

# CALIFORNIA TECH

Volume XLVIII

California Institute of Technology

Friday, February 28, 1947

No. 18

## ASCIT Elections Friday, March 7

### Twenty-Six Men Vie For Fourteen Posts

Student Body elections will be held next Friday, March 7, with polls in the houses and Throop Club open from 12:30 to 4:00 p.m. Twenty-six candidates are contesting the fourteen offices up for election. Statements from each man are included below and on page two.

#### Candidates

**President:** Bob Barracough, Bud Mittenthal, Bruce Worcester.

**Vice-President:** Mitch Cotton, Bob Stokely, Frank Wolf.

**Secretary:** Bill Muehlberger, Frank Rock, Paul Saltman.

**Treasurer:** Forrest Allinder, Bob Poindexter.

**1st Rep.:** Bill Shippee, Bill Smyth.

**2nd Rep.:** Myron Arcand, Mike Sellen, Dave Warren.

**Rally Commissioner:** Jack Ottestad.

**Publicity Manager:** Bill Karzas.

**Athletic Manager:** Stan Barnes, Stu Butler, Larry Nobles.

**Big T Editor:** Tom Tracy.

**Business Mgr.:** Bob Crichton.

**California Tech Editor:** Len Herzog.

**Business Manager:** Bill Bradley.

**Yell Leader:** Bruce Robinson.

## Tech Leads 50 Teams In Debate; Places In Oratory

The Caltech debate team astounded the fine arts boys and girls with their excellent showing in last week's tournament.

Robert Stubbins and Darwin Freebairn took the lead early to tie up UCLA for second place in the junior debate out of a field of fifty first rate teams.

John Heath and Paul Howard led a group of forty orators into the semi-finals before they acknowledged defeat. Irving Sulmeyer made the semi-finals in impromptu speech and then with Eugene Zwick made the finals in a contest of discussion.

#### PLACEMENT CALENDAR

General Electric Company—All men receiving degrees—Open.

#### March 5

Proctor and Gamble Company—Electrical, Mechanical, and Civil Engineers.

#### March 6

Atlantic Refining Company—Chemists, Chemical Engineers, Physicists.

## Campus Calendar

**Friday, February 28**  
Basketball game. Caltech at Whittier.

**Saturday, March 1**  
Track meet. Occidental at Caltech. Basketball game. Caltech at San Diego N.T.C.

Blacker Party.

Dabney Record Dance.

Fleming House Formal Dance.

Ricketts House Formal.

Throop Club Bowling Party.

#### Monday, March 3

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

#### Wednesday, March 5

Frosh Luncheon Club at the Training Table, 12:00.

Orchestra Practice in Culbertson Hall, 7:30 p.m.

#### Thursday, March 6

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, March 7

Election Day for ASCIT Offices.

Professional Society Meetings.

#### Saturday, March 8

ASCIT Novelty Dance, 9 p.m. to 12 p.m. at the Royal Palms.

## 26 Pledges Elected By Tau Beta Pi; Initiation March 14

### Autograph Collecting, Brass Polishing Now Featured

If autograph hunters seem to be haunting the campus these days, don't think they are looking for movie stars. They are merely Tau Beta Pi pledges seeking the signatures of at least one hundred Tau Beta members on the campus, one of their many pledge duties.

#### 26 Men Elected

Tau Beta Pi is the national honorary fraternity for engineers and is to engineers what Phi Beta Kappa is to liberal arts students. The following is a list of the pledges who were tentatively elected by Caltech's Tau Beta Chapter on Feb. 20: Earl Beder, William Dixon, Byrne Eggenberger, Richard Ferrell, Taylor Fletcher, Bruce Gavril, Joseph Green, Bill Hammerle, Delbert Hausmann, Harvey Holm, Bill Jarmie, Warren Marshall, Albert McEuen, Walter Ogier, John Rasmussen, Carl Rasmussen, Harvey Roberson, George Scott, Lyle Six, John Swain, Robert Utschig, Robert Walker, John Whittlesey, Don Wilkinson, Bill Woodson, Byron Youtz.

