry Engineering Department in 1941, and was appointed to his present position in January, 1946. Included in Mr. Monteith's responsibilities as manager of Headquarters Engineering are the company's engineering laboratories and standards, and its engineering dealings with industry.

As Director of Education for Westinghouse, Mr. Monteith has over-all responsibility for student recruitment and training, university relations, including university visitation, scholarships, fellowships and professorships.

Other Jobs Open

In addition, this next Tuesday meeting will recruit stage crewmen, set designers, prompters, and the rest of a dramatic organization. A number of campus secretaries have already indicated their willingness to aid the Drama Club in this department.

Red Cross Drive To Get Early Start

The National Red Cross Fund Campaign will open at the Institute about February 20th.

Both Institute President DuBridge and the ASCIT Board of Directors trust that the Institute as a whole will contribute to this fund in as generous a way as possible.

It is hardly necessary to remind the students of the scope of activity of the Red Cross. When you are contacted for a contribution we hope you will do your part to enable this organization to carry on its fine work.

Seats Available for Stassen Rally at Shrine

Harold Stassen, candidate for the Republican Presidential nomination, will speak at a rally at the Shrine Auditorium next Tuesday night, Feb. 24.

Five hundred seats have been reserved for students in Southern California. Techmen wishing to attend should contact Len Herzog in Dabney today.

In the Presidential preference poll conducted by the "Y" on campus and reported in last week's issue, Stassen made the strongest showing of all the probable candidates. He was followed by Warren, Dewey, Truman, Taft, and Wallace, in that order.

Nomination Assembly Slated For Tomorrow in Culbertson

Three Tech Grads Receive EE Awards From Eta Kappa Nu

Recognition for work of distinction in the field of electrical engineering was given three California Institute of Technology graduates recently at Pittsburgh, Pa., where the annual mid-winter meeting of the American Institute of Electrical Engineers is being held.

Dr. John R. Pierce, now associated with Bell Telephone Laboratories in New York, received the top award for the year 1942. Dr. Pierce did both his undergraduate and graduate work at Caltech, obtaining his doctor's degree there in 1936. Dr. G. D. McCann, who also did both his undergraduate and graduate work at the Institute, received honorable mention for the same year. Dr. McCann, formerly with Westinghouse Electric, is now professor of electrical engineering at Caltech. The third Caltech man to be honored is Dr. J. W. McRae, also associated with the Bell Telephone Laboratories, who obtained his doctor's degree at the Institute in 1937. He was accorded honorable mention for the year 1943.

These honors were given by Eta Kappa Nu, national honorary electrical engineering society, at a recognition dinner Monday night for the period from 1942 through 1947. Although such recognition awards are made on a yearly basis, the annual dinners at which they are announced were not held during the war years and were resumed only this year. Only 21 men received this distinctive honor for that period, three of them from Caltech.

Snow Valley Scene Of Blacker Party

The social committee of Blacker decided to give the men a chance to participate in a wild affair last Sunday. Due to the high morals of the Blacker men, however, nothing out of the ordinary happened.

The event was a snow party scheduled at Snow Valley. The party left Pasadena at 9:30 a.m., arriving on the scene shortly after noon. Conditions were ideal for full enjoyment of the outing—about two feet of snow was on the ground, the weather was fine, and everybody was well provided with the tools of the trade.

Skiing and tobogganning took up the bulk of the time. A lode close by provided refreshments and entertainment for those peasants who were too ignorant to take full advantage of the surroundings.

LOVE THAT PROF? — Tau Bates to Find Out

Students to Air Opinions in Poll During Early March

During the first week of March all Caltech students will be given the opportunity to air their views and opinions of instructors and courses during a survey to be conducted by the Caltech Chapter of Tau Beta Pi. The survey will be in the form of a poll, in which each student will estimate the standing of his instructors in the various teaching qualifications.

Findings to Aid Instructors

The survey is designed to reveal the instructors at Caltech the phases of instruction in which they do not attain the standards expected by the students and it is hoped that the

Poll Committees

At present Tau Beta Pi subcommittees are at work compiling a comprehensive questionnaire and arranging for distribution and collection of the forms and tabulation of the poll results. Robeson is the co-ordination chairman of the whole project; Whittlesey is at work on the questions; Gavril is in charge of distribution and collection, and McEwen will handle the tabulation of results. Dalton and Valle-Riestra are in charge of publicity.

Further Announcements

Techmen are urged to be on the lookout for further announcements about the poll, for smooth functioning of the project will depend upon the students' knowledge of the poll mechanism.

Board of Directors, Publications Positions To Be Filled in Elections

Noon Today Set as Deadline for Submission of Written Nominations

The purpose of tomorrow's assembly at 11:00 in Culbertson is to introduce the candidates for the ASCIT election next week, and it is essential all students attend. The offices open are those of ASCIT President, Vice President, Secretary, Treasurer, Publicity Manager, Athletic Manager, First and Second Reps, Editors and Business Managers of the California Tech and Big T, and head Yell Leader. The first nine offices listed compose the Board of Directors of the ASCIT.

Junior Engineers

Requested to Take P & G Soap Test

All Junior Engineers are requested to take a selection test in Room 206 Dabney at 4:15 p.m. on Wednesday, March 5, 1948.

This test has been compiled by the Procter and Gamble Company and is used in selection of their engineering personnel. Each man taking the test will be sent an individual report showing his score on the test. The tests are graded by the Procter and Gamble Company.

This is an excellent opportunity for Juniors in Engineering to obtain an evaluation of their standing. The test requires approximately one hour. No preparation can be made for the test. It is not highly technical and should be an interesting experience. The selection of personnel for both permanent and summer positions by the Procter and Gamble Company is based partly on the results of this test. For many Juniors, this may be a first step in consideration of their jobs upon graduation from the Institute in June of 1949.

Those who desire to take this test should leave their names at the Placement Office, Room 120 Throp Hall, immediately. All Junior engineers are urged and requested to take it. Any other students of Junior standing who may also wish to take the test may leave their names at the Placement Office and appear for the test as scheduled.

Interview Schedule

FEBRUARY 18, 19 AND 20—DOUGLAS AIRCRAFT COMPANY, Mr. C. Lamm, Engineers and Graduate students in AERONAUTICS, ELECTRICAL ENGINEERING, and MATHEMATICS. BS students in Mechanical Engineering interested in Mechanical design and board work. PROFESSIONAL AND PhD candidates in Physics.

FEBRUARY 23—STANDARD OIL CO., New Jersey. Overseas Personnel Office, Mr. R. L. Dale. For further information see Placement Bulletin Board, Room 120 Throp Hall.

FEBRUARY 24 AND 25—SHILL DEVELOPMENT COMPANY, Dr. Wm. Vaughn, BS CANDIDATES IN CHEMISTRY STRONGLY GROUNDED IN ORGANIC, LEANING TO PHYSICAL CHEMISTRY. Same training period. MS's if interested.

FEBRUARY 24 AND 25—SHELL CHEMICAL CORP., Dr. C. W. Humphries, Mfg. Operations Mgr. INTERESTED IN PLANT OPERATIONS, not research. EVEN-TUAL ASSIGNMENT PROBABLE HOUSTON, TEXAS. BS CANDIDATES MAINLY TRAINING PERIOD.

FEBRUARY 24 AND 25—SHELL OIL COMPANY, INC. Mr. J. Cignetti, Manager of Mfg. Production Dept. INTERESTED IN MECHANICAL ENGINEERS PRIMARILY BS CANDIDATES, 1948. There will be a 42 to 44 week training period. MS's welcome if interested.

Mr. Wm. Chonetin, Manager Exploitation-Production Dept. MECHANICAL, ELECTRICAL, CIVIL, MINING, PETROLEUM, and CHEMICAL ENGINEERS INTERESTED IN SUBSURFACE STUDIES. Men should have strong Math. background, at least 2 years in Physics, preferably 1 yr. Chemistry, and 1 year in Geology very desirable. Same training period as above, so BS CANDIDATES preferred and any MS who may be interested.

