

CHEER UP!  
AFTER  
FINALS

# CALIFORNIA TECH

COMES  
VACATION!

California Institute of Technology  
Friday, March 17, 1947

Volume XLVIII

No. 20

## Tradition Court Tries First Case

"Maintenance of Tech  
Traditions Needed"—Lee

The Court of Traditions tried its first case last Wednesday, as it found guilty and sentenced four men for sitting on the senior bench.

The defendants, three of whom pleaded guilty to the charges, were Kenneth Famularo, Robert Kermeen, Irving Krumholtz, and Don Pickrell. After testimony of three witnesses identified the men as having been on the senior bench, and since they are underclassmen, the Court found them guilty of violating this long adhered to Tech tradition.

### Sentence Constructive

Norm Lee, retiring ASCIT Vice-President, read the sentence of the Court, which will aid in protection of the Honor System. Each of the four men will talk to thirty other off-campus men and give them a pamphlet describing the Honor System, reporting by the fifth week of next term to Doug MacLean, President of the Varsity Club.

Lee declared that the new court will continue its policy of upholding Tech traditions.

Off-campus men, as well as others, must inform themselves in these matters by means of the Little T and the California Tech.

## Fish To Assembly "You And Industry"

Outlining the types of talent required by industry, and ways of developing these talents, Mr. Lounsbury Fish, organization counsel with Standard Oil of California, delivered a talk on "Your Future With Industry" to the assembly at 11 a.m. this morning.

### Judged in 4 Categories

Mr. Fish, who has held numerous important government posts concerned with organization of war agencies, declared, "The qualities which industry pay off on fall into four general categories: caliber of mind—the ability to grasp problems and to work out sound solutions; effectiveness in dealing with others; professional competence; and supervisory and managerial capacity."

He went on to state that there are four types of employment, depending strongly on proficiency in its qualifying ability. These are the technical or professional field, where most Caltech men will get their start; staff functions concerned with operation; selling; and supervision.

Mr. Fish then elaborated on methods of picking the branch most compatible with one's abilities, and ways of developing the most important fundamentals—proficiency in thinking, writing, and speaking; and personal self-knowledge.

A discussion of methods of selecting a company and earning advancement concluded Mr. Fish's talk.

## Campus Calendar

Saturday, March 15—  
Track meet. Caltech and Loyola at Pomona.

Monday, March 17—  
Finals begin.  
Meeting of the Christian Science Organization in Room 208 Dabney at 7:30 p.m. All interested invited.

Saturday, March 22—  
Hurray! Easter Vacation begins.

Monday, March 31—  
Registration for the third term.

Tuesday, April 1—  
Classes begin.

## Caltech, UCLA Hold Initiation

Pi Kappa Deltas Join  
In Ceremonies March 23

On Sunday, March 23, the Caltech Chapter of Pi Kappa Delta joins with the UCLA Chapter (mostly girls!) for a big feed and initiation ceremonies at the Nikabob Restaurant.

Dr. John A. Schutz, debate coach and one of the two initiated members, tells us that a gruesome ritual is being prepared for the occasion. Included will be speeches in the various public squares.

### Redlands Next

Caltech is entering as many teams as possible in the coming Pi Kappa Delta tourney with Redlands where they hope to outshine their excellent showing in the Caltech tourney held here recently. The date for the Redlands tourney has been set for March 27, 28 and 29.

## Students Can- vassing Effective

Friday and Monday of last week ten teams of Caltech students canvassed every house in Pasadena urging people to get out and vote "yes" on the Tournament Park proposition in yesterday's city election.

From the reports turned in, a far greater number of people indicated they would vote "yes" than the number who said they would vote "no."

"I wish to thank all the canvassers for pitching in and doing such a fine job," said Dr. DuBridge. "Judging from the many compliments we have received, the boys made an excellent impression on the people of Pasadena."

Many of the groups finished their allotted sections on Friday while others still had a few houses to finish on Monday night.

## Tau Beta Pi Holds Initiation Tonight

Howard Vesper to Speak  
At Banquet for DuBridge,  
Gilbert, and 26 Pledges

Tonight Tau Beta Pi will hold its final initiation ceremonies and banquet for the school year. Twenty-six pledges, who have been properly chastened during the past two weeks with numerous pledge duties, and who have been elected on the basis of scholarship and activities, will be admitted.

