

California Institute of Technology

Friday, February 21, 1947

No. 17

Volume XLVIII

Nominations To Be Made Friday

Attendance Urged For All at Meeting

Next Friday, February 28, at 11:00 a.m. in Culbertson, the Nominations Assembly will be held. At this time all candidates for ASCIT offices will be nominated in short speeches limited to one and one-half minutes. Acceptances will be merely a formal acknowledgment of candidacy and a chance for a look at the various candidates.

This assembly will be conducted in a somewhat formal manner, with ASCIT President Lang Hedrick presiding. Candidates and those giving nomination speeches will wear coats and ties.

Speeches at Dinner in Houses

The week between the nominations assembly and election day will be filled with campaigning and speeches. The candidates will appear at dinner time in all the houses for speeches, following a system of rotation so that the entire week will be occupied.

The rules on campaigning remain the same as before. All signs must be placed east of Throop Hall, with noon on February 28 the starting time for all publicity.

Election Rally March 6

The famed Tech tradition of the pre-election night rally will be continued this year, with Thursday, March 6, the date set for it. Dave Caldwell, in charge of the affair, promises a good show for all, so be sure to keep this date open.

Candidates...

In line with the California Tech's policy of giving its readers full coverage of all school events, next week's Tech will include statements from all candidates for ASCIT offices.

Candidates are asked to bring to the Tech office in Lower Fleming by Monday night statements by themselves or their nominators. These must be limited to 150 words per man, to be divided in any way between statements by the nominator and the candidate. Presidential candidates will be allowed 200 words for their platforms.

PLACEMENT CALENDAR

Feb. 26—General Electric Company - All men receiving degrees - Open.

Mar. 6—Atlantic Refining Company - Chemists, Ch. Engineers, Physicists - Open.

Campus Calendar

Friday, February 21—

Big T photographs of the Beavers, 12:35 p.m., and the Debating Club, 12:45 p.m., between Bridge and Kellogg. Basketball game. Redlands at Caltech.

Saturday, February 22—

Track Conference Relays at Occidental.

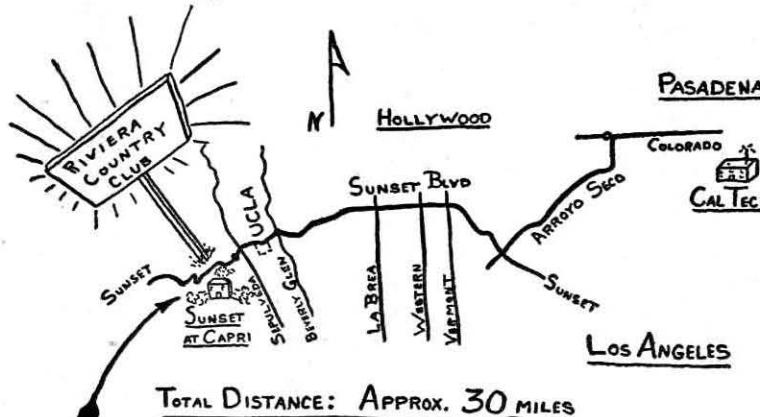
ASCIT Sport Dance. Riviera Country Club, 9 to 12 p.m.

Monday, February 24—

Big T photographs of the Board of Control and the Court of Tradition, 12:45 p.m. between Fleming and Rickerts.

Lecture by Dr. Paul Popenoe on "Making Marriage a Success" in 201 Bridge, 7:30 p.m.

ASCIT Sport Dance Tomorrow



\$10,000 Grant Made To Biology Division

Donation to Promote New Hormone Search

An annual grant of \$10,000, renewable each year for a period of five years, has been made to Caltech division of biology. The grant was made by the Herman Frasch Foundation for basic research work in the development and application of methods of enzyme and protein chemistry in the study of plant growth and development.

Caltech is Veteran in Field

The grant will enable the Institute to carry on further research in a field in which it has done notable work for the past 16 years. The present extensive use of hormones in the control of rooting cuttings, regulating flowering, inducing fruit setting and in differential killing of undesirable species of plants (weed killers) is one result of basic research work by Caltech plant physiologists in the past.

The Frasch Foundation grant will enable the biology department to search for new hormones which function in plants and to explore the possibility of their application from the outside as a means of further control of plant growth.

Jahns To Speak On Vital War Metals On Friday Eve.

Dr. R. H. Jahns, Associate Professor of Geology, will speak on "Some Strategic Minerals from the Southwestern States in World War II" at the Friday Evening Demonstration Lecture, Feb. 21, at 7:30 p.m. in 201 Bridge.

Dr. Jahns will include in his talk non-technical information concerning the mining and wartime uses of tantalum, beryllium, and sheet mica, three of the most vital metallic elements on the critical list of the war period.

Band Rehearsal in Culbertson Hall, 7:30 p.m.

Tuesday, February 25—

Big T photographs of the Radio Club, 12:35 p.m. East side of Blacker House.

Wednesday, February 26—

Frosh Luncheon Club at the Training Table, 12:00. Orchestra Practice in Culbertson Hall, 7:30 p.m.

Thursday, February 27—

Upper Class Luncheon Club at the Training Table, 12:00. Dancing Class, 7:30 p.m., in Culbertson Hall.

Glee Club Practice in Dabney Hall, 8:30 p.m.

Friday, February 28—

Student Assembly. Nominations and Acceptance Speeches for ASCIT offices. Caltech at Whittier basketball game.

Tomorrow night the Riviera Country Club will be the scene of this year's second Student Body Dance. This dance is free to all undergraduates, the only requirement for admittance being this term's Student Body Card. Dress for the occasion will be sport.