Dr. S. B. Thomas, Mgr. Mfg. Development Dept., Mr. J. E. Marsland, Chief Technologist, Wilmington Refinery-Manufacturing Dept. MS PROF., and PhD CANDIDATES IN CHEM WITH ORGANIC BACKGROUND AND DEFINITE INTEREST IN PHYSICAL CHEMISTRY. Primary interest must be operations, not research.

FEBRUARY 26 AND 27—GENERAL PETROLEUM CO., Los Angeles, Calif. ME, EE, CE, and PHYSICIANS. Petroleum production work—2 year Trainee program. Practical side of engineering, not research.

A FEW PhD'S IN PHYSICS and PHYSICAL CHEMISTRY.

E. I. Du Pont de Nemours Co., Wilmington, Del. Mr. W. Reynard, PhD candidates in fields of CHEMISTRY, CHEMICAL ENGINEERING, PHYSICS, MECHANICAL ENGINEERING, PLANT PHYSIOLOGY available through June, 1949.

MS candidates graduating in June, 1948, in fields of CHEMISTRY AND CHEMICAL ENGINEERING.

(Continued on Page 6)

Exchange Picnic Next As Dabney Social

This coming Saturday Dabneyites will unite with the rest of the ASCIT at the ASCIT Lusatian Sorb Dance at the Oakmont Country Club. Sunday afternoon house activities will again be resumed, as from 1 to 4 p.m. the men will meet 50 Oxy girls at the Dabney-Haines, La Casa, Armadale Picnic, to be held at a local park.

In addition to other activities, a milk-drinking contest is planned for the afternoon.

Thursday, Feb. 26, another of the Scripps-Dabney dinner exchanges will be held, when 25 men from Dabney will go out to Scripps in exchange for an equal number of girls from Dorsey Hall.

Semi-Formal Dance

The Valentine's Semi-Formal Dinner Dance turned out to be one of the most successful events of the year. At 8 o'clock nearly 25 couples went to Pierre's for dinner. The meal itself was especially notable for the dessert, which was something like a root beer float, but not quite.

At 6:30 some 60 couples gathered in the Dabney Lounge, where they danced until 1:00 to the music of Bob Case and his orchestra.

Entertainment was provided during the intermission by Don Royce, Bruce Hedrick, Dan Markoff and Jack Ottestad. Especially outstanding was the Ottestad-Markoff midget act, whose effect in putting the audience in stitches was the most successful the team has achieved this year.

The California Tech

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A NEW VIEW OF HISTORY

By Caltech Students

In the War of 1812 American privateers prayed upon English ships despite the lack of naval support.

The Erie Canal provided transportation through the barrier of the Appalachian Mountains.

Thanks to the Federalist politicians, the Constitution was ratified, despite the most severe obstacles. Without it we would suffer under a weak government that could never have passed tariff and patent laws. So it is fortunate the opposition to the Constitution was futile.

Thomas Mann was the father of the American public school system.

The earliest pioneers were the fur traders.

The Civil War was a fight between Southerners and Northerners. The Abolitionists caused the war by their attempt to abolish Negro slavery.

Ed. Note: The above quoted misstatements all appeared on various Freshman history exams this year, and were compiled by a prof who, although the above seemed ludicrous to him, muffed "Caltech" himself. We changed it.

Mud Up 2c; Campus in Uproar

On Monday, Mr. Sullivan, manager of the Campus Cafeteria, known more or less affectionately as the "Greasy Spoon" or "Out-house," raised the price of coffee per cup to 7c.

Repercussions were not long in coming. General indignation began to spread throughout the campus. A group of students brewed their own coffee, then took it to the "Spoon" to drink it. Many groups, dropping in at the usual coffee hours, passed by the silexes, took a glass of the horrible Pasadena water apiece, and drank it. This took real fortitude.

Groups in the student houses immediately began calculations of cost, and soon miniature coffee houses were mushrooming in the houses. By Wednesday, local California-Lake grocers were almost convinced that the old hoarding days of just before rationing were upon them again, at least for coffee, as their shelves became bare.

As soon as it appeared that the 2c per cup increase in the price of coffee threatened to develop into a major issue, it was decided that the "Tech," in line with its policy of presenting all sides of important issues to Techmen, should devote considerable space to the controversy.

A team of roving reporters was sent out by the paper to question a representative cross-section of students and obtain their views on the increase. Meanwhile, the Managing Editor of the Tech, Dick King, was dispatched personally to see Mr. Sullivan, manager of the "Spoon," and obtain a statement of his side of the story. The student comments and Sullivan's statement both appear below.

Students Say . . .

Chuck Moody: "I don't drink coffee anymore since its price was raised to 7 cents."

Burt Housman: "I think it's justified."

Tom Turner: No printable opinion.

Dennis Long: "I don't think it's necessary."

George Scott: "I now drink water."

Bud Freise: "Don't drink coffee; so no opinion."

Dutch Vreugde: "It's a dirty trick."

Joe Burkholder: "It's forced me to join the W.C.T.U."

Charles Auerbach: "Gad, I think it's disgraceful. These people should go out of their way to cater to students."

Fred Drury: "It wouldn't be so bad paying 7 cents for it if it were good coffee. (While we're on the subject, Oxy gives a good meal for 60 cents while it takes 70 cents at Tech.)" (Personal experience).

Bruce Worcester: "... on this 2 cents rise in coffee. The additional profit is negligible compared to the inconvenience it causes. You can quote this! . . ." (Ed. Note: We wish we could!)

George Drapes: "I'm against it to shut my roommate (Worcester) up."

Chuck Forester: "The thing is unsound mathematically."

Dalton: "It's playing hell with social institutions."

Bill Bradley: "Horstschist!"

Fred Smith: "My opinion has been expressed adequately above."

John Mason: "I think it's strictly for the birds. Those leeches won't get 7 cents for a cup of

(Continued on Page 6)

ation, it was decided that the price would have to go up.

troller, and after careful deliber-

Even at 7c, Sullivan alleges that he is just barely breaking even.

The management tried to make the coffee loss up on other items, but couldn't do it.

He (Sullivan) took the issue to Mr. Stott, the Institute Com-

missioner.

Sullivan Says . . .

Cafeteria Manager Sullivan, in an exclusive interview, states his case for the 2c increase substantially as follows:

The price had to go up, said Sullivan, since the prices of coffee, cream, and sugar were so high and still going up. Labor, overhead, and breakage meant that the cost of a full cup of coffee was so high that the Cafeteria could not even break even at 5c.

The management tried to make the coffee loss up on other items, but couldn't do it.

He (Sullivan) took the issue to Mr. Stott, the Institute Com-

missioner.

The CALTECH MUSICALE

PROGRAM FOR SUNDAY, FEBRUARY 22, 1948

A PROGRAM OF SONGS

Songs of the Auvergne

Four Scotch Songs—Summer Has Come—Dear Love of My Heart

The Boatman—Kishmu's Galley

Vier Ernste Gesange—BRAHMS

—Intermission—

Jesu Joy of Man's Desiring—BACH

Three Songs—RACHMANINOFF

Sing Not to Me—The Island—Lilacs

Six Love Songs—Sung by Richard Dyer-Bennett

Six Folk Songs—Sung by Josh White

EDITORIAL: 7 CENT COFFEE AND WHAT TO DO ABOUT IT

A lot of hard words have been spoken by both sides in the present coffee-price increase controversy, and there have been even more ill-advised actions, also on both sides.

In the interest of preserving its high reputation for responsible journalism, the "Tech" is not going to present herein a stormy denunciation of "Spoon" manager Sullivan and his cohorts, although individually, the staff is probably as indignant a group of partisans as can be found on the campus.

We feel that the 2c increase is more than just that: it is a manifestation of a diseased situation that has been becoming steadily more acute on the Caltech campus for some time. In this editorial, we will explore some of the facets of the overall problem, and suggest what the Editorial Board of the "Tech" and many other students on campus who have taken the time to think of ways of bettering their school have considered for some time to be the only solution.