Tonight's initiation will be especially eventful. Dr. Lee A. DuBridge and Dr. Gilbert D. McCann, Associate Professor of Electrical Engineering, will be initiated along with the student members. It is the policy of Tau Beta Pi to elect not only students but also men who have demonstrated great service and ability in the field of engineering.

Tau Beta has been fortunate in securing an exceptional speaker for the evening, Mr. Howard G. Vesper. Mr. Vesper is a charter member of Caltech's Tau Beta chapter, having been inducted in 1922, the year he graduated. He is now president of the California Research Corporation, Standard Oil's research affiliate.

### Impressive at Caltech

Mr. Vesper's record as a Caltech undergrad is impressive. He was on the Tech staff 4 years and assistant editor for 2. He was also on the Big T staff for 4 years and editor as a senior. He won his basketball letter 3 years in a row, was in the Glee Club and Orchestra for 4 years, Publicity Manager and on the Board of Control in his junior year, and he served as Football Manager and as an officer of the Varsity Club. He was top man in his junior class.

Mr. Vesper's field is applied chemistry. He started working for Standard Oil right after graduation, and worked up as a technical man from bottom to top.

Entertainment for the banquet will be provided by new members in the form of an original skit, written by William Dixon, Walter Ogier, and John Rasmussen. It is hoped that tonight's (Continued on Page 2)

## Wartime Oxygen Detector Invented By Pauling Before Pearl Harbor

The invention of a meter developed before Pearl Harbor used to test the amount of oxygen in a gas was announced this week by Caltech.

The meter was invented by Dr. Linus Pauling, head of the Caltech Division of Chemistry and Chemical Engineering, who last week was one of nine persons throughout the world selected by the senate of Cambridge University, Cambridge, England, for honorary doctor's degrees. Collaborating with him were Dr. Reuben D. Wood, now in the chemistry department of George Washington University, Washington, D.C., and Dr. James H. Sturdivant, associate professor of chemistry at Caltech.

### Meter Used in Aviation Medicine

Used during the war in planes and submarines, industrial plants, and in the relatively new field of aviation medicine for determining the ability of pilots to stand high altitudes, the meter is now being used for peacetime purposes and is responsible for development of a small, highly technical industry in Pasadena. The meter depends on the

known fact that oxygen is slightly attracted to a magnet, while most common gases are repelled. The device consists of a pair of very small spheres connected by a slender rod, suspended between the poles of a strong magnet by a filament attached to the middle of the rod. Responses of the spheres to the magnetic pull is conditioned by the oxygen concentration, with the amount and rate of their swing registered by means of a light beam reflected from a small mirror attached to the filament. So small and sensitive is this piece of mechanism that its assembly must be accomplished with the aid of a microscope.

### Used in Giving Anesthetics

Meters of this type are now being used throughout the country by hospitals in administering anesthetics in which oxygen is given to the patient with the anesthetic. By use of the Pauling Oxygen Analyser, the meter's trade name, those administering the anesthetic can determine at all times the amount of oxygen the patient is getting and thus be assured that it is sufficient.

## Worcester New President; Wolf, Muehlberger Elected

Directorate Representative of All  
Groups; Write-ins Noticeable

Bruce Worcester is the new President of the Associated Students as a result of general elections held here last Tuesday. Worcester defeated Bud Mittenthal by a two to one margin in Tuesday's runoff election, after Mittenthal had eliminated Bob Barraclaugh by two votes in last Friday's primary.

Runoff elections decided the outcome of races for six ASCIT posts. Frank Wolf and Bill Muehlberger, running for Vice-President and Secretary, from Dabney, defeated their opponents by almost identical three to two margins.

Bill Shippee increased his five vote primary margin over Bill Smyth to over 30 votes, to become First Representative. Mike Sellen disposed of Dave Warren to take the Second Rep race, while Dick Roehm bested Bruce Robinson for Yell Leader, the only non-directorate post not decided by the Primaries.