The mellow music of Jinmy Thomas and his sixteen musicians will fill the ballroom for dancing between 9 and 12 p.m. The terrace and golf course adjoin for those robust individuals who must have fresh air. For those who like it smoky and crowded, the downstairs bar will be open.

It is approximately thirty miles from Caltech to Riviera Country Club, so plan to leave early and follow the route in map above.

Private Tutoring Available, Free

"Y", Tau Beta Pi Offer Service to Frosh and Soph

Wes Hershey, Popular "Y" secretary, announces a new service to be co-sponsored by the "Y" and Tau Beta Pi. Private tutoring is now available to all frosh and soph students in any of their subjects.

There is no charge for this service and students interested should see Wes Hershey in the "Y" office to arrange for their time.

More Help Needed

The committee in charge of this service is: Burt Crumly, Merwyn Hodges, Bob Kenney, Dave Douglas, and Carter Sinclair. Any seniors or grad students who would be interested in helping in this worthy undertaking are urged to contact Wes Hershey.

Suspended Animation Study Renewed

Bio Labs Included In Guide Service Tours

Interesting experiments in the suspended animation of protozoa are now being carried on in the biological laboratories here at Caltech. This type of work was begun some seven years ago, but was discontinued during the war, and since the peace has been resumed only by the Institute.

In the experiment the protozoa are completely deprived of food, but have a continued supply of air and water. After a short while a process of "hibernation" begins, and the protozoa slowly lose all bodily characteristics to form cysts. While in this form the protozoa are impervious to food that may be added to the containing beaker,

so that a mixture of hay-yeast extract must first be added to the solution of the cysts. Part of this extract is taken through the walls of the cyst, and the process of revitalization begins. Just what part of the added mixture

Speech Turney Opens Today Twenty-Five Colleges Here

Over 200 Men And Women Throng Campus For Speech Event Of Year

Have you noticed a lot of strange faces on campus today? They were probably part of the 200 students and coaches invited here by the Gamma chapter of Pi Kappa Delta, Caltech's honorary speech fraternity, for one of the largest speech tourneys of the year, to be held today and tomorrow.

Twenty to twenty-five colleges and universities are represented including UCLA, USC, Redlands, Pepperdine, Pomona, PJC, and many others, both local and distant, some coming from Nevada and Arizona.

Over 50 Simultaneous Debates

Nearly every room on the campus that is not in immediate use has been reserved for the various contests, and there will be over 50 debates going on at one time.

The debate question will be: Resolved: That labor should be given a direct share in the management of industry. Caltech will be ably represented by Irving Sulmeyer, Thomas Vrebalovich, George Bowen, and Bill Woods. Girls, Too

Incidentally, fellows, not that you are interested, but over half of the contestants will be campus lovelies from the above mentioned colleges.

In addition to the debates there will be extemporaneous speeches on "Threats to World Peace," and impromptu speeches on "World Politics Since 1946." Orations

One of the high spots of the tourney will be a number of orations which the boys have been working on for the last few months and which promise to be very good. John Heath will speak on "Bilbo and the South," Paul Howard on "Why Burn Our Country," Irving Krumholz on "Has the United Nations Failed?" John Holmgren on "Is the College a Bush League," and Robert Stubbins on "Science vs. Religion."

Distinguished Guests

We will be honored by the presence of several distinguished guests including Dr. E. R. Nichols of Redlands who is Editor in Chief of the "Debaters Magazine," and Dr. Wesley Lewis who is the new director of the Department of Speech at UCLA.

The debates and speeches are open to students and the general public alike and all are invited to attend. There will be guides in the Dabney Lounge to direct you to whatever interests you.

Hear Ye! Hear Ye!

The Big T will accept any applications for lay out, drafting, and clerical work beginning immediately. The hours are variable and the length of service arbitrary. This work is essential to the completion of this year's annual. See E. B. Shaw of Dabney House if you are interested. Let's have a good turnout!

Seniors Hear G. E. Representative Mon.

Mr. Harold Hill of the General Electric Company will address all seniors and graduate students who are interested in employment Monday, February 24th, at 4:00 p.m. in Room 206 Dabney.

At this time he will speak of the opportunities General Electric Company has to offer: Its (Continued on Page 6, Col. 1)



Dr. Paul Popenoe

selor and founder and director of "The American Institute of Family Relations," who will deliver this, the last talk of the series on the subject of "Making Marriage a Success." Time and place will be the same: 201 Bridge at 7:30 o'clock next Monday night.

Suspended Animation Study Renewed

Bio Labs Included In Guide Service Tours

is responsible for this last action is yet undiscovered. After receiving the extract the cyst slowly retains its original form, gaining mouth and feet again, and in the final stage is exactly the same as at the beginning of the experiment. Since this has been seen to hold true even when animation was suspended for a period of two years, it is assumed that the process will work over any length of time.

Guide Service Leads Tours

The Caltech Guide Service under the joint sponsorship of the Beavers and the Institute is now conducting tours to these and many other interesting research projects now open for visit by the public. Those interested in attending these tours should come to the Y.M.C.A. lounge in lower Dabney or to the Registrar's Office at 11 A.M. or 3 P.M. Monday through Friday. Tours are 11 A.M. only on Saturday.

The California Tech

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The Honor Code

Since its inception in 1910, the Honor System has become more than merely a means of regulating conduct in examinations; it has broadened to include the entire range of student activities. It is the fundamental principle on which the whole structure of student and student-faculty relationships at Caltech has been erected.

The Honor System has only been successful in the past in so far as students at the Institute have believed in it and given its principles their unqualified support. For nearly forty years such support has been unanimous.

The Code is bigger than any individual; it must transcend all considerations, such as personal friendships, which tend to decrease its effectiveness.