These men are to be congratulated for receiving one of the highest honors attainable in their school years.

**Initiation March 14**

The pledge period terminates on March 14th with a formal initiation and a dinner at the Athenaeum. Until then, the pledges will be busy with their numerous duties — collecting autographs, polishing a large brass "Bent," writing a 500 word theme for a prize contest, memorizing the Greek alphabet, arranging entertainment, etc.

#### BUD MITTENTHAL

I should like to nominate Bud Mittenthal for the office of Student Body President and mention several of his excellent qualifications for this most important office. Bud entered the Institute in the fall of 1942 and was a sophomore when called upon by Uncle Sam. He returned this summer and has since been quite active in student affairs, being secretary of the junior class, chief judge at Rodeo day, and on the staff of the California Tech. I feel that Bud has the personal qualifications for the job and is acquainted with the problems and interests of the off-campus men as well as the house members, having belonged to Throop club in his sophomore year. Finally, and most important, I know Bud personally as an individual of the greatest integrity and sincerity, and I feel that he is exceptionally well qualified for the job.

Vincent Honnold.

The student body is still in the throes of a transition back to normal peacetime activities, although considerable progress has been made. The task that remains includes attaining and maintaining greater participation in extra-curricular activities. After all, our life here at Tech should include more than just the academic side. We must continue to improve the quality and scope of student body affairs for the benefit of all.

Bud Mittenthal

## "Y" Drive Best In Tech History

### Returns Incomplete; Over \$1300 Contributed to Date

With the returns only partly in at the time this paper went to press, the YMCA drive is already over the thirteen hundred dollar mark, and it is expected that there is fifty to one hundred dollars outstanding.

#### Dabney Leads Houses

In the houses the incomplete check showed Dabney leading with Blacker and Fleming trailing closely and Ricketts bringing up in the rear.

This is already the biggest response to a "Y" campus drive in our history and surely reflects the campus interest in the expanded and energetic program.

Wes Hershey, "Y" secretary, expressed his appreciation to all the students and faculty for their generous contributions and especially to the fifty-five men who devoted their time to making the campaign a success.

### McKINNEY PRIZE CONTEST

JUNIORS will please note that papers submitted in this contest are due by April 25. The theme chosen for the contest this year is "THE STATURE OF A MAN." The books to be read are: H. G. Wells: *The Research Magnificent*; George Santayana: *The Last Puritan*; Somerset Maugham: *Of Human Bondage*; and Sinclair Lewis: *Arrowsmith*. THE CASH PRIZES IN THIS CONTEST ARE SUBSTANTIAL. For further information see any member of the English department.

## 200 Students Required For Park Campaign Mar. 7 and 10

### Committee Asks Utmost Cooperation; Class Assignments For Tuesday Waived

Two hundred or more student volunteers are needed for a get-out-the-vote campaign for the Tournament Park plebiscite on March 13. The drive will be conducted on the Friday and Monday evenings prior to election

## "Perpetual Motion Machines" Feature Last CES Meeting

The last meeting of the Consolidated Engineering Societies of Caltech will be held Friday, March 7, at 11:00 in Room 201 Bridge. J. Calvin Brown of Los Angeles will speak on "Fallacies of Perpetual Motion Machines." A personal friend of Professor Daugherty of the Mechanical Engineering Department, this distinguished patent attorney was persuaded by Jerard Werner of the local C.E.S. to exhibit to Techmen his knowledge of the many freakish, crank machines which will almost but not quite work.

#### Illustrated Lecture

The lecture will be illustrated by slides taken from Mr. Brown's collection and from a similar collection in San Diego. The machines discussed will be those of a primarily mechanical nature. Mr. Brown was recently Vice-President of the Western Section of the A.S.M.E. and also President of the Los Angeles Joint Engineering Council of the Founders Society. All interested are invited to attend.