## Top Men To Give Orientation Lectures

The Freshman Orientation Lecture series, in which department heads discuss the probable future of students in particular options, will be given the early part of the third term. The schedule is as follows:

April 4—10:00 a.m.—22 Gates—(During class lecture.)  
Chemistry and Chemical Engineering—  
Prof. Pauling and Prof. Lacey.  
April 4—11:00 a.m.—201 Bridge.  
Geology—Prof. Buwalda.  
April 10—11:00 a.m.—201 Bridge—(In place of class lecture.)  
Physics—Prof. Watson.  
April 11—11:00 a.m.—201 Bridge.  
Civil Engineering—Prof. Thomas.  
April 18—9:00 a.m.—119 Kerckhoff—(During class lecture.)  
Mathematics—Prof. Ward.  
April 25—11:00 a.m.—201 Bridge.  
Biology—Prof. Beadle.  
May 9—11:00 a.m.—201 Bridge.  
Electrical and Mechanical Engineering—  
Prof. Sorensen and Prof. Lindvall.

It will be noted that some of these lectures will be given as a part of the regular course lectures. The other lectures are given at Friday Assembly time.

### May Deadline for Option Choice

These lectures are given as the result of many requests from freshmen for information about what the future offers in different options. In the past, a number of students have changed their options as a result of these lectures. Such changes may be made in 119A Throop any time up to May 9. Pre-registration for the sophomore year, at which a student must make a final, definite option choice, will start May 19.

### Freshman Attendance Urged

Every freshman should attend every lecture. There are two good reasons for this. In the first place, Cal Tech students should be interested enough in all phases of technical work to want to hear top campus personalities, whom they would not otherwise meet, talk about various technical fields. In the second place, it will eliminate mix-up later. There are always students trying to change their option in their sophomore or junior year, with consequent trouble and loss of time, because they have just learned something attractive about another option—something they would have learned in their freshman year had they attended all the orientation lectures.

### PLACEMENT CALENDAR

SCHEDULE FOR PLACEMENT INTERVIEWS  
March 14—Shell Development Co., Mathematical Physicists—Open.  
March 24—Humble Oil Co., Chemists, Chemical Engineers, Mathematicians, Physicists—Open.  
April 7—Texas Company, Chemists, Mechanical and Chemical Engineers—Open.  
April 8 and 9—Shell Development Co., Chemists, Chemical and Mechanical Engineers—Open.  
April 14—Radio Corporation of America, Electrical Engineers—Open.  
May 9—Int. Telephone and Telegraph Corporation—Electrical and Mechanical Engineers—Open.

### Elect Off-Campus Editor

In last Friday's primaries, all six unopposed candidates swept to office. Len Herzog was elected Editor of the California Tech, unprecedentedly giving this important post to the off-campus faction. The other publications posts went solidly to Ricketts, however, as Bill Bradley was named Tech Business Manager; Tom Tracy, Big T Editor, and Bob Crichton, Big T Business Manager. Bill Karzas was moved by the election from the Co-editorship of the Tech to the post of Publicity Manager, and Jack Ottestad garnered the Rally Commissionership.

Bob Poindexter became Treasurer over Forrest Allinder by a slight majority, while Stan Barnes outdistanced Stu Butler and Larry Nobles to capture the Athletic Managership.

### Dabney Seats Four

The incoming nine-man Board of Directors represents fairly accurately the entire campus; Dabney comes closest to a majority with four members. Ricketts and Fleming each seated two, while Blacker filled the ninth chair. The considerable off-campus faction is represented by several of these men who have been in the past members of this group.

Continued on Page 4

## Oil Interviews on April 7; Bethlehem Steel Offers Training Program to Grads

A representative of the Texas Company will be at the Institute April 7th to interview Chemists, Physicists, Mechanical and Chemical Engineers, for employment with that company. The majority of the positions are at Beacon, New York, or New York City. A few positions may be available in the Los Angeles vicinity and at Port Arthur, Texas.

### Bethlehem Steel Training

The Bethlehem Pacific Coast Steel Corporation will offer a Loop Course Training Program to a few selected graduates of Pacific Coast colleges who receive their degrees in 1947.

Opportunities exist for all varieties of engineers, including selling, steel plant operation, and fabricated structural steel design. The Loop Course is given in three steps: First, basic training at Bethlehem, Pa.; second, specialized training designed to equip the individual to enter the particular field in which he is to be engaged; third, actual training "on the job" for all trainees. The basic training program is for a period of from four to five weeks.

A limited time is allowed for submission of applications.