The existence of an Honor System at Caltech is a privilege not to be taken lightly.

It is more than our right, as students, to uphold the code; it is our duty. In direct ratio with the degree of support given to the Honor System by all of us, Caltech will become a better place in which to study, and live.

Nominations

Next Friday, in meeting, Caltech students will exercise one of the cardinal privileges of life in a democratic community. They will nominate a body of men from whom they will select, by election, the officers of their corporate body for the coming year.

Every voting member of the Corporation will be vitally affected by the results of these elections; in order to reach an intelligent decision as to his choice for each office, each ASCIT member should make a maximum effort to be present at the nominations assembly, and to digest thoroughly the platforms of the various candidates when they appear in next week's edition of the California Tech.

Scholasticism Vs. Science

Engineering and Science

Unlike engineering, which aims solely at the development of commodities immediately useful to man, pure science of necessity must find alternative motives to inspire its work. To the static scholar it may be the valued dissemination of scientific principles to: (a) the engineer, who may make practical use of them and; (b) others who have a thirst for understanding. To the scientist the great physicist Max Plank says, "Science is not the idle resting on a body of knowledge, but the unceasing development of a more complete understanding of Nature." The questions a future scientist will ask are: (a) why should I contribute to science; (b) and if the associated impulse behind contribution is well grounded, do the current ideals of those sponsoring science best encourage it?

Contribute to Science?

The great satisfaction derived from creative work is secondary to the fact that the developments of the sciences today represent the technological progress of tomorrow. The inseparable dependence of social progress upon the development of science demands that the unique ideal of the scientist be Original Work. Simple and basic as this ideal is, scholars frequently substitute for it the false image of the Sublime Intelligence which they see as the facile quality of acquiring all known knowledge.

Is True Science Sponsored?

Does the "Ersatz Bild" of these scholars distort the atmosphere of American centers of learning? While the vast importance which must be attached to the acquisition of the disciplines and necessary tools for Original Work

(Continued on Col. 5)

Letters To The Editor

To the Editor:

Yes, I can say that I have thought a great deal about the position this country might have been in if it had not been for its armed forces. Also I have given considerable thought to what our position might have been if Hitler's Brown Shirts had not been equipped with shiny new American and British made automatics and machine guns, when they were destroying the economically stranded German Republic. The time to prevent war and aggression is in their early stages, when force is unnecessary. The way to prevent them is to be conscious of political and social evils in peace time as well as in war time. The way not to prevent them is to appropriate huge sums for the maintenance of peace time military forces. These are the lessons of the past whether one chooses to ignore them or not. If you are willing to admit that lasting peace can never be obtained by force, then it is illogical to say that we should use it just once more.

Let me quote Dr. Stafford L. Warren, who was the chief radiological safety officer at the Bikini bomb tests:

"Two atomic bombs—dropped on either side of the statue of liberty . . . could turn the whole of Manhattan into a ghost town for 50 to 100 years."

In a world in which this is possible, the only service conscription can render is that of insuring international fear and distrust.

Shaw has expressed the position of civilization very accurately in "Caeser and Cleopatra": "And so, to the end of history, murder shall breed murder, always in the name of right and

(Continued on Page 4, Col. 2)

The Honor System

In response to a request by ASCIT Vice-President Norm Lee, Chairman of the Board of Control, we are reprinting below the complete regulations of the Honor System.

In General

The Honor System came into being at the California Institute as an expression of the belief that mutual trust and respect constitute the happiest and most satisfactory basis for human relations. One of the most important benefits of college life is the experience which it gives the college community in living and working as members of a group with common aims and common interests. Such a benefit can be fully gained only if these group activities, both in class and out, are regulated and directed by a strong sense of individual honor and responsibility.

Consequently, through the long period since 1910 that the Honor System has been in force at the Institute, it has become more than merely a code regulating conduct in examinations; it includes all other scholastic activities as well, and serves as a fundamental principle of conduct for the whole membership of the student body in all their relations among themselves and with the faculty.

The success of the Honor System in the past and today is the result of the fact that many generations of California Institute students have believed in its principles and have given it their wholehearted support. They have made it the most widely respected and jealously guarded of all Institute traditions.

Its success must depend always upon the respect which it commands from every student, and his desire to place loyalty to his college and to the system above any selfish motive. And since respect for the Honor System depends in turn upon adequate familiarity with it, this description has been prepared so that every member of the student body and faculty may understand its aims and working principals.

Working Principals of the Honor System

The preservation of the Honor System is entrusted to the Board of Control. This body interprets the Honor System to the students and handles cases of violations, if any occur.

The Board of Control is composed of ten voting members and two ex-officio members without vote, as follows: two seniors, two juniors, two sophomores, and two freshmen, the Vice-President of the student body acting as chairman of the Board without vote, and the Secretary of the student body serving the Board without vote. The members are elected by their respective classes from candidates who not only can serve capably, but who also have such moral qualifications as will set a good example for the student body.

The System works in the following manner during examinations: when one student (the observer) sees or hears another student (the violator) obtaining or giving information pertaining to the examination, it is his duty either quietly to inform the violator that he has been observed, or to state before the class that he has witnessed actions which appear to have violated the System. If the violator continues the action after having been warned by the observer, or after the open statement of the observer, it is then the duty of the observer to report the case to the Board of Control. The case may be reported in writing or in person to the Board or to any member of the Board.

It is important to note that the entire success of the Honor System depends upon the attitude of the students in this matter. Failure to warn and, if necessary, to report violations will render the system inoperative. Personal considerations of friendship or a dislike of the consequences must have no weight if the system is to be maintained.

Whether or not the student may use books or consult with other students on home examinations, problems, or experiments, is a matter to be decided by the instructor in charge. These rules vary from class to class, and are to be conformed with, under the principles of the Honor System.