We do not believe that Sullivan's figures are correct when he states that he can just barely make a profit on 7c coffee, although it is conceivable that he may be taking an overall beating on running the Cafeteria. We cannot be sure, but strongly suspect that, in spite of his protestations that he "tried to make the loss up on other things," that these very "other things" are what he is losing money on, and that only by suitable manipulation of the labor, overhead, and breakage items—a not uncommon business practice but one in which the manager only kids himself—can he make seven-cent coffee appear to be a just better than break-even proposition. Or even five-cent coffee.

'Spoon' Is Service Organization

Here is the crux of the matter. The "Greasy Spoon" is more than a business enterprise. It is a service organization. As a service organization, its first duty is consideration of those it serves—the academic and administrative personnel of the Institute. Therefore it cannot be allowed to pursue a policy of "charge what the traffic will bear."

As matters stand now, why do students patronize the "Spoon"? Certainly not because its quality is superior to that of competing enterprises—especially the quality of its coffee. The "Spoon" is patronized solely because it enjoys a favored central location—an on-campus location which makes it very convenient to its customer pool. Although it is true that the management of the Cafeteria pays for this favored location, the mere fact of payment does not absolve that management from the responsibilities incumbent upon an organization granted a "most favored" position only because there is a need for such an organization to perform vital services to the corporate body.

Why is student indignation over the 2c increase so high? Mainly because the patrons of the "Spoon" get the impression that something is being put over on them. They were not adequately prepared for the increase by a valid statement from the management as to the reason for the increase in a legitimate publicity medium such as the "California Tech." The fact that the management did not even think of such action, but merely rushed over to "clear it with Stott" is the most telling symptom of what is wrong in the Cafeteria situation, and also contains the suggestion of a means for obviating such difficulties in the future.

It Should Be Student-Controlled . . .

We firmly propose as the only workable solution that the Campus Cafeteria be made a self-contained subsidiary of the ASCIT. Only by placing the Student Corporation in charge of the cafeteria can the adequate service of that organization be insured. Most of the major colleges of the country have already, and with unanimously healthy results, taken this step. It does not mean that students will "run things" and that chaos will ensue. It merely places a student Board of Directors at the top level of the organization as a policy-formulating body.

Such a body inherently is ideally suited to decide such issues. It will not allow the manager to set prices too low, because the Corporation it represents is the loser. It will not allow prices to be set too high, or "nuisance" charges to be placed on specific items, because the members of the Board and the individual constituents of the Corporation thereby lose or are inconvenienced. It can best insure that the Cafeteria is open at the best times; that it offers for sale at these times only those items which are economically profitable in view of the demand for them; that adequate staffs are present during rush hours and unneeded employees not present during lean hours—these last by encouraging part-time student work as needed from among the large number of students who are openly available for such employment.

To Gain Efficiency, Savings, Profit . . .

In short, if the Cafeteria were subordinate to the ASCIT, we could reasonably expect more efficient service at lower cost, and with every possibility of a not inconsiderable profit accruing to the Corporation. In later issues we will present a similar plan for the now Institute-run bookstore. It is inconceivable that, in view of the success of both such ventures in other progressive colleges, the Institute should long continue to bury its head in the sand on this issue.

Some prodding on the part of the student body will, however, no doubt prove helpful. In issues to come, the Tech will expand upon the plan sketched out above. The Editors desire your comments and opinions in regard to this program, as well as your specific suggestions as to how to best set up the necessary machinery.

While the situation remains thus in a state of flux, we advise that students keep their protest demonstrations on a peaceful basis. Techmen have long been noted for their lack of demonstrable excitement on such issues, and their supreme confidence in the workability of the democratic processes.

We suggest students to allow these processes of arbitration and peaceful indignation time to gain the desired change. Only if those in control do not demonstrate similar good faith will measures such as the boycott be justified.

Meanwhile, if you think the coffee is worth 7c, buy it. If you don't, remember, those who live in the Houses, that each kitchenette has a hot plate, and do what the staff of the "Tech" is doing—trot down to the store, buy a fresh tin of your favorite brand, and brew your own.

—L. F. H.



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THE SQUARES' CIRCLE

UNWILLING PEDESTRIAN EYES WOODPILE

Dear Sir:

The Student Body at Caltech has for the last decade been asking the Institute to provide somewhere on its 270,000 square feet a space of about 15' by 7' in which the students can work on their cars. I say asking because the Building and Grounds Department has never granted our request.

Today there are approximately 400 automobile-owning students on the campus. Repairs on a car are \$500 a year minimum. Most of us are getting along on our G.I. \$65 a month; we can't possibly eat, sleep, and pay the upkeep on our car, too. But if there were a place on the campus where we could do our own work, the problem would be solved.

The Building and Grounds Department says that they are short on room and can't possibly spare 1/2700 of the assorted ice plant, vacant sand plots and horseshoe courts for the men that don't spend all their time studying. Also what about the mess that the students would leave? Caltech students are notoriously messy in their determination of "e" to one part in 1000.

North of Fleming House there are more than 1500 square feet devoted to a horseshoe court or 15 times the amount of space that the students requested. This precious space probably serves some important function in the workings of the Building and Grounds Department.

Between the M.E. Shop and the M.E. Toolroom there is an area more than 20 times as big as the one we need used for unreserved parking and otherwise filled to the extremities with air. In the area north of the student shop (incidentally an explosion of the student messiness myth) there is the ideal area; hedged in from the street. This space is filled not with vital gear but firewood.

We submit that, if there is room for a horseshoe court, a pile of firewood, unreserved and unnecessary parking, anything but ornamental iceplant, there is room for one student at a time to repair his car or boat.

An Unwilling Pedestrian.

CALIFORNIA PHARMACY

PRESSCRIPTIONS PHARMACISTS

575 S. Lake Street Pasadena, Cal.

SYcamore 2-6222

SORB AUTHORITY CONCURS

Editor,

The California Tech.

Dear Sir:

PROPOSED ASCIT BY-LAW CHANGES

(Continued from Page 1)

Article IV. Sec. 3. Delete the words "and shall sign all checks for all expenditures authorized by the Board of Directors."

Sec. 5. Delete "and shall sign all checks for all expenditures authorized by the Board of Directors."

The reason for these deletions is that this subject is adequately covered in ARTICLE XII Sec. 5 of the By-Laws. (See recommended changes in ARTICLE XII.)

Article VII. Sec. 3. Delete the words "June 30th." REASON—The time by which the work of the Treasurer must be completed cannot be so definitely stated. By the very nature of his business his work will carry on through the summer and it is felt that June 30th is entirely too arbitrary.

Article XI. Sec. 7. Rewritten to read as follows, "There shall

Schutz, McCreery Win History Awards

Two Caltech history professors, Dr. John A. Schutz and Dr. Henry F. McCreery, have been announced as winners of awards by the Pacific Coast Branch of the American Historical Association.

Dr. McCreery received the award for 1947 for his manuscript "German Opinion of the United States during the 1916 Submarine Crisis," and Dr. Schutz received his for his paper "Thomas Pownall: an Early Champion of Anglo-American Cooperation." His award was shared with Professor Wilbur Jacobs of Stanford University.

Both Caltech men are assistant professors of history in the Institute's Humanities department. Recognition will be published in the winter edition of the Pacific Historical Review.

be a Publicity Committee with the Publicity Manager as Chairman. REASON—It is impossible to say how many men the Publicity Manager will need as this number will vary with the situation each year.

Article XII. This entire article has been rewritten to read as follows:

Sec. 1. DUES. The Corporation dues shall be fifteen dollars per year, payable five dollars upon registration each term. The funds from these dues shall be divided between the Athletic Department of the Institute and the Corporation as follows: for the first and second term, three dollars to the Corporation and two dollars to the Athletic Department and for the third term three and one-half dollars to the Corporation and one and one-half dollars to the Athletic Department.

Sec. 2. BUDGET. At the end of each college year the Board of Directors shall adopt a budget to govern all expenditures for the following college year.