## ASCIT Prexy Candidates' Statements Given

#### ROBERT P. BARRACLOUGH

The coming election presents, in a way, an undesired climax to the past year for we must say good-by to Lang; as fine a Student Body President as Tech has ever had. During the year Lang has done much to set Tech on the road to recovery, a job that required skill, patience, personality and the ability to "get that job done." Now the time has come to elect a successor to carry on the good work already started and to formulate new rungs on the ladder to better school government; a prime requisite for good living at Tech.

During the past three years I have had the opportunity to serve you in various capacities, ranging from section leader through Board of Control member to First Representative, during which time I have been ever cognizant of existing conditions and have done all in my power to right wrongs when they occurred. These three years have been invaluable in giving me an insight to the workings of our school government, a necessity for one who wishes to lead you during the coming year, or for that matter, during any year. These are my qualifications.

As to my promises—I refuse to make various and sundry pledges that are too fantastic to be fulfilled. However, I will say that given the opportunity to further serve you next year as your Student Body President, I will do so faithfully, making use

#### BRUCE WORCESTER

ASCIT Presidential Candidate Bruce A. Worcester, has, in his year and a half at Caltech, been an outstanding member of the student body.

As Secretary of the Board of Directors, Worcester has gained a deep insight in the machinations of this important student governing body. A wealth of experience in other fields as organizer of the Glee Club, Beaver member, Board of Control member, Greek Play participant and house functions of all kinds makes it all the more apparent that Worcester has the necessary qualifications of experience, capability and interest to successfully lead the student body.

A well developed platform consisting of (a) a sound financial policy for the ASCIT, (b) coordination of and more publicity for, student functions and (c) more school policy determination by the ASCIT, is indicative of Worcester's desire to serve the student body.

A vote for Worcester is a vote for the type of leadership that an active student body wants from its president.

Frank J. Wolf,  
Nominator.

of the acquired knowledge of three years, and ever striving for that much desired return to normality.

Robert P. Barracough.  
Nominator: Don Hibbard.

## Shell Oil Interviews

Representatives of the Shell Oil Company, Shell Chemical Corporation, and Shell Development Company will be on the Campus March 13th and 14th for the purpose of interviewing men receiving degrees in June. These companies are primarily interested in Chemists and Chemical Engineers although there are several openings for mechanical and electrical engineers.

The Shell Oil Company, Inc., Pacific Coast Operations, is engaged in producing, manufacturing, and marketing petroleum and petroleum products in the Pacific Coast area from Arizona to Washington and including the territory of Hawaii.

Any men interested should get in touch with the placement office.

## 3 Faculty Members Write For 'Britannica'

Three members of the faculty of the California Institute of Technology have made their first contributions to the Encyclopaedia Britannica, writing for the 1947 revised printing of the reference work, it was announced by Walter Yust, editor-in-chief.

New contributors from the Institute and their topics are: Eric Temple Bell, professor of mathematics, who wrote and revised 23 articles in his field of interest; Jesse William Monroe Du Mond, associate professor of physics, "Nature of X-Rays," and Aristotle Demetrius Michal, professor of mathematics, "Differential Forms" and "Tensor Analysis."



# Beaver Spikemen Win Conference Relays

## Beaver Hoopers Top Redlands In Thriller; Whittier Next

Share Third Spot With Bulldogs;  
Meet Poets Tonight in Last League Game

Those unpredictable Beaver basketballers were hotter than the proverbial firecracker last Friday night when they outplayed and outscored a scrappy Redlands five 46 to 42 at the Armory. The inspired Tech quintet played sharp, fast ball the entire game, showing class that the Bulldogs couldn't match. Grabbing a six-

point lead in the first few minutes, the Beavers bore down and held it until half-time, although Redlands pulled up with eight quick points in the last two minutes of the first half and as the gun sounded the score read 22-21.

### Tight Game

The lead seesawed back and forth the second half, neither team being able to pace the other by more than four points. Going into the last five minutes of the game, however, the Beavers burned up the floor, stepping out with a 12-point lead which the Bulldogs futilely attempted to close.