It is understood that the use of books and consultation with other students are proper in the working of problems and home examinations unless there is a specific understanding to the contrary.

It is the duty of an instructor, if he observes a violation of the System in class, or knows of one outside class, to report the case to the Board of Control.

The Honor System applies also to the observation of library regulations, to general assembly conduct, and to the filling out of Assembly slips. Failure on the part of a student to treat these matters with due regard is considered a breach of the trust placed in him by the faculty and his associates, and thus, a violation of the system.

Procedure

When an investigation is held, the Board hears all the information it can obtain on the case. The defendant may bring before the Board any witnesses he desires. When the Board is satisfied that it is entirely familiar with the circumstances of the case, it decides either upon dismissal of the case, or punishment in a manner commensurate with the seriousness of the violation.

The punishment varies from the withdrawal of certain student privileges for minor violations to expulsion or suspension

from the Institute for serious offenses. In the matter of expulsion or suspension, the Board can only make recommendations to the Institute faculty. This applies whenever the punishment is of a type that involves the student's relations with the faculty. The faculty may or may not carry out the recommendations of the Board, but in the past the faculty has consistently approved in substance the recommendations of the Board. Once a man is suspended, final decision in the matter of reinstatement rests in the hands of the faculty, but the Board can make further suggestions as to the continuance of the sentence or reinstatement of the student in the Institute.

During the proceedings, absolute secrecy is observed, in order to protect the defendant. Disclosure of any proceedings is considered a violation of the Honor System. However, if the Board deems it wise to acquaint the student body with the procedure of the various types of cases, it may do so, all names being withheld. These sample cases are published periodically in the CALIFORNIA TECH.

Minutes of all meetings of the Board are kept, including names of all persons concerned. These minutes are kept under lock by the Dean of Students, and may be obtained from him only by the Chairman or Secretary of the Board, when on official business.

(Continued from Col. 1)

should not be underestimated, the philosophy that this acquisition is sufficient, in and of itself, is utterly false. Because of this unspoken, sterile doctrine, so prevalent in America today, many men contemplating the scientific life are disillusioned in this philosophical bog which denies them the inspiration of beauty in the creative ideal.

The purpose of this article has been to clarify the need for an atmosphere more genuinely conducive to scientific progress.

—Hal Banbrook
John Bauer



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**CONFERENCE
RELAYS
TOMORROW**

Dabney Tennis Team Wins Discobolus

Blacker Challenges In Water Polo

By winning three out of four matches, the Dabney tennis team put the Discobolus on the Dabney mantel for the first time this year. Since three out of four matches of the contest had been won by Dabney at the time of the last match, that match was not played, leaving the score 3-1.

The Court Story

Phil Lamson, Dabneys number one player, opened by defeating Bob Walquist, who was placed in Fleming's number one spot, 6-1, 6-0. Lamson, rated about 4th spot on the Tech tennis ladder, had little trouble in winning handily.

In the second match, Swerling, of Dabney defeated Price, from Fleming, 6-2, and 6-1, and the third match saw Hamilton from Dabney best Stokeley of the Big Red, 6-3, and 6-4. Stokeley started like a house afire, winning the first 3 games, but Hamilton caught fire himself and took the next 6 games, gaining an advantage that he never lost.

Fleming's one victory came through the play of Shore, who defeated Ottestad of Dabney, 6-3, and 6-4. As in the other matches, so in this one, superior play told the story.

Blacker Challenges

To date, Blacker has kept the discus thrower on their mantel for the longest period of time this year. They held it all through the first term, and well into the second, until Fleming stopped them in track. Fleming then kept it for 3 weeks, before losing possession. Just how long Dabney can hold it is a question which will have one answer next week when they defend it against Blacker in water polo. With many of the first string splashers, Blacker stands a good chance to regain possession of the trophy.

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Beaver Sports

**BEAT
REDLANDS
TONIGHT**



Ted Bowen in a Setup at Oxy Game

Conference Relay Meet To Be Held At Occidental College Tomorrow

"Doc" Hanes Expects Tech Trackmen To Encounter Rough Competition

The Intercollegiate Conference Relays are scheduled to be held tomorrow at Occidental College on Patterson Field, starting at 2:00 p.m. This is the first big meet of the season, and not very much is known about the other teams; but "Doc" Hanes has been giving the track men a

good workout, and the Tech spikemen should win their share of the honors.

Schedule of Events

2:00. The 100 yard dash with Funk, Shaller and Root.

2:15. Four man mile (JV), with Green, Terwilliger, J. Marshall and MacLean.

2:30. The 100 yard dash finals.

2:45. Distance Medley with Simons, Barnes, D. Brown and Cole.

3:00. Four man 880 with E. Brown, Shaller, Funk and Shauer.

3:15. Four man 880 (JV) with Madden, Green, Schroeder and MacLean.

3:45. Sprint Medley with D. Schroeder, Madden, Kariotis and Marshall.

4:00. The Four Man Mile with E. Brown, Simons, Barnes and Shauer.

Pole Vault: G. Brown, Francis, Comlossy, Walt. Discus: Tillman, Muehlberger, Bennett, W. Marshall.

High Jump: Walt, Stiles, J. Marshall.

Broad Jump: Chinn, Schroeder, Stiles. Shot Put: Tillman, Marshall, Bennett. Javelin: Smith MacLean and Tillman.

Sailor: "Is this ice cream pure?"

Waitress: "Pure as the girl of your dreams."

Sailor: "Gimme a pack of cigarettes."