Sec. 3. INVENTORY. The Treasurer shall at the end of each college year prepare an inventory of all property of the corporation.

Sec. 4. AUDIT. All of the books of account of the Corporation including those of the Big T and the California Tech shall be submitted by the Treasurer to a certified public accountant at the beginning of each school year for auditing. The audit shall cover the entire fiscal year just completed. The treasurer will also submit vouchers for the fiscal year concerned, including all checks and bank statements, purchase orders, bills and receipts.

Sec. 5. PURCHASE FORMS. All purchases shall be made as follows: triplicate numbered order forms shall be provided for all purchases or expenditures of the Corporation. Requisitions for all purchases or funds shall be made out in triplicate form and



ELOPEMENT—Two Sorbs shown in the process of eloping. Sorb Dance Saturday night climaxes Independence Drive.

submitted to the Board of Directors for approval. The Treasurer shall keep one blank, the person writing the order shall keep one blank, and the party of the expenditure shall receive the other copy. The President or the Treasurer shall sign the order blank forms before the purchase is made.

Sec. 6. CHECKS. The President, Vice-President and the Treasurer shall have the power to sign the checks of the Corporation, the signatures of any two being required on any check.

Sec. 7. This section shall remain the same.

REASON—These changes are designed to make the lines of responsibility of the Treasurer more stable and to allow the practice of the last several years to conform with the By-Laws.

Article XIII. Sec. 2. Delete. REASON—This is merely redundancy because Tradition is nowhere defined in the By-Laws.

Section one covers the entire subject adequately.

CAMPUS

Upon reviewing last week's column, it seems appropriate to make an additional statement regarding the last Student-Faculty Relations Committee meeting. Inasmuch as this column above all advocates freedom of opinion (as a justification to the very existence of this column), I must state that this column did not mean to give the impression of maligning any members of the faculty of this school, even though it may from time to time have differences of opinion on various items. Apologies are hereby rendered to assuage any bad feelings.

Happy Student

One of the more contented Techmen these days is Don Ralph. Tired of making the fruitless milk run to Scripps, Don has become acquainted in Hollywood. As a result, he is there quite often even on week nights. As a matter of fact, sometimes, it is all he can do to make it to his classes.

Valentine Dance

Dabney had its Valentine Dance on Friday to avoid conflicts with the Scripps Beaux Arts Ball. The former was a very jolly affair although there did seem to be a bit of difficulty with the entertainment. The grievous wounds which Muehlberger received in the protuberance of his anatomy at the Sorb assembly, did not seem to have a detrimental effect on his rhumba. He can still shake it.

Big Hero

Speaking of heroes, Carl Price is the hero of the week. While practicing for the Sorb assembly and climbing down from the balcony on a rope, sometime went wrong and Carl experienced a rapid acceleration. The boy could

BREWINS

hardly walk after he picked himself up off the floor, but he still carried on in the historic pageant, by hobbling down the aisle for the duel.

Winter Sports

Among those clustered at the Ski Hut was a group from Blacker on a so-called snow party. The activities consisted mostly of eating hamburgers, burying each other's faces in the snow, and lounging around the hut in semiconscious stupors. Marshall did most of the cooking while Cotton was in charge of garbage disposal, quite appropriately. Stillman and date were thoroughly buried in snow while tobogganing, but they seemed to enjoy it immensely.

Scripps Dance

The Scripps Beaux Arts Ball was a very gay affair, although not quite like their Parisian namesake (much to the disappointment of all ETO vets present). There was a dearth of half-clad women screaming down the street. Muehlberger dressed as a rainmaker and Heath looking remarkably like a Sorb paused to engage in a water fight.

Diehards

(Censored) honored the spoon with a visit last Monday when he and a group of associates brewed their own coffee elsewhere and then carried it over to the "Outhouse" for consumption in a protest to the new high prices. For some reason this did not meet with the spontaneous approval of the management. They threatened to sue. However, a lot of favorable student sentiment was aroused. Who knows; some day they may speak of the famed Caltech Coffee Party in the same breath with the Boston Tea Party.

manner as recommended by the Treasurer of the Corporation.

Article XIV. Sec. 1. (b) There shall be one manager each for cross-country, golf and tennis.

Sec. 2 (b) Delete this part. REASON—There is no need for these sections any longer as practice of the last several years has clearly indicated.

Article XV. Part A.

Sec. 3. FINANCES. The Business Manager of the California Tech shall be responsible for all funds belonging to the California Tech and shall deposit all funds received in such bank as approved by the Board of Directors. He shall account for all receipts and expenditures in a manner recommended by the Treasurer of the Corporation. He shall submit mid-term, term and annual reports to the Board of Directors on the financial condition of the California Tech. All checks for expenditures shall be signed by both the Business Manager and the Editor.

Part B.

Sec. 3. FINANCES. The Business Manager of the Big T shall be responsible for all funds belonging to the Big T and shall deposit all funds in a bank as approved by the Board of Directors. He shall account for all receipts and expenditures in a manner recommended by the Treasurer of the Corporation. He shall submit mid-term, term and annual reports to the Board of Directors on the financial condition of the Big T.

Sec. 4. FINANCES. The Editor or the Co-Editors of the Little T shall keep their own accounts and shall present a report to the Board of Directors as soon after the start of the third term as is practicable. The first \$400.00 net profit shall go to the Editor or Editors as the case may be. Any profit above this amount shall be split evenly between the Corporation and the Editor or Editors.

Part C.

Sec. 1. Delete "All collected receipts shall be given to the Treasurer; refusal to do so will constitute a breach of the Honor Code and shall justify the withholding of a man's clearance from the Institute."

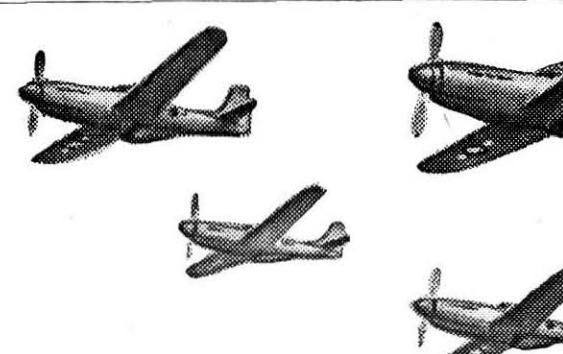
REASON—It has been found that it is much more convenient to make each Business Manager responsible for the funds of the particular publication for which he works.

Changes Interlocking

One word of caution—by a usage of the Little T it will be found that any of these changes are interlocking and a change in one section necessitates a change in other sections. Therefore when you vote for a change in one section be sure to follow the responsibility of this change to the other sections so there will not be conflicting statements in the By-Laws.

BRUCE A. WORCESTER

President ASCIT



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Frosh Track Meet Shows New Material

In the intra-frosh track meet held last Wednesday, Thursday, and Friday, coaches Anderson's and Doc Haines' frosh cinder-men gave an advance showing of the track material to be used in the Conference Relays, March 6, and other future frosh track events.

Two records were broken and turnout generally was good although some times were slow because of the cold weather and pre-season stiffness.

Highest individual scorer was Walt Edwards, who garnered points by winning the 100, 220, 440, and 880 yard dashes in the times of :11.4, :24.8, :55.4, 2:13.6 respectively.

In the field events Art Miller heaved the discus 117'11" for a new intra-frosh meet record, and won the shot with a put of 33'3". John Lewis took first place in the javelin with a throw of 131'8" for first place in that event.

Bob Cobb took another first in the distances, establishing a new intra-frosh record of 4:55.4 for the mile. Dick Smyth won the two-mile in the time of 11:45.8.