### Brilliant Offense

Fast and clever ball handling and accurate shooting spelled doom for the Bulldogs' cause as the Techmen turned in brilliant team play and spectacular individual performances. Ted Bowen grabbed high-point honors for the Beavers, netting 12. Forward Don Furth and center Paul Saltman each pulled in 10 markers for the evening.

Guards Bill Cox, Harry Moore, and "Moon" Mullen played fine defensive ball as did Manuel Bass, Tech forward; Cox sank six while Bass accounted for seven, and Moore one.

### Move Into Third Spot

By winning this game, the Beaver hoopsters move into a tie with Redlands for third place in the league standings. The Bulldogs, incidentally, won from Tech earlier in the season by the same score that the Beavers took Redlands in last Friday's game, 46-42.

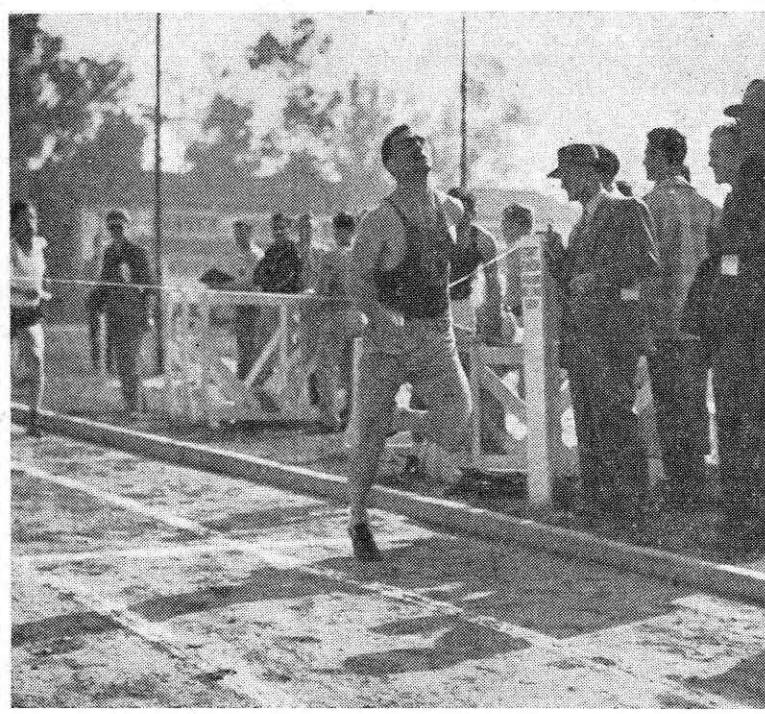
### Whittier Tonight

The casaba men wind up league play tonight when they meet the Poets at Whittier. If the Beavers can topple the undefeated Whittierites they could finish with Oxy in a tie for second spot behind Whittier.

Tomorrow night, the Varsity and Jayvees will meet the Naval Training Station at San Diego in the final contest of the 1947 season. Gametime for the Whittier and San Diego games will be 8:00 with the preliminary at 7:00.

### Final Baseball Standings

	Won	Lost	Tied	Pct.	House Pts.
Fleming	3	0	1	.875	119½
Dabney	3	1	0	.750	88
Throop	2	2	0	.500	45
Ricketts	1	3	0	.250	73½
Blacker	0	3	1	.125	56



Doug McLean winning the 4 man J. V. Mile Relay

## The Record of Past Varsity Baseball Teams at Caltech

With the baseball team still in the throes of conditioning practice this week, the lack of material prompted us to do some prying into the dusty records of the Athletic Department. We came up with some rather despondent records about those who played baseball for Caltech in the last 20 years. For instance, did you know that we have beaten Whittier only 8 out of 37 tries since 1922? Not to offer excuses, but it is whispered about that they "encourage" athletes to come to Whittier to absorb the Quaker atmosphere. Such reprehensible action would be unthinkable at CIT. We've done better against Oxy, yet the record stands at a sorry 18 wins and 32 losses.

### Navy V12 Team

The best team we ever had was in '45 when those stalwart defenders of our country's shores—the Navy V-12—made baseball history by winning 8 and losing but 1, a 9-11 game to USC. That year we played USC and UCLA two games apiece as the conference was disbanded during the war.