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Tigers Trim Tech Cagers 51-23 In League Contest

Meet Redlands Tonight In Last Home Game

Occidental's fighting Tigers pushed their way to a 51-23 victory over the Varsity basketballers last Saturday night on the winner's floor, making it two wins to four losses in league encounters for the Beavers quad. The lid was clamped tight on the Techmen's hoop while the Bengals sank everything in sight.

Throughout the game, Tech showed lapses in ball handling which Oxy took full advantage of, making two on almost every interception.

Gargantuan Jim Black hovered over the Beaver center, Paul Saltman, holding him to four points for the evening while Black raked off 10 for the Occidental cause.

Regulars Out

The absence of Harry Moore and Jay Montgomery, Tech regulars, was heavily felt as Oxy outplayed the Beavers most of the game.

Guard Bill Cox played a strong game, as did the surprise boy of the season, Manuel Bass, who netted six points at his forward position. Mullen and Stokely, Tech guards, each pulled in four counters.

Meet Bulldogs in Home Finale

Tonight, at 8:15, Caltech lines up at the Armory against Redlands in the last home game of the season. The Beavers will be out to avenge the loss suffered at the hands of the Bulldogs earlier in the season. Winning this game will give the Varsity a chance to break even when they meet Whittier the following week.

The Junior Beavers meet Redlands tonight in an attempt to repay the 46-27 deficit of a previous game. Game time is 7 o'clock.

Caltech (23) Occidental (51)

Bowen (3) F. Olson (5)

Bass (6) F. Burton (2)

Saltman (4) C. Wheaton (5)

Cox (1) G. Hankins (10)

Mullen (4) G. Cornell

Half-time score: Caltech, 15;

Oxy, 21.

Scoring subs: Caltech—Rumer (F.), 1; Stokely (G.), 6. Occidental—Doty (F.), 2; Black (C.), 10; Golixson (G.), 5; Jackson (G.), 2.

Jayvee score: Caltech, 20; Occidental, 52.

Sailor: "Is this ice cream pure?"

Waitress: "Pure as the girl of your dreams."

Sailor: "Gimme a pack of cigarettes."

Fleming Captures Interhouse Spike Crown With Ease

Fleming Relay, Brown, Schroeder Break Records

The eager Fleming trackmen won an undisputed first place in last Saturday's interhouse meet, capturing twelve first places out of a possible fifteen, and rolling up a total of .88½ points. Dabney was second with 35 points, followed by Blacker with 30½, Ricketts with 9, and Throop 2.

Records Broken

Three meet records were broken, all by Fleming talent. Erle Brown slashed the 440-yard dash time from 54.1 seconds to 53.5 seconds in an excellent performance. Dwight Schroeder set a new record in the 120-yard high hurdles with a time of 17.0, and the Fleming relay team composed of Dave Madden, Chuck Norman, Art Viewig, and Erle Brown lowered the time of the half-mile relay to 1:36.0.

High Scorers

Individual high scorer of the meet was Erle Brown who with three first places and being a member of the winning relay team gathered 16½ points. He was closely followed by Schroeder with 15, and Dudley Bennett with 12. Other men winning events were Doug Brown and Art Viewig of Fleming, Martin Walt of Dabney, and Jack Marshall of Blacker.

Meet Results

2-Forester (F); 3-Sellen (F); 4-Mile: 1—Brown, D. (F), 5:09.0; 2—Forester (F); 3—Sellen (F); 4—Comlossy (B).

440: 1—Brown, E. (F), 53.5; 2—Kariotis (D); 3—Terwilliger (T); 4—Price (F).

100: 1—Viewig (F), 10.5; 2—Root (R); 3—Green, J. (D); 4—Madden (F). 120 HH: 1—Schroeder (F) 17.0; 2—Gentile (D); 3—Houser (R); 4—Baker (F).

880: Marshall, J. (B), 2:10.0; 2—Carson (F); 3—Kariotis (D); 4—Stone (R).

220: 1—Brown, E. (F), 23.2; 2—Viewig (F); Green, J. (D); 4—Cornelius (B).

220 LH: 1—Schroeder (F), 27.2; 2—Herzig (D); 3—Norman (F); 4—Gentile (D).

2-mile: 1—Brown, D. (F) 11:56.0; 2—Forester (F); 3—Sellen (F); 4—Stone (R).

880 relay: 1—Fleming, 1:46.0; 2—Dabney; 3—Blacker; 4—Ricketts.

Shot: 1—Bennett (F), 37' 11½"; 2—Marshall, W. (B); 3—Muehlberger (D); 4—Rosener (R).

High jump: 1—Walt (D), 5' 10"; 2—Stiles (B); 3—Marshall, J. (B); 4—Scull (F).

Discus: 1—Bennett (F), 110' 7"; 2—Marshall, W. (B); 3—Muehlberger (D); 4—Lovelace (F).

Broad jump: 1—Schroeder (F), 19' 6"; 2—Stiles (B); 3—Herzig (D); 4—Comlossy (B).

Pole vault: 1—Dalt (D), 11' 0"; 2—Francis (F), Tarbel (B) (tie); 4—Comlossy (B).

Javeline: 1—Brown, E. (F), 133' 4¼"; 2—Tarbel (B); 3—Bennett (F); 4—Lyon (F).

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Interhouse Bridge Tourney Close Race

The bi-weekly Interhouse Bridge Tournament fostered by Jack Froehlich of Throop Club continues closely contested, with Blacker, Throop, and Dabney neck and neck. With three more meetings to play, any house can win possession of the Perpetual Interhouse Trophy during the Spring Semester. At present after two sessions Blacker, with two second places for six points, leads Throop and Dabney with their five point tie gained by single first places. Froehlich and Lane of Throop and Evans and Kahn of Blacker seem the consistent pairs.