120 Yard High Hurdles race was won by Jim Gillett, and Bill Samson won the 220 Yd. low hurdles.

The following men, listed in the order in which they finished in each event, show promise:

100 Yd. dash: W. G. Edwards, C. Paulson, W. F. Sampson, J. E. Gillett; 220 Yd. dash: W. G. Edwards, K. R. Berg, C. Paulson, R. Bowerman; 440 Yd. dash: W. G. Edwards, C. Paulson; 880 Yd. dash: W. G. Edwards, C. Paulson; 1000 Yd. run: R. Smith, R. Kurland; 120 Yd. high hurdles: Jim Gillett; 220 Yd. low hurdles: B. Sampson, Dallas Peck, J. Gillett; shot put: A. E. Miller, D. Blanchard, G. Merkel; discuss throw: A. E. Miller, J. Lewis, F. Eisen; javelin throw: J. S. Lewis, D. Blanchard, A. R. Cuse, W. Popowsky; high jump: J. B. Johnston; broad jump: J. S. Lewis, D. Smyth, C. Paulson, D. Blanchard; pole vault: no entries.

*New Caltech intra-frosh track meet record.

Second Canto Rally Stops Wilson Team

After playing a listless first half, the Frosh basketball team came to life and trounced Wilson High School of East Los Angeles, 61-52, last Monday afternoon.

Gain in Second Period

Led by the versatile Frosh guard, Dick Brewer, who scored 22 points, the Baby Beavers dominated the second half completely after the lead had changed hands ten times during the early part of the game. Thorne Butler was next in the scoring department with 20 counters, while Sweetman led the losers with 15.

Scoring:
Caltech (61) Wilson (52)
Freise (10) Sweetman (15)
Sereno (3) Chertkoff (6)
Butler (20) Kreutzberg (13)
Brewer (22) Brogan (10)
Stern (2) Raymond (2)

Halftime score: Wilson, 24; Caltech, 23.

Scoring subs: Caltech—Libbey, 2; Greutert, 4. Wilson—Date, 4; Zimowski, 2.

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Frosh Sports Roundup

—By Earl Hefner

Overshadowing the recent activities of their fellow classmen, the Frosh basketball team, the Freshman tracksters last week produced some bright prospects for this year's Underclassmen track team, and also for next year's Varsity squad.

Records Made

Bob Cobb, the speedy little miler from P.C.C. and Art Miller, the one person who was the most responsible for the heavy line on the Frosh football team last fall, both did a remarkable job of setting Frosh records in the mile run and discus, respectively. Cobb made a nice record for himself (and Throop) in the cross-country last fall, and is probably the rosiest prospect out at Tournament Park.

Deficient in Some Events

The marks in some of the other events were not too good, but in some cases a severe wind kept the times from being reasonable. Coaches Doc Hanes and Andy Anderson have a nice trio of distance runners in Cobb, Smith, and Edwards, but are somewhat lacking in the sprints, hurdles, and some field events.

With the conference relays looming closer and closer, the two track coaches hope to enter several teams in the meet. Any-one yet interested in participating in the sport is encouraged to start spending their afternoons over at the Park; plenty of exercise can be expected.

Hoopmen Roll Over Wilson

In the hoop sport the Frosh quintet is now just above water in the win-loss column by virtue of their 61-52 win over Wilson High last Monday. Their season record stands at six wins against five defeats, with three games remaining on their schedule. The young hoopers have the unique record of never having lost a home game, and stand a good chance to hold onto this record up to next Saturday night when they play their final game of the season with Loyola.

Rematch With Loyola

The Frosh five dropped the Frosh several weeks ago by 59 points, but the Freshmen should give a better showing this time, although we certainly aren't so optimistic as to predict a victory for the Beavers. The Frosh will, however, be out to make a respectable game out of it, and even try to keep the much-pub-



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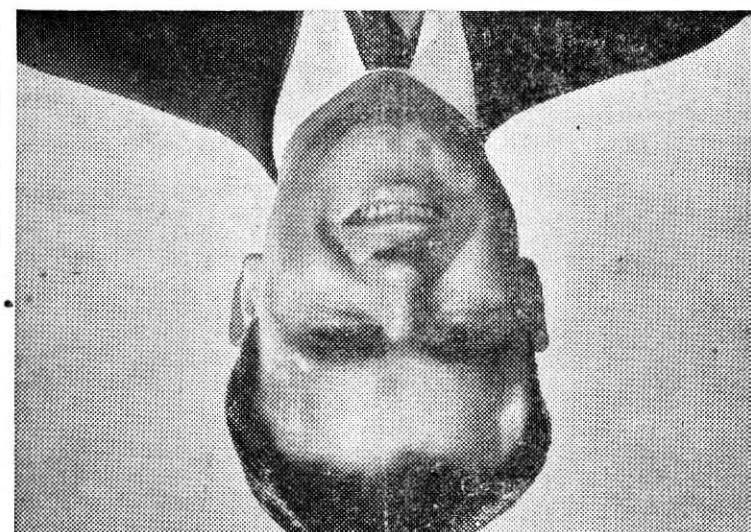
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Frosh Cagers Drop Hoop Tilt To Pomonans

Pomona's fired-up bunch of Frosh cagers just couldn't miss last Friday as they took a 56-46 decision from the Beaver Frosh.

Fighting from behind the whole game, the Caltech five gave the Sagehens a hard battle up to the closing moments of the contest. Only at one time, however, did the Frosh hold the lead, at 20-19 near the end of the first half, but a spectacular rally by the Hens gave them a 28-21 half-time advantage.

Beavers Rally

The high point of the first half was the Tech rally which saw them overcome a 10-point Pomona lead. With the tally at 17-7 Butler put through a free throw on a double foul, then Sereno took a pass from the tip-off to score 2 points. Sub forward Dick Libbey dropped a short side shot through the hoop after making a gifter, followed by a pair of hook shots by Bud Friese which tied the score at 17-all.

Tech Gains Brief Lead

After the Hens made good a pair of free shots, Libbey made good another one-pointer succeeded by a tip-in which put the underclassmen into the lead for the only time in the fray.

Hens Gain, Keep Lead

After trailing the Hens by five to 10 points in the final stanza Friese tipped the ball in to make the scoreboard read 43-47. Butler potted a short shot with five minutes to go to narrow the margin to two points, but Fred Shand, sharp-shooting Hen forward who was high-point man for the evening with 16 digits, put one in from the key for the Pomona Frosh.

Pomona Rally Cinches Game

With only a few minutes remaining the Beavers tried vainly to catch up with their rivals, but baskets by Johnson and Addicott clinched the game for the Sagehens, and the final score read 56-46 for Pomona.

The services of first-string guard Ray Greutert were missed by the losers as subs Stern and Martin filled in the vacancy. Freise and Butler were high-point men for Caltech with 13 points apiece, but the scoring honors belong to Herbener, Shand, and Johnson. Those three

(Continued on Page 6)

Talkin' It Over

with The Goon

You men must know how it feels to try to write about twelve inches of stimulating patter of how the sturdy teams of Tech move relentlessly onward to inevitable victory, when just the other night a gang of Sagehens had a one-way direct wire service to the baskets. Those hens couldn't lay an egg that didn't roll through the little iron ring that causes so much trouble.