### Tied for Pennant

The only other year of pennant hopes was 1922 when we

CALTECH	REDLANDS
Bowen, 12	F. Leonard, 8
Furth, 10	F. Corvin, 1
Saltman, 10	C. Hackelman, 13
Cox, 6	G. Bell, 4
Moore, 1	G. Lloyd, 2
Halftime score: Caltech 22; Redlands 21.	
Scoring subs: Caltech—Bass 7; Redlands Flora 6, Parker 4, Miller 4.	
Jayvee score: Caltech 24, Redlands 59.	

## Ice Skating

Daily 2:30 to 5, 7:30 to 10:30  
Sat. & Sun. Morn. 10 to 12:30

### Skates for Rent

### Instructions

## Pasadena Winter Gardens

171 S. Arroyo Parkway

## House Swimming To Be Next Term

The interhouse swimming, which was to be held this term, has been postponed until next term. Coach Merrick had planned to get his swimmers into condition early, but the pressure of varsity athletics has been too strong and swimming had to be postponed.

tied for first place by winning a tough 2-1, 11-inning ball game from UCLA who used to be in the conference. We ended up with a 7-2 record that year.

### Average Low

From 1922 to 1945 the school only had four or five teams that played even as high as .500 ball. They all managed to win at least one game, however; a record broken by the 1946 club, which lost all its games. Even so, the boys almost beat Pomona last year, a four run ninth inning rally falling short of victory by two runs.

After noting what you have just read, we closed the record books with the strains of Finlandia softly echoing through the halls and crept out, leaving the dust to settle once more over the dismal past.

A student, while working in class, Filled a testtube with HCN gas. He took a big whiff And fell over stiff, And now no more Chem to pass.

## Classified Ads

TYING—prompt service, rates reasonable. Mitchell, SYcamore 4-7036.

VISITING professor (USC) would consider exchange of large, well furnished house in Ann Arbor, Michigan, for furnished house or apartment in Los Angeles area, large enough for 3 or more people. About June 20 to August or later. Ann Arbor is site of University of Michigan; excellent library facilities; also drama, music, etc., during summer session; nearby lakes. Address R. L. Wilder, 1617 Cambridge Road, Ann Arbor, Mich.

## CALTECH BARBERS

On California Near Lake Avenue

## Allen Cleaners

5-Day Service

Agency Located at

Campus Barber Shop

## Techmen Squeeze Victory Over Oxy, JV Teams Star

In a real old fashioned thriller the Caltech spikemen edged the Oxy tracksters in the conference relays last Saturday afternoon. The meet was close the entire way, and with one event to be run, the mile relay, Tech led Oxy by a scant 2/5 point. The meet hinged on which of the two beat the other since Redlands trailed by 6 points and even a win would not let them in on the payoff. Things looked bad for Tech as the Oxy men took and held a decided lead for the first three laps, but in the final lap Ken Shauer raced around the oval in 49.5 s. to pass the speedy Oxy anchor man and land Tech in second place for the race and give the nod to Tech in the final results! The Beavers score was 36 3/5 points, followed by Occidental with 35 1/5, Pomona, 30 3/5; Whittier, 27, and Redlands, 22 3/5.

### All Techmen Look Good

The meet was won by fine performances of Doc Hanes' charges in practically every event. The Beavers garnered five first places, and three of these were by the Junior Varsity relay teams who won every event for their class. Joe Green, Kent Terwilliger, Doug Brown, and Doug McLean pulled the first Tech win out of the hat in the JV 4 man mile; and the winning combination in the half mile relay was composed of Dave Madden, Green, Dick Cornelius, and McLean. They then followed through for a clean sweep in their events as Madden, Cornelius, John Kariotis, and Doug Brown brought in first honors in the sprint medley.