### A Letter FROM The Editors

This is the final issue of the **Tech** for this term. Next term the editorship will again change hands, as Len Herzog takes over early his newly won position. This has been necessitated by the inadvisability of one man holding two ASCIT offices. At this time it might be logical to point out a few of the difficulties that have been encountered in publishing the **Tech** this year.

In pre-war years the staff of the **Tech** numbered over fifty men, all of whom did their part, so that there was no great burden on anyone; a good paper was the result. This year number on the staff has varied from twelve to twenty, with a large portion of the work falling to a very small group of men. As a result of this situation the first editor, Dave Baron, had to resign, in order to get back into the running in his studies. This term the two co-editors managed to stick it out, but the extra load due to the small staff has benefited no one.

As we retire from the editorship, we can only express our thanks to those few who have made this paper possible, and voice the fervent wish that Len Herzog will receive a little more cooperation from those students who are eager to criticize the paper, but thus far have not seen fit to do more than talk.

—BOB HEPPE  
—BILL KARZAS

### Concerning Write-Ins

Editor, California Tech:

I am bitterly disappointed at the lack of good sense and good taste shown by those of the student body who saw fit to abuse the privilege of the write-in. In all, 243 write-in votes were cast, and probably not a dozen of these represented an honest belief that the man written in was best qualified for the job. Mrs. Gianetti, Ginger, William R. Hearst, Jennifer Jones, and J. J. Lesmez all were written in for various offices. In two cases, the write-ins led to most unfortunate results.

Bill Shippee got 224 votes for First Rep; Bill Smyth got 219. If these had been the only votes cast for the office, Shippee would have of course been elected. However 6 write-in votes were cast for this office. This left Shippee one vote short of the required majority, and a runoff was necessary. Five of the 6 write-in votes were cast for Bill Seiden; the other was for (hold your breath) Teufelsdröckh. Now Seiden may have been a serious candidate for First Rep., I don't know, but the fact that he also received votes for President,

Treasurer, Publicity Manager, Rally Commissioner, Second Rep, Yell Leader, and the various publication jobs leaves the issue somewhat in doubt. This Teufelsdröckh is some character out of a novel the juniors are reading, so they tell me; at any rate, these six ballots add up to a dirty trick on both Shippee and Smyth in forcing a totally unnecessary runoff.

The other flagrant breach of good taste was the organized campaign to write-in Bob Barracough's name for Yell Leader, which resulted in 102 write-in votes for this office alone. These votes were poor thanks for a man who has put in many hours of work for the student body, and they showed little consideration to the two candidates for the job, Robinson and Roehm.

The legal mind might suggest additions to our By-Laws to remedy abuses such as these, but any law would be easy to violate, with the excuse that it was all in fun. Maybe we should see if a little common sense will help. God knows we haven't tried that yet.

Yours,  
JOHN MASON.

## Campus Brewin's

The Shipwreck Dance was a roaring success, being a motley group of oddly dressed men with half-clad women. The conveniently located bar did its bit to liven things up.

Winning the prize as the most uniquely dressed girl was Wyn Sergeant, date of Bob Dalton. She came as a pirate complete with eye patch and scar.

The winning male was Ed Reineke dressed in formal shirt, bow tie, and shorts.

We wonder why Rex Stewart didn't show up with Doris. Surely he couldn't have been snaking.

There was certainly something aesthetically with all of those sarong and bathing suit clad female forms.

### Beaux Arts

Running a little competition was the Scripps Beaux Arts Ball which seemed to be a very worthwhile affair but slightly more subdued than its Parisian namesake.

Barry Schuyler's date, Althea Eames, put on quite an exhibition (a scheduled one) doing a Spanish dance with Sandy from Pomona.

Tom Stix contributed his great technical knowledge by making an electric halo for Betty Mae Hopkins. It is wonderful what

an education at Tech will enable you to do.

Clay Englar was there with Sue Chambers and Don Firth also brought a girl. They all came dressed as four roses.— Dale Vrabcic also managed to hobble out there. I guess you just can't keep a good man in on Saturday night.

### Morning After

Some of the Fleming boys rounded out the weekend with a little informal beach party Sunday, led by Bob Smoot who managed to make it with Peggy Briggs.

### Beer, Women, and Song

To celebrate the end of canvassing Friday night, Frank Evans, John Rider, Carl Oberman, Frank Rock, Marion Rinehart, and Don Rolph and dates attended a rollicking party in L.A. which began with a shower of beer from the keg in the basement and ended with dancing upstairs.