Varsity Loses Pace

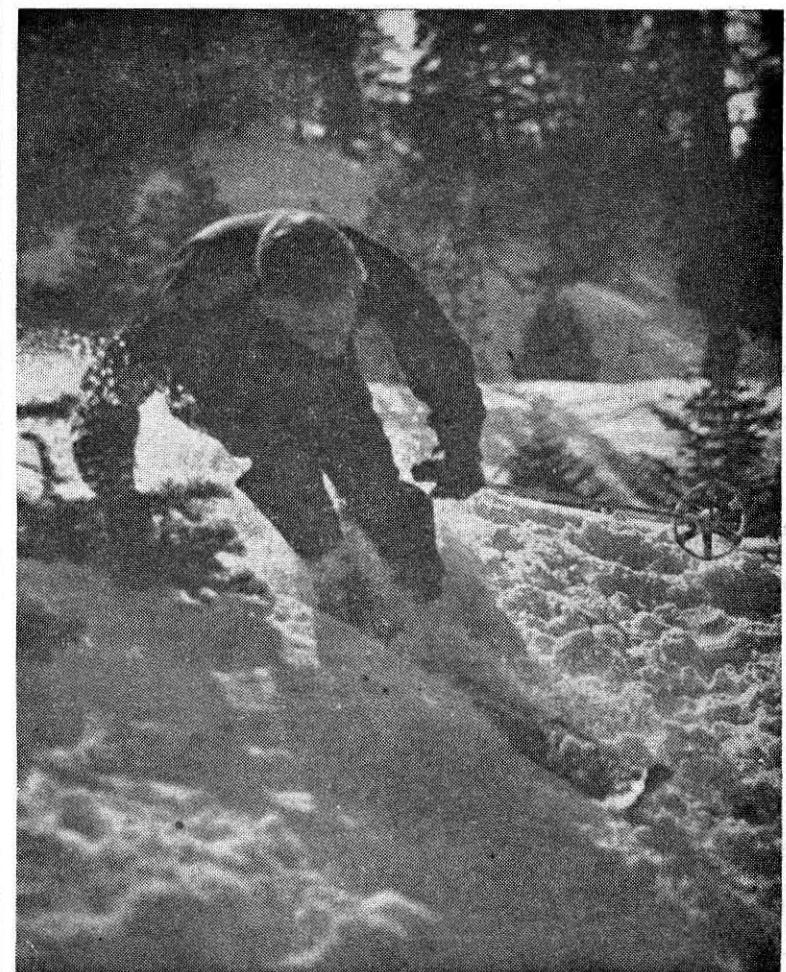
I'm not saying this is Blue Monday—it's purple. Starting out like a tornado, the Varsity has slowed down considerably. The fast break sorely needs the services of Rapid Red running on two good legs instead of one and a half crippled. The rebounding has not been as sharp since Ted decided to break his hand so he could take up smoking and drinking again. But most of all the team lacks the stimulus of having a bunch of hard fighting reserves pushing the starting five every night in practice.

Lack of Reserves

Two nights last week there were only nine men braving the cold if the ice box. This Monday scrimmage couldn't start until "The Form" Tyson put away his transit and tape measure, because again there were only nine men.

I know damn well that there are men in this school who are very fine casaba handlers but since they figure that they can't make the starting line-up there's no use coming out. This sort of spirit not only cripples the squad, but also lessens the possibility of that guy ever making the Varsity.

Well, it's a little late to be getting the brittle beak. Keep this thought in mind—if a man competes only because he wants to win a letter he's not a real competitor.



SLALOM—Ricketts skiier Ollie Gardner shown skiing down a brush covered slope in the Lilly Interhouse meet.

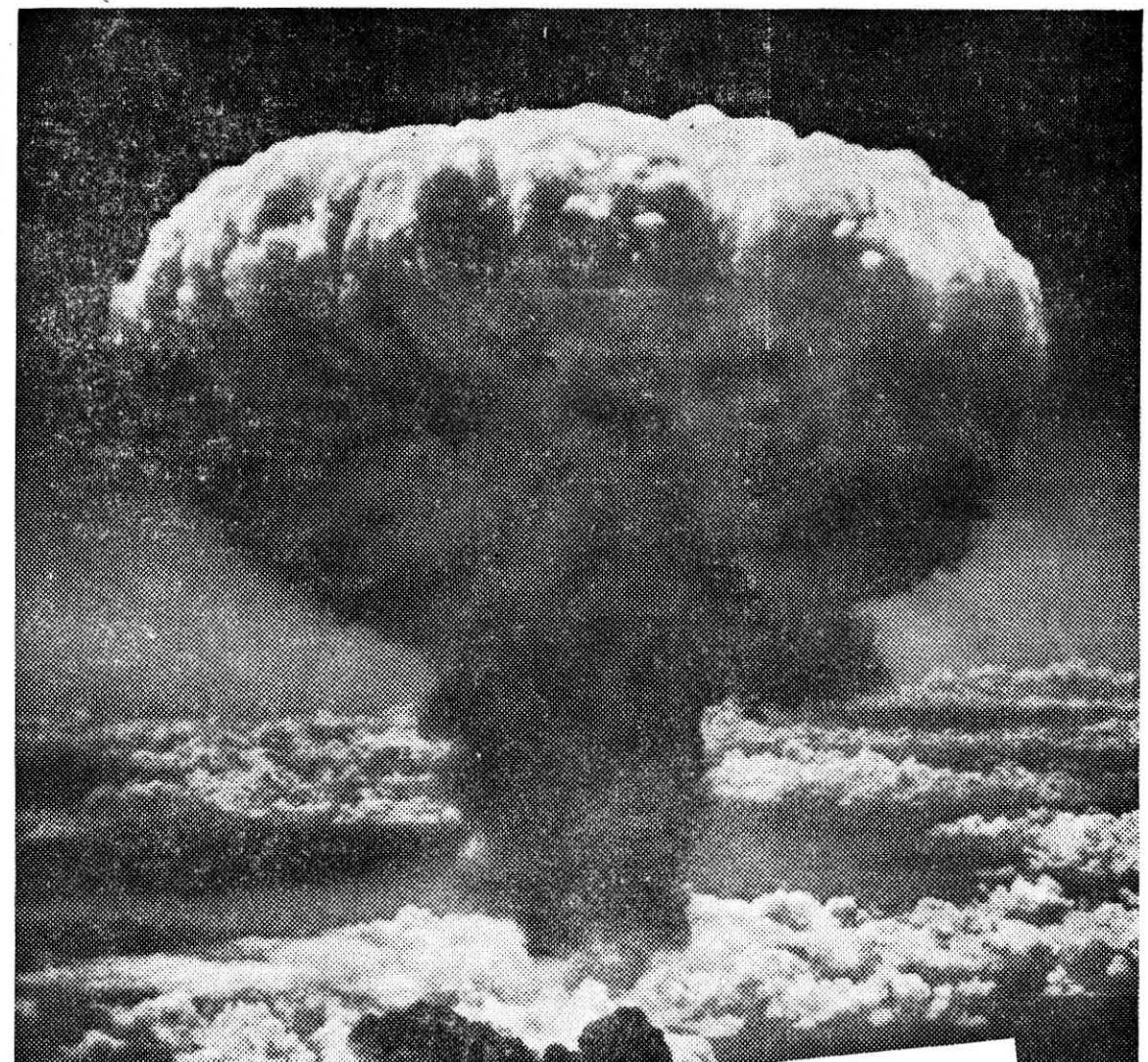
Beavers to Battle Bards

The Beavers hit the comeback trail tomorrow night at the Poet's Palace of Learning. You won't want to miss seeing the Engineers upset the bookies by trouncing the Whittier five and once again throw the Conference into a turmoil. If The Stoker can just get that eye again he could very easily pace the boys to a win.

Polemen Compete

The Interhouse Ski Meet produced a lot of laughs last weekend, along with some very fine skiing. Bob Walquist led the festivities in the former by execut-

ing a very difficult maneuver known as Bathtubing. However with the Moose it was more like "Swimming Pooling." He chose to perform this exquisite feat at the finish line of the Slalom much to the joy of the boys who followed him down the slopes. The fine skiing department was handled by Gardner, Burrows, Blum and Bradley, all of whom went the distance without nicking too many boulders. If the second meet finishes like Sunday's, Dabney will have to unbolt the trophy from their mantle in order to carry it over to its new resting place in Ricketts.



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TECH GRABS 4-WAY SKI MEET

Ricketts Skiers Nab Interhouse

The Ricketts House ski team rode roughshod over all contenders in the Interhouse Ski Meet at Snow Valley last Sunday, taking five out of the first seven places. Dabney placed second with Fleming and Blacker taking third and fourth respectively.

Ollie "Speed of Light" Gardner, red-headed Ricketts ace, set the pace on the short slalom course, proving himself to be greased lightning on the boards. Not satisfied with his first speedy run, he turned on the rocket power to cut his time from 18.2 seconds to 16.8 on the second trip. The second best pair of times was turned in by Pete Price, also of Ricketts. A close 0.3 seconds behind Price, Jim Blom took the third spot for Dabney. Bill Bradley, Ricketts, and Sage Burrows, Dabney, took fourth and fifth place with Mary Blair and Blouke Carus both of Ricketts, taking sixth and seventh.