Intercollegiate Tourney

Wednesday the twelfth was the occasion of the Caltech participation in the National Inter-collegiate Bridge Tournament. Under the supervision of Carl Savitt a set of 18 problem hands were played in the Athenaeum Card Room by four teams representing Caltech: Froehlich-Lane of Throp, Evans-Kahn and Werner-Flam of Blacker, and Worcester-Tracy of Ricketts. Records were kept of each card played and these records forwarded to Chicago for comparison with similar records from 15 other Western schools. From these results two teams will be chosen to represent the West at the National Finals in Chicago during the middle of March. The local players are bemoaning some of their less brilliant plays while they are waiting with some eagerness for the wires which will shortly be sent the winning teams. The prize for the Zone Finals is an expense-paid trip to Chicago where the finals will be played with flesh and blood opponents and non-trick hands. No pun.

There have been some complaints about the handling of the local tournaments, however it must be remembered that with only a few teams present for play the problem of setting up rotation sequence is much more difficult than with more teams. Also the tournament is held beginning at 7:30 not 7:45 or 8:00. In the future a maximum time of ten minutes will be allowed for play per board. Any team not finishing the board in the allotted time will be required to take an average on the board. This will make possible the completion of the tournament by 10:00. Let's have a good turn-out

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- 'Artistry Jumps' — Cap. 229

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Musical Baedeker

Benny Goodman, currently enjoying California weather following the recent collapse of his band, has reportedly become quite Russian-conscious. He is being wooed for the position of musical consultant for a series of radio programs to be beamed directly into Russia by the State Department. Furthermore, he is negotiating for a tour of Russia with a trio consisting of himself, a pianist, and a drummer.

Benny Goes Longhair

If the Russian deal comes through, Goodman is considering the possibility of appearing as clarinet soloist with the Moscow Symphony Orchestra. In the meantime, however, he will continue his regularly scheduled radio broadcasts using a studio pick-up crew. He has recently commissioned Composer Paul Hindemith to write a clarinet concerto for him, to be used as a featured selection during his concert tour next winter. Aaron Copland and Samuel Barber have been similarly approached.

British Music to Be Heard

On Sunday night the Caltech Musicales will again present a program of compositions by Anglo-Saxon composers; this time the works of British artists will be featured. The selections will include Gustav Holst's THE PLANETS, Vaughan Williams' SYMPHONY IN F MINOR, and shorter compositions by Eric Coates. The very interesting musical score from the H. G. Wells motion picture, THINGS TO COME, will also be played.

Musicales Programs

Persons who wish to receive Musicales programs regularly are invited to notify the organization in the near future. Notices may be sent directly to the Musicales, Caltech, or may be deposited in the V box in lower Throop.

(Continued from Page 2)
honor and peace until the gods are tired of blood and create a race that can understand." The atomic bomb has made this murder so prodigious that it is necessary for man to relieve the gods of their destined responsibility and alter a hypocritical society which insists that murder is illegal except in times of war.

VERNON L. SMITH.

for Wednesday, February 26, at 7:30.

Campus Brewin's

Phone Appeal

Night life of the Techman took a dignified turn last week in contrast to the previous one as formal dances were the Valentine Day theme.

Dabney's affair at the Pasadena Athletic Club attracted a good crowd as couples dined and danced to the music of Rex Stewart's own band.—Hank Wheeler roused a laugh with his version of "Barter's Little Pills for the Panacea".—Fullerton proved himself all-time champion of flammers with a magnificent demonstration. He ended up practically dripping flame all over.

Scripps Formal

Tech was well represented at the Formal out at Scripps last Saturday. Among those present were, Pointdexter, Hickey, Vrabeck, Burroughs, Van Derlan, Worcester, Forrester, Honnold, Boutelle, Stix, Schuyler, D. Johnson, Wright, Caldwell, Viewig, and N. Long. Viewig had a really sharp looking woman. Some people surprise you, don't they? Vrabeck was doing better on crutches than any of the Pomona men were without.—Notice to the Scripps Social Committee: Techmen may be awful boors but their mothers did teach them to eat icecream with a spoon.

Who's So Sexy?

You may recall that little item the other week about a certain "oversexed woman." Well, since that time at least half a dozen Scripps women have had the audacity to assume it referred to them. Easy girls, don't be so eager. Line forms outside my room

Oxy Mixer

Aside from a large group who proceeded to drown their sorrows at the Skip Inn after the Oxy basketball game, most of the Techmen stopped by to see what gave at the much publicized mixer. General opinion was that there was a severe shortage of women and that all those worthy of a true Engineer's taste were well taken care of.

That's not my personal opinion as I didn't get over there.—Ken Gardner consumed most of the ice-cream served.—Stu Butler took Jim Wilcox' girl, Peggy, to the Oxy game in real style. Borrowing Rinehart's magnificent '26 Cadillac, he made out OK until the starter gave out and he spent 45 minutes waiting for aid and another half-hour before he finally got started again. Nobody knows how long he took to get home.

House Party

Myron Arcand and Ralph Lovberg, Blacker frosh, set out last Saturday evening with high hopes after receiving an invite to a would be "house party" given by Helen Pierpoint. Entertainment consisted of such games as "hart", "cootie", and stacking matches on milk bottles. Following dancing in the garage while little brother acted as chaperon, cookies were served, and then the excitement perked up as guests settled down to solitaire. However, when Helen took out her knitting our gentle heroes decided the party was getting a little too rough, and left.

Bob Heppe, Blacker man, decided to do more than gripe about high laundry prices. He bought a washing machine, and, by renting it out at 50 cents a wash, is letting it pay for itself.



**It's the first of the month—
every few days.**

The first few days of the month were once a time of feverish activity for telephone accounting personnel. In that short period millions of telephone bills had to be prepared, checked and mailed. But the Bell System accounting staff, seeking to level off this work peak, found a practical solution.