### Olla-podrida

Mac Botts just joined the Tech Light Car Club with a 1930 Rolls-Royce.—Question of the week: Is Bob Stokeley engaged? He claims it's the real thing this time.—Event of the week: Bill Karzas while canvassing chanced upon a house of ill repute. We understand they are all voting "yes".

### The California Tech

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**STAFF**  
Bill Karzas, Bob Heppe...Co-Editors-in-Chief  
Len Herzog...Managing Editor  
Frank Valle-Riestra...Music Editor  
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(Continued from Page 1)

skit will be slightly less sensational than that given at the initiation banquet last fall, which consisted mainly of an atom bomb demonstration in the Aethnaeum dining room.

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# Newsworthy Notes for Engineers



### Why Condensers now live longer

Testing and setting standards for materials is a vital part of production at Western Electric.

Take, for example, the tissue paper—about 1/10 the thickness of a human hair—used as insulation between the turns of aluminum foil in millions of "paper" condensers for the Bell System.

Condenser life is generally in direct proportion to the quality of tissue used. In studying effects of differences in chemical composition, fibre structure, thickness, pinholes and other properties to set a standard of quality, engineers found intrinsic variables so great that a method of rating had to be developed.

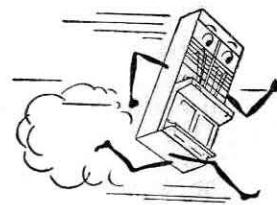
They solved this problem by making sample condensers using each type of paper and checking them at high temperatures and high voltages to determine life expectancy.

Correlating results of these accelerated life tests with manufacturing data led to improved paper making methods—paper manufacturing machines of new designs—increased production of the right kind of paper—longer-lived condensers.

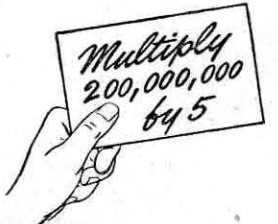
### It's hard to hurry a Switchboard

One of the major problems faced by Western Electric engineers in the rush to make telephone switchboards fast—to meet unprecedented demands—is the complexity of manufacture involved.

A recent study of what it takes to make a certain much-needed type of manual switchboard installation consisting of ten operator positions will give you some idea of the complexity. Here are the principal items of apparatus required: 5,680 relays; 19,500 jacks; 15,000 lamps of various kinds plus their lamp sockets and mounting; 17,000 lamp caps of various colors and designations; 450 mounting plates of relays, condensers and resistances; 580 resistances; 550 condensers; 360 fuses; 691 jack spaces and a total of 1,071,000 conductor feet of wire and cable!



In spite of this complexity, Western Electric is speeding switchboards on their way. Production in 1946 of manual switchboards is expected to break a record of 16 years' standing.