Larry Brundred, Tech grad student and ski enthusiast, set the course on a gentle slope near the Caltech Ski Club hut. In spite of clear skies and melting temperatures, the snow conditions were excellent. The course remained in good condition in spite of holes made by several less experienced but enthusiastic skiers, notably "Bathtub" Walquist.

Win Soule acted as official starter and Ulrich Mertin held the stop watch.

All houses were able to field a full five man team with the exception of Blacker, which was represented by Mason, and Throop.

Individual Records

Name	Total Time	Place	Caltech (48)	Frosh (22)	Frosh (22)
(Two Runs)			Rehwoldt (10)	F.	Sereno (8)
Gardner (R)	35.0	1	Chapman (10)	F.	Sereno (8)
Price (R)	37.8	2	Newels (12)	C.	Butler (25)
Blom (D)	38.1	3	Grundeman (2)	G.	Brewer (7)
Bradley (R)	40.2	4	Phillips (8)	G.	Greutert
Burrows (D)	40.7	5	Halftime score: Whittier, 25; Caltech, 24.		
Blair (R)	42.4	6	Scoring subs: Whittier—Benedetti, 2;		
Carus (R)	47.8	7	Jenkins, 2. Caltech—Libby, 6.		
Mason (B)	49.3	8			
Whist (F)	52.0	9			
Jarmie (D)	54.0	10			
Fairall (F)	54.2	11			
Whittlesey (D)	56.3	12			
Dufort (D)	69.9	13			
Richards (F)	42.1	14			

House Standings

Team	Time	Points
(3 Best Men)		
Ricketts	113.0	100
Dabney	132.8	85
Fleming	188.8	60
Blacker		33

CALIFORNIA INSTITUTE OF TECHNOLOGY 1948 TRACK SCHEDULE

DATE	VARSITY	FROSH
Sat., Feb. 21.....	Interhouse meet	Interhouse meet
Sat., Feb. 28.....	Interhouse meet	Interclass meet
Sat., March 6.....	Conf. Relays at Oxy	Conf. Relays at Oxy
Sat., March 13.....	AAU Relays at L.B.	AAU Relays at L.B.
Sat., March 20.....	Vacation	Vacation
Sat., March 27.....	Vacation	Vacation
Fri., April 2.....	CT-Sta. Barb at Oxy	CT-Sta. Barb at Oxy
Sat., April 3.....	CT-Sta. Barb at Oxy	Redlands at Caltech
Sat., April 10.....	Redlands at Caltech	Redlands at Caltech
Sat., April 17.....	Pomona at Caltech	Pomona at Caltech
Sat., April 24.....	Whittier at Caltech	Whittier at Caltech
Fri., April 31.....	Conf.meet at Caltech	Conf.meet at Caltech
Sat., May 1.....	Conf.meet at P'mna	

SLACKS

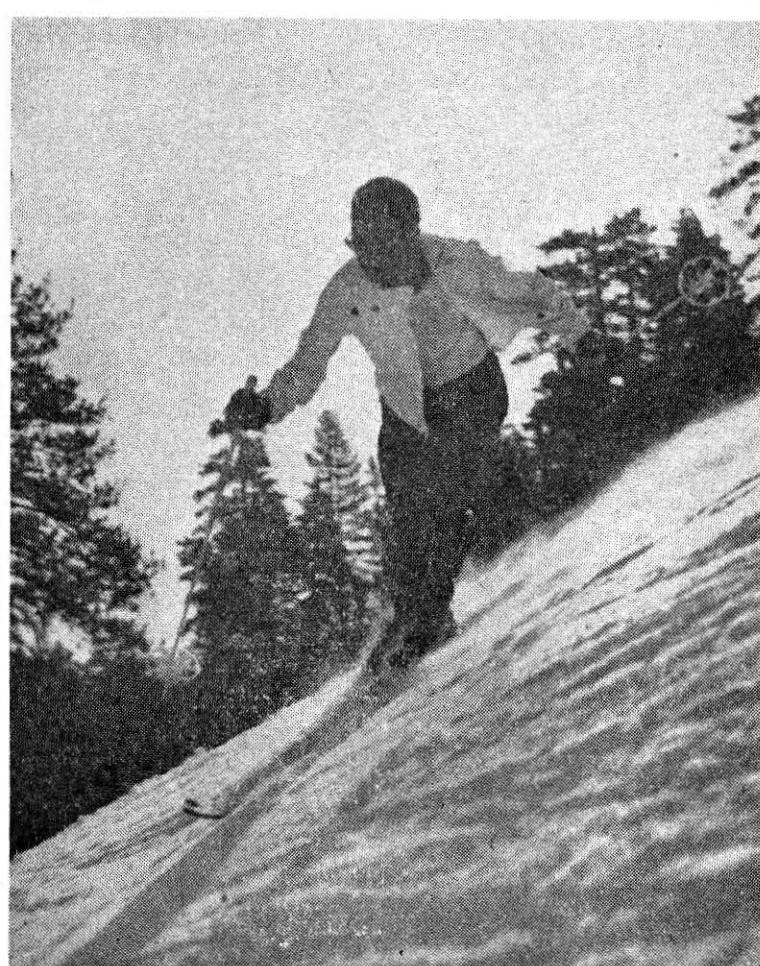
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IDEAL CONDITIONS—Ricketts Skier Marv Blair is outlined against the skyline as he passes the camera during the weekend skifest at Snow Valley. Snow conditions were near-ideal.

Beaver Sports

Ricketts Climbs In Bowling League

Ricketts nosed ahead of Fleming by one game to gain second place in the interhouse bowling league this week. Credit for this feat goes to Ricketts No. 2 team, which trounced Fleming's No. 2 team 4-0. High team series of the week also went to Ricketts No. 2 with 2111, while Throop No. 2 rolled high game of 733. House standings now read: Throop, 52 wins; Ricketts, 36; Fleming, 35; Dabney, 30; and Blacker, 27.

Individual Scoring

The individual spotlight this

week shines on Ray Heggland of Throop for his 536 series and 215 game. Following him for series honors are Bill Cootes of Fleming with 510, Bob Benton of Throop with 508, and Bob Levy of Ricketts with 502. Second best game was rolled by a newcomer, Galt Booth of Throop, with 197.

At the present time six men boast averages of 160 or better. These men, who may form the nucleus for any intercollegiate team, are as follows: Woody (Continued on Page 6)

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EASILY BEST OXY, POMONA, AND PCC

The Tech ski team showed its power last Saturday by taking four out of six places in the Inter-Collegiate Slalom and Downhill meet with Pomona, Oxy and Pasadena City College at Snow Valley. Oxy was not able to field a five man team and therefore could not qualify. The teams climbed to Slide Peak early in the morning to pack the hill for the races, while the course was set. The meet got under way at 11 o'clock with a downhill race over a fast half mile course. The best time in this event was turned in by Haywood of Occidental, with McKenney and Schurmeier of Tech taking second and third. The fifth and sixth berths went to Carus and Blom of Tech, while Bill Bradley took seventh place. Ollie Gardner and Pete Price also raced for Tech, but the former was handicapped by an injury received earlier in the day.

Pomona Loss Puts Beavers In Fourth Spot

The hapless Beavers dropped another notch in the conference standings and are now but one game ahead of the cellar-dwelling Redlands Bulldogs by virtue of their 58-to-47 defeat at Pomona last Friday night. It was the Engineers' fourth league loss in a row and dropped them into fourth place with a record of 2 and 4. The Sagehens now occupy third position with 2 and 3.

Beavers Fall Behind

Baskets by Liddle and McCall started the Sagehens off on the victory trail and the Beavers were unable to even tie the score from that point on. Long shots by Bob Stokely and Paul Saltzman's work under the bucket did enable the Beavers to cut Pomona's lead to 12 to 10 midway in the first half, but the Sagehens' fine center, Locke Olson, led a rally which gave the fowls a 30-to-21 half-time margin.