Another of Tech's firsts was in the varsity half mile relay with Chuck Shaller, Earle Brown, Bob Funk, and Shauer teaming up to produce the results. The win in this event gave Tech permanent possession of the trophy for the half mile relay as this is the third year the Beavers placed first. Don Tillman in the shot put provided the Beavers' remaining blue ribbon. Big Don also placed second in the discus to win honors as Tech's individual high scorer with 8 points.

Tomorrow afternoon at the Tournament Park oval Tech meets Oxy in the first dual meet of the season.

### Events in Which Tech Placed

Pole vault: Walt tied for 3rd. Discus: Tillman, second. High jump: Walt tied for 3rd. Shot put: Tillman, first, 45' 8". JC mile relay: Tech, first, 3:38.2. Distance medley: Tech, second, (Simons, Marshall, Barnes, Cole). 880 relay: Tech first, 1:29.6. JV sprint medley: Tech first, 3:52.1. JV 880 relay: Tech first, 1:34.3. Mile relay: Tech second, (E. Brown, Simons, Barnes, Shauer).

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## HOTALING'S

TWO STORES

54 East Colorado Street  
921 East Colorado Street

**Campus Brewins**

My God, our BMOC's have been getting sickeningly friendly of late. People who never used to speak to me now greet me with Ipana grins and ask about my love life. Couldn't have anything to do with elections, of course.

**Travelers**

Mileage record for the trip to last Saturday's dance at the Riviera Country Club is held by Gene Cook and Dan Markoff of Dabney. Starting from Pasadena they picked up their dates in Pomona and Long Beach respectively, thence to the dance, and the whole trip over again on returning.

**Triangle**

Dean Johnson and Clay Englar have been giving Peggy Briggs, of Browning Hall, quite a rush. Incidentally, Englar is also giving Vince Honnald a hard time with Mary Stansbury.

**Persiflage**

Dave Pollard and Fred Smith, Fleming stay-at-homes, showed up at the ASCIT dance.—Stan Harrison has been raiding the Pasadena Playhouse rather regularly of late.—Lang Hedrick has been suffering from a strange malady. As the evening draws on he develops a peculiar stiffness in the right elbow which can be cured only by cold applications at the Skip-Inn.—Ed Mitchell has been ordering orchids by the dozen.

**Brawl**

I've been hearing lurid reports about this party that Bud Mittenhal and Mitch Cotton attended last week, at Joanne Schoneborn's house. Rather a contrast to the knitting party featured in this column last week.

Guests at a recent party given by Natalie Nelson were Techmen Stix, Schuyler, Walquist, Bible, Forrester, Murphy, Honnold, Stokely, Boutelle, Eschner, and Hibbard.

**Snake**

The thought of an EE quiz the next day was too much for J. C. Bear so he took the easy way out and went out on a date.

Love blossoms in the spring! Latest engagement to be announced is that of Audrey Fern Wilson to Chuck Quirmbach.

Stan Barnes and Bob Davis were out to Scripps last Sunday night.

There's a plot afoot in Dabney. Next time teaser extraordinary Doris shows up for dinner the boys are going to try hard to ignore her completely.

**"Die for Dear Old Blacker" Spirit**

Al Puder, who suffered a broken leg during a baseball game between Blacker and Rickerts early last week, is out of the hospital and recovering rapidly at home.



**Van de Kamp's**  
COFFEE SHOP

E. Colorado and Bonnie, Pasadena

<b>CALIFORNIA PHARMACY</b> PRESCRIPTIONS PHARMACISTS 575 S. Lake Street Pasadena, Cal. SYcamore 2-6222	<b>CAMPUS BARBER SHOP</b> In Cafeteria Bldg. (Old Dorm) Laundry and Dry Cleaning Service—One Week TWO BARBERS	<b>OAK KNOLL CLEANERS and TAILORS</b> Let These Veterans Serve You 902 E. California (East of Lake)	<b>PASADENA BOWLING COURTS</b> 970 East Colorado Rendezvous of Caltech Bowlers Open 11 a. m. to 1 a. m. SY 3-1341 Special Student Rate before 6 P. M. except Saturday, Sunday, and Holidays 20c Per Line
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# SMOKING PLEASURE

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