### Problem for Production Engineers

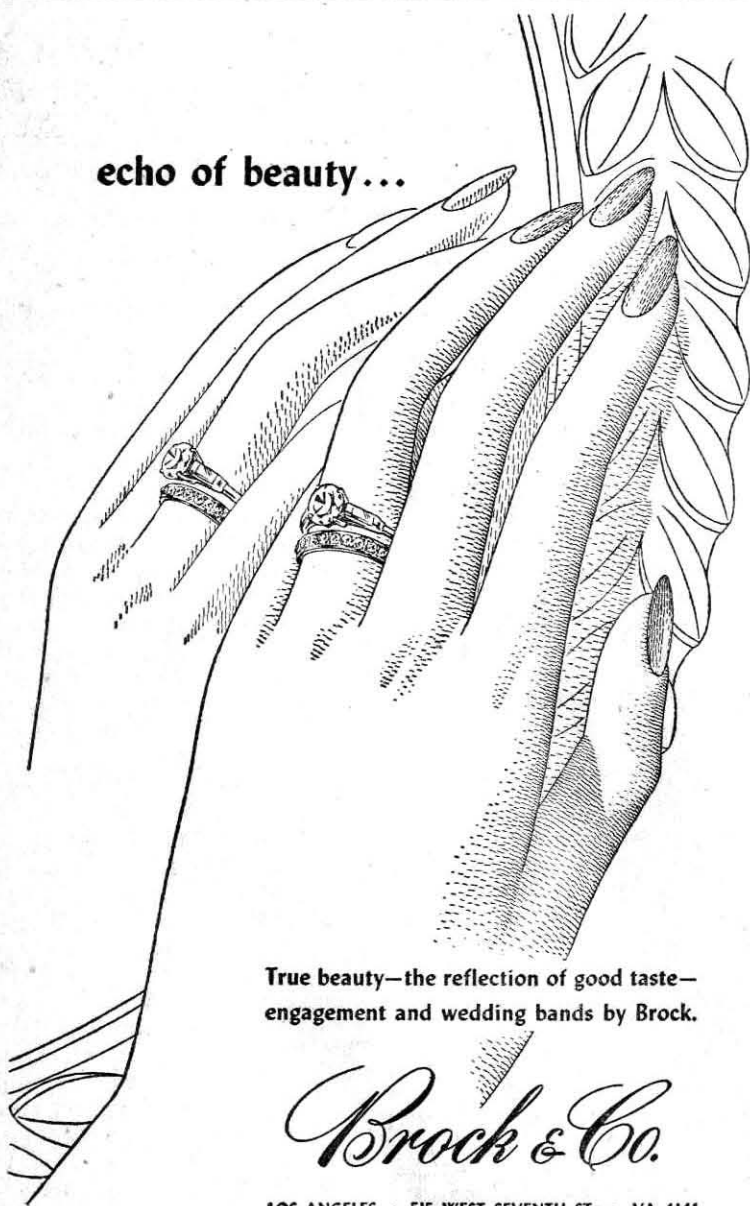
Easy? Not when it means providing machine capacity for welding a billion precious metal contacts per year—five times the previous maximum production rate! This problem was one of the most critical faced by Western Electric engineers in meeting tremendously increased demands for telephone equipment.

A pair of these contacts is required at every point in telephone circuits where current is interrupted in switching. They minimize "noise" in your telephone receiver. They're made of bi-metal tape—the contact surface is paper-thin precious metal, usually palladium. The balance is less expensive metal such as nickel.

By providing recently developed electronic control equipment and making mechanical improvements in the precision welding machines—which must cut off small pieces of tape, accurately position them on telephone apparatus parts and weld them securely—the engineers pushed operating speeds to a new high.

Result: only about two-thirds as many hard-to-get new welding machines were needed—a half-million dollars were saved—and welds of higher quality are being produced at the rate of a billion a year!

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Manufacturing telephone and radio apparatus for the Bell System is Western Electric's primary job. It calls for engineers of many kinds—electrical, mechanical, industrial, chemical, metallurgical—who devise and improve machines and processes for large scale production of highest quality communications equipment.

## Western Electric

⚡ ⚡ A UNIT OF THE BELL SYSTEM SINCE 1882 ⚡ ⚡

**BASEBALL  
GAME  
COMPTON**

# Beaver Sports

**TRACK MEET  
TOMORROW  
POMONA, LOYOLA**

## Fleming V.B.'s Win Discobolus

**Big Red Six Recovers  
Trophy From Blacker**

The Fleming athletes returned the Discobolus to what they consider its rightful place last Tuesday by defeating a hopeful Blacker sextet in volleyball 15-9, 11-15, 15-6.

**Fleming Altitude Proves Fatal**  
A spirited Blacker defense found itself unable to cope with the devastating spikes of Bill Cox and altitudinous Bob Stokeley as fine teamwork resulted in a setup on nearly every Fleming return.

**Blacker Finds Mark**

The second game of the two-out-of-three series found Blacker on the long end of a 11-15 count. The Blacker six found the corners and came with setups that had the Red worried for awhile.

**Fleming Retaliates**

Fighting right back in the finale, Fleming settled down to some fine playing to win 15-6.

Wining the challenge from Blacker returns the Discobolus to the Fleming mantle after a four weeks' absence; Fleming lost to Dabney in tennis, while Dabney, in turn, surrendered the trophy to Blacker in water-polo.

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Doug Brown Wns Against Oxy

## LACC Nudges Tech Swimmers, 45-21

Last Tuesday the Caltech swimming team had its first "workout" when they collided with LACC in a practice meet. Just about all Tech got was practice, as the City Collegers won the meet, 45-21.