Tech Attempts Rally

A Beaver rally at the outset of the second half threatened the Sagehens' lead, but after pulling up to a 37-to-34 deficit, the Engineers ran out of steam and Pomona tucked away its second straight conference win.

Stokely Scores High

Pomona's Olson was the difference between the two outfits as the lanky pivot man poured in 10 baskets and five free throws for 25 points. Bob Stokely was high for the Beavers with 14 points on 7 long one-handers while Saltzman followed closely with 13.

The pennant race has narrowed down to a two-way race between Occidental and Whittier. At present they are tied for first place with records of 5 and 2 with but one game left to play. Oxy's final fray is with the tail-end Bulldogs from Redlands while the sole obstacle to the Poets' title defense is the Beaver five. Scoring:

Caltech (47)	Pomona (58)
Montgomery (5)	F. Welsh (10)
Bass (6)	F. Redfield (7)
Saltzman (13)	C. Olson (25)
Stokely (14)	G. Liddle (8)
Furth (2)	G. McCall (2)
Tyson (4)	G. Graas (6)
Vreeland (1)	

Downhill	Time
1. Haywood (Oxy)	33.8
2. McKenney (Tech)	35.5
3. Schurmeier (Tech)	36.2
4. Alworth (PCC)	37.7
5. Carus (Tech)	37.8
6. Blom (Tech)	38.1
7. Bradley (Tech)	39.1

Slalom	Time
1. Schurmeier (Tech)	31.0
2. Blom (Tech)	34.0
3. Haywood (Oxy)	34.7
4. Alworth (PCC)	34.9
5. Carus (Tech)	35.5
6. McKenney (Tech)	35.7

Combined	Time
1. Schurmeier (Tech)	69.1
2. Haywood (Oxy)	71.1
3. McKenney (Tech)	74.0
4. Blom (Tech)	74.5
5. Alworth (PCC)	75.1
6. Carus (Tech)	75.9

Teams	Time	Points

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Writing Contests in Poetry, Alcoholism

Two contests in the field of writing have been announced for college undergraduates.

The Estate of Senator J. D. Phelan is offering \$1000 to the winner in a poetry contest. Contestants must be native Californians between the ages of 20 and 40. Applications may be obtained from J. D. Phelan Award in Literature and Art, 820 Phelan Building, San Francisco 2. This contest closes March 15, 1948.

Study of Alcoholism

\$500 in prizes are offered in an editorial contest by the Intercollegiate Association for the Study of the Alcohol Problem. The prizes are offered for short editorials, limited to 800 words, on the subject, "Applying Preventive Medicine to Alcoholism." June 30 is the deadline for entries in this contest. A bibliography on preventive medicine for alcoholism has been prepared by the Intercollegiate Association. It and other contest helps may be obtained from Edwin Maynard, 909 Webster Ave., Chicago 14, Ill.

RICKETTS CLIMBS

(Continued from Page 5)
Bratnaber of Throop, 167; Ray Heggland of Throop, 166; Bill Cootes of Fleming, 165; Bob Levy of Ricketts, 164; Bill Root of Ricketts, 161, and Roger Anderson of Ricketts, 160.

SPORTS ROUNDUP

(Continued from Page 4) licensed Norman Glick from duplicating his 42-point total against them. The real game of the week-end, though, will be Friday evening against Pomona in the Slide Rule Kids' final conference game. They took it on the chin from the Sagehens last Friday and will be gunning to keep that home record clean, and, incidentally, end up in second place in the league.

Fair Season

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PLACEMENT (Cont.)

All men must be interested in EMPLOYMENT IN THE EAST in Research and Development.

MARCH 3 AND 4—

INTERNATIONAL TELEPHONE & TELEGRAPH CORP., N. Y., N. Y. Mr. J. A. Nelson

ELECTRICAL ENGINEERS for the design and development of telephone and radio equipment and a few with special aptitude for basic research and development. Should be willing to go most anywhere in the world. Single men preferred unless married men willing to move around.

MARCH 1 TO 5—

STANDARD OIL COMPANY OF CALIFORNIA—Mr. Fred K. Ausfahl and Mr. F. Wyeth

RE-INTERVIEW OF MEN NOTIFIED

MECHANICAL ENGINEERS for the design and development of telephone and radio equipment and a few with special aptitude for basic research and development. Should be willing to go most anywhere in the world. Single men preferred unless married men willing to move around.

SEARCH WORK, PRODUCT DEVELOPMENT, PRODUCT DESIGN, DRAWING, PRODUCTION ENGINEERING, PLANT ENGINEERING, ETC.

METALLURGICAL ENGINEERS qualified for and interested in laboratory control, foundry work and manufacturing jobs.

CHEMICAL ENGINEERS with strong interest in mechanical products and processes who will qualify for laboratory control work.

INDUSTRIAL ENGINEERS qualified for production standards and processing work and training for supervision.

PHYSICS graduate students for research work.

Applicants should be interested in locating in Middlewestern states or in the East.

MARCH 9—

WESTERN UNION TELEGRAPH CO., San

Francisco, Calif. Mr. Sikora, SENIOR, and GRADUATE STUDENTS who have majored, or are especially interested and qualified for COMMUNICATIONS and ELECTRONICS.

MARCH 5 AND 8—

GENERAL MOTORS CORPORATION, Detroit, Michigan. Mr. Kenneth A. Meade

MECHANICAL and ELECTRICAL ENGINEERS qualified for and interested in research work, product development, product design, drafting, production engineering, plant engineering, etc.

MARCH 9—

GENERAL ELECTRIC COMPANY—4:30 p.m. to 5:00 p.m. there will be a meeting in 200 Dabney Hall of the Humanities, at which time Mr. Scarfe will outline the Test Course, living conditions and over-all program offered by General Electric Company.

All men being interviewed must attend and anyone else who is interested is invited to attend. It is very important to save the student's as well as the Company's time.

MARCH 10, 11 AND 12—

GENERAL ELECTRIC COMPANY, Schenectady, New York. Mr. H. C. Hill and Mr. Scarfe. Seniors and Graduates in ELECTRICAL and MECHANICAL ENGINEERING, PHYSICS and CHEMISTRY who are interested in working in the East.

STUDENTS SAY (Cont.)

coffee from me."

Pat Glover: "I say: If the commodity index is going down, it's a dirty crime for the price of coffee to go up. I think it's a swindle. I shall be forced to drink tea. Only even their boiled water is stale."

Bill Boutelle: "I think it is perfectly justified."

Francisco, Calif. Mr. Sikora, SENIOR, and GRADUATE STUDENTS who have majored, or are especially interested and qualified for COMMUNICATIONS and ELECTRONICS.

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FROSH CAGERS

(Continued from Page 4) gentlemen were responsible for 46 of Pomona's total.

The Frosh travel to Whittier tomorrow night to try to duplicate their recent win over the cellar-dwelling Poets. Game time is 6:45. Scoring:

Caltech (46)	Pomona (56)
Freise (13)	F. Herbener (15)
Sereno (4)	Shand (16)
Butler (13)	C. Addicott (7)
Brewer (5)	G. Hammon (1)
Stern (5)	G. Johnson (15)
	Halftime score: Pomona 28; Caltech 21.
	Scoring subs: Caltech—Libby, 6; Pomona—Holderman, 2.

Mr. H. E. Callahan of HANFORD ENGINEERING WORKS will interview Seniors and Graduates in CHEMISTRY and Graduate students only in PHYSICS who are interested in nuclear and research work and living in State of Washington.

Mr. Hill will talk to Seniors and Graduates in any option who may want to discuss working with them in the East and who were not interviewed in December.

MARCH 19— AMERICAN SMELTING AND REFINING COMPANY, Mr. R. C. Beckstead. For further details watch bulletin boards.

FOR INTERVIEWS SCHEDULED BEYOND THIS DATE SEE PLACEMENT BULLETIN BOARD.

Writing Contests in Poetry, Alcoholism

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Fair Season

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