It's called "rotation billing."

Now in our accounting departments, a new month begins every few days. Accounts are divided into six or more

even groups, each with a different billing date. This spreads the work evenly and eliminates the old last-minute rush.

This special problem, solved by telephone accountants, is typical of those which often confront management in the many branches of our business. They present a stimulating challenge to the young men with initiative and imagination who will find just such practical solutions... young men who find telephony an exciting and rewarding career.

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The Front Burner**The New Moonlight Rollerway**

For an evening of entertainment and the best in skating, you'll enjoy the New Moonlight Rollerway at 3645 E. Colorado Street, where you can skate every evening from 7:45 to 11.

Mr. Gumaer, Our Host

Many students have skated at the Rollerway, the site of many house functions, while others have never been there. Mr. Stoddard Gumaer, the manager, would like to extend to all students at Caltech an invitation to come out to the rink some evening as his guest. There are no strings attached to this offer, he just wants you to enjoy yourselves and become acquainted with the Rollerway and see what they have to offer in the line of entertainment. As his guests you are given free admission and skates on ANY night, the only charge being the 11 cents government tax.

Bring Your Girl!

Mr. Gumaer, in his attempt to make the evening enjoyable, will allow a Caltech student to bring his date, and she will be admitted too, at no extra charge except the tax. Just clip out this coupon and present it at the box office.

This Coupon entitles the Bearer to FREE Admission and use of clamp-on skates at THE NEW MOONLIGHT ROLLERWAY
Shoe Skates available at regular rates. Federal Tax MUST Be Paid at the Box Office. Void after May 1, 1947.

"Whitey" on the Hammond

"Whitey" Nienkamp is featured at the Hammond Organ, and he's there to play the music you enjoy. The Spun Glass Ceiling, the new lighting effects, and the organ combine to present an ideal atmosphere. To make the evening enjoyable for the majority they expect their patrons to dress and act properly (Levi's and dungarees prohibited), and in return give you the best in facilities and services.

Free Records

An added feature on Friday and Saturday nights is Tune-O, with 50 new records being given away over the week-end.

Championship in May

Under the able direction of Manager Stoddard Gumaer, the Rollerway has developed and expanded until it is now one of the best rinks in the country. The Rollerway has just been chosen as the site for the United States Amateur Roller Skating Association's State Championship for 1947, to be held on May 4 of this year.

—Lewis L. Grimm.

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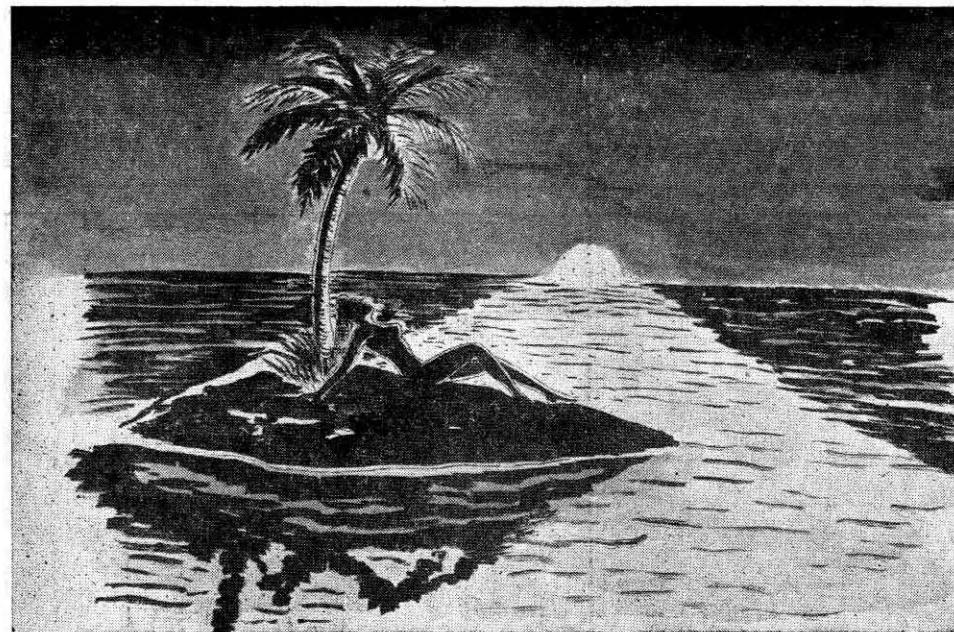
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"Family Wage Vital" Popenoe Tells Forum

Dealing with the importance of the family wage system, the necessity for similarity, adaptability, and partnership in marriage, and the effects of various pre-marital relationships on wedded bliss, Dr. Paul Popenoe, well-known counselor and founder of The American Institute of Family Relations, delivered an interesting and factual address on "The Sociology of Sex" to an exceptionally well-attended meeting of the Y.M.C.A. Forum series last Monday night in 201 Bridge.

Schools Biggest Marriage Bureau

"Most of today's married couples met in school, and associations started in the homes of friends or in business also frequently lead to matrimony," declared Dr. Popenoe to his 175 listeners.

Dr. Popenoe cited statistics demonstrating the importance of a long friendship period followed by a long engagement.

"The handling of money, rather than the total amount of money earned, is one of the most frequent causes of marital difficulties," he stated, adding that an allowance with which she can do as she pleases is necessary to the self-respect of the wife.