**Beavers Off to Fast Start**

The meet started with Tech's swimmers winning the medley relay by a half-length of the pool. In the next event, the 220-yard freestyle, Dixon raced to victory for the Tech splashes. But that's where it all ended. After that, LACC took over, and dominated the rest of the events, to pile up their winning margin.

**Best Man**

The outstanding man of the day was Utterbach of LACC. He flashed through the 50 yard freestyle in the time of 24 seconds flat, a very good time for that pool.

**Exhibition Tonight**

Tonight at 8:00 p.m. there will be an exhibition at the Muir J. C. swimming pool. Teams from Tech, Muir J.C., P.J.C., and Oxy will compete in events. Good swimming will be the menu, for only one entry from each school will be allowed in each event, thus giving quality instead of quantity. This should be a good start for the season, which gets under way early next term.

## Beavers Bow To Bruins In Court Opener

Caltech's tennis team was trounced by UCLA—as expected—last Saturday afternoon. However, Coach Johnny Lamb did not return to Beaverland without a slight gleam in his eye. Of the six singles matches played, all were not lost, for agile, hard-swinging Charlie Vahanapanich striking from his number 3 position that day emerged on the long end of his match to win, 6-2, 3-6, 7-5.

**Losers Do Well**

Despite the tough competition, the squad performed well, and John Holmgren, Larry Nobles, Ed Alexander, Jim Suhrer, and Phil Lamson all put up stiff fights, though losing their tilts. These six men teamed for the three doubles matches but in these events, too, they could get but second place.

**Improvement Expected**

As the weeks roll by, more and more improvement can be expected. The doubles teams will profit by working out kinks in their partnerships and all of the men will profit by actual match play.

The UCLA tussle was a non-conference affair, leading up to the league opener with Redlands on April 5. Redlands is the conference tennis "team to beat," but they will have their hands full when they engage the Beaver squad.

## CIT Drops First Game To PJC, 7-4, Play Compton Sat.

**Fielding Errors, Lack Of Punch Contribute**

Although outhit seven to five, PJC defeated Caltech in the opening game of the season by the score of 7-4. Art Vieweg was the outstanding player offensively for Caltech, with two hits, one a double; two stolen bases, and two runs scored.

**Beavers Score First**

Caltech got off to an early lead in the first inning when Johnny Mason's double scored Norman from first. After PJC got two runs in the second, the varsity tied it up with a run in their half. Vieweg led off with a double, and after Morrison and Butler walked, Art scored on a wild throw by the first baseman.

**No Punch**

The Beavers had scoring opportunities in the third and fourth innings, but they failed to materialize. Vieweg and Morrison struck out with two on in the third, and poor base-running by Butler killed a potential rally in the fourth. In the fifth Petruilas put on a show of his own with the old White Sox "Hitless Wonders" technique. He led off with a walk, stole second, went to third on an infield out, and scored on Smith's fly to left. No hits, one run, no errors.

Meanwhile PJC kept pecking away with two runs in the second, third, and fifth innings due to Hedrick's wildness plus sloppy infield work. PJC's aparent ability to steal second at will paid off with several runs. The Beavers got one run back in the sixth when Vieweg singled, stole second and counted on Butler's Texas Leaguer to right. Norman flied out to end the game.

CALTECH		PJC	
Norman, ss	4	1	1
Petruilas, cf, c	0	1	0
Mason, 1b	2	0	1
Lyons, rf	1	0	0
Hedrick, p	2	0	0
Smith, lf	3	0	1
Richartz, c	1	0	0
Patterson, c	2	0	2
Vieweg, cf, 1b	3	2	5
Morrison, 3b	1	0	1
Stutler, 2b	1	0	1
Macginitie, p	2	0	1
<b>Totals</b>	<b>27</b>	<b>4</b>	<b>7</b>
McKeen, ss	3	1	1
Kent, ss	1	1	0
Gorrie, lf	2	0	0
Morris, lf	1	0	0
Devarian, rf	2	0	0
Rowe, rf	1	1	0
Noonan, cf	3	0	2
Finnie, 2b	2	0	2
Rose, 2b	2	1	1
Robinson, 1b	1	0	0
Scaughtler, 1b	2	0	0
Stout, 3b	2	1	1
Nilander, 3b	1	1	0
Thornhill, c	2	0	0
Abbott, c	1	0	0
Litch, p	3	1	1
<b>Totals</b>	<b>29</b>	<b>7</b>	<b>5</b>
PJC	0	2	2
Caltech	1	1	0

Errors: Norman, Mason, Patterson, Morrison, Butler, Rose, Robinson. Runs batted in: Smith, Mason, Butler, Litch, Stout (2). Bases on balls: Off Litch, 4; Hedrick, 3. Struck out: By Hedrick, 2; Litch, 7. Stolen bases: Vieweg (2), Gorrie (2), Noonan, Finnie. Losing pitcher: Hedrick. Winning pitcher: Litch.

## Tech Tracksters Lose to Redlands

**Bulldogs Eke Close Win Over Tech; Beavers Need More All-Around Strength**

A pair of very evenly matched track squads battled it out in Tournament Park last Saturday afternoon, with the Redlands Bulldogs squeezing a 66½ to 64½ decision over the Beavers. The Techmen won eight first places against the Bulldogs' five with ties in two events.

Ken Shauer "made like a gazelle" as he galloped the 220-yard dash in 21.7s. for the best time of the season. "The Stride" also placed first in the 440, and was a member of the winning mile relay combination. Don Tillman heaved the shot 47' 1" and the discus 135' 8" to provide Tech with a pair of double winners.

**Tech Strong in Mile Relay**

The Beaver mile relay team again had things all their own way as Doug McLean, Erle Brown, Stan Barnes, and Shauer won by literally hundreds of yards in the very fine time of 3:27.4.

Redlands maintained their corner in the distance department by sweeping both the mile and two-mile, Leonard Weed turning in a time of 4:38.1 in the four-lap event. Ted Runner of Redlands was high point man of the meet in garnering 14 points for the Bulldogs.

**Win Sprints**

The Beavers showed well in the sprints, with Bob Funk, Chuck Shaller, and Bill Root placing 1-2-3 in the 100, and Shauer and Funk in the first two spots of the 220.

**Pomona, Loyola Tomorrow**

Tomorrow afternoon Tech travels to Pomona to take on the Sagehens and Loyola in a three-way meet.

100—Funk (Tech), Shaller (Tech), Root (Tech). 102.  
220—Shauer (Tech), Funk (Tech), Allen (Red). 21.7.  
440—Shauer (Tech), Dunning (Red), Wagner (Red) 50.3.  
880—Barnes (Tech), Wagner (Red), Simons (Red). 2:03.6.  
1 Mile—Weed (Red). Livengood (Red), Labrecht (Red). 4:38.1.  
2 Mile—Livengood (Red), Weed (Red), Labrecht (Red). 10:30.0.  
120 High Hurdles—Corwin (Red), Runner (Red), Flowers (Red). 15.7.  
220 Low Hurdles—Runner (Red), Schroeder (Tech), Corwin (Red). 25.3.  
Four-man Mile Relay—Caltech (McLean, E. Brown, Barnes, Shauer). 3:27.4.  
Shot Put—Tillman (Tech) 47' 1", Rozier (Red) 41', Bennett (Tech) 38' 11".  
Discus—Tillman (Tech) 135' 8", Runner (Red) 124' 10", Mortons (Red) 121' 11".  
Pole Vault—Tie between Walt (Tech) and Dewar (Red), 11' 6"; Galpin (Red) 11'.  
High Jump—Tie among Walt (Tech), Miller (Tech), Flowers (Red), Kreutzberg (Red). 5' 8".

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# Musical Baedeker

The Hipster has been corraled! The insane one was captured without a struggle while meandering through the gutters of 52nd Street in New York City and was brought to Hollywood to an atmosphere more befitting his personality.

### Gibson's Saga

About a year ago Harry "The Hipster" Gibson, the wolf of Vine Street, took a powder on his screwball set clientele at Billy Berg's. At the time he was co-featured with Slim Gaillard, another nut who has been lost in the shuffle since then. Harry decided to ignore Mr. Berg's contract and wasn't heard from until some six months later, when his name popped up in San Francisco in connection with a theatrical road tour headed by Mae West.

### Man Plays Lousy Piano

The Hipster can again be heard these days at Billy Berg's circus on Vine Street.

Frankly, it is impossible to find any musical merit to his piano playing. He pounds the instrument like an automaton, diverting his befuddled emotions to screeching lyrics that constantly refer to tea and the less beautiful aspects of sex and that