Family Wage Declared Vital

Dr. Popenoe went into detail about the mechanics of the family wage system, declaring, "The cause of the low birth rate of the better-educated classes is the economic fact that, at present, every addition to the family represents a cut in real wages, and therefore a lowering of the standard of living. Fixing a basal wage, with allowances for the real costs of dependents, and using an equalization fund, would cost no more, since it would be only a redistribution of present wages. Giving men the same real wages for the same work is being worked successfully in other countries, and is sound economically, eugenically, and morally."

"Did you take a shower?"
"No, is there one missing?"

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Ship-Wreck Dance Bids Now On Sale

Saturday evening, March 8th, brings an opportunity to Tech students that is second to none. On that evening, a Ship-Wreck Dance has been planned for your enjoyment. This dance is not free but will cost the grand sum of \$1.50 per couple. Bids are now on sale in each house (see your UCC) and a representative will be in Throop Club from 12:30 to 1:00 each day for the next two weeks. Make your plans now to attend this dance of dances. What would your attire be if you were ship-wrecked on a small island and had been there for some time?

Field And Court

Wandering around the campus, I happened to notice the fencing club. To my inexperienced eye, they seemed to be working quite hard; and, in case you don't know it, fencing is no easy sport.

The Gay Blades

Colonel Cherney (a flick of the wrist, touche, two dozen roses to the widow) seemed to be in great style. Perhaps if he had more material, Tech might have a team. If any of you gay blades feel as though you might enjoy the real thing, drop into Dabney Hall basement after dinner on Tuesdays.

The Fleming Boys were in great style in the recent track meet, but they tell me that Alley 1 did all the work.

Not So Dumb After All

After that lousy soccer article, written by a so-in-so in Ricketts, the Fleming Boys have decided to be well represented on the paper, in fact, half the sports staff are Flemingtons. Now if someone would write other articles like that about each of the other houses . . .

Several of the country-club boys have been seen to leave the houses carrying golf clubs. Is it a social necessity, or do they really play? Perhaps we may yet have a golf team . . .

Beach Athletes

Several football players don't like the idea of spring practice very much. I hear that they want to swim instead. Perhaps they would prefer to sit on the beach, or am I giving away too many secrets?

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Fleming Tops Dabney In Interhouse Race

No-Hit, No-Run Contest Features Week's Play

Paced by Chuck "The Arm" Norman, the athletes from Fleming trounced the Dabney nine Wednesday to the tune of 3 to 0. Credit for the no-hit, no-run epic goes to the pitcher, Norman, who performed a fine job on the mound, fanning six of the nine batters who faced him and forcing the other three to fly out. Yes, it was three up and three down for the Dabneyites as they fought in vain to retain their lead in the house baseball race.

Fleming Alertness Wins

By stealing two bases in the first inning, the Fleming men tallied once. They then iced the game with two runs in a big third inning. It all started when, with two away, Hammerle drew a walk, and stole his way to third. "Wild Bill" Boutelle dropped a Texas-League double into right field and made third on a passed ball. Schroeder then hit the ball to the hot corner. The third baseman's toss to first was wide as Boutelle started home. The incoming throw was dropped by Hickey just as Boutelle slid in. When the dust had cleared after the mad scramble, Boutelle had managed to tag home before Catcher Hickey had recovered the ball. Umpire Olea had few aspirants for his job that day.

Ricketts Triumphs

McGrane held the mound for Blacker when they bowed to the Rowdies from Ricketts last Tuesday. The Ricketts men, led by Don Otto, and the little man with the big name, Rube Kachadoorian, tore into the ball and finally set the score at 6-2.

Dabney Defeats Ricketts

Stealing base after base and taking advantage of numerous errors, the men from Dabney stopped Ricketts in a game last Thursday, and forced them to use two pitchers. Eight men from Dabney crossed the plate, while Ricketts pushed only one runner home.

Next week sees the off-campus baseballers facing the Fleming nine, in the playing of a game postponed this week due to rain. Dabney collides with Blacker, while Throop also meets Blacker and Ricketts to complete the schedule. A loss for Fleming would throw the race into a muddle, while a win gives them the championship.

The Standings

	Won	Lost	Tied
Dabney	2	1	0
Fleming	2	0	1
Ricketts	1	2	0
Blacker	0	1	1
Throop	0	1	0

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Campus Gleanings
... Near and Far

Mardi Gras Time

An old Southern tradition has moved north to the **Montana State University**. The student body will celebrate the event with a King and Queen, carnival concessions, and a floor show.

Stadium Plans Rejected

The Los Angeles Office of the Civilian Production Administration turned down the application of **Santa Monica City College** to build a new football stadium.

Just Like Dogpatch

Women residents of one of the dormitories at **Illinois Wesleyan University** had to vacate their rooms last week just when a cold wave was approaching. Reason: the boiler went on the blink.

Studying Finals Changes

At the request of the campus GI organization a committee at the **University of Texas** will study their proposal to exempt the top 25 per cent in each course from taking finals.

Dad's Day

Whittier College students entertained their fathers last week at their first annual Dad's Day. Events on the program included an informal get-together, dinner, student theater performances, and a basketball game.

May Expand

The Los Angeles Board of Education presented a resolution to the State Department of Education to establish a four-year program at **Los Angeles City College**.

(Continued from Page 1)
training program in Schenectady, New York, for young engineers, and the positions available for men who are experienced and who expect to receive advanced degrees.

This address will be prior to the General Electric Company interviews starting Wednesday, February 26th.

Foundry Opportunity for M.E.

A Foundry in Los Angeles has a position for a Mechanical Engineer who will receive his degree in June 1947. This company plans to train the accepted applicant in various technical phases of their operations, including design, die-making, plant engineering and maintenance, and technical aspects of inspection in metallurgy. The man will start in the design drafting room, working on plans for permanent molds, etc.

Personality is an important requisite of this employer.

Anyone interested in this position should make an appointment with the Director of Placements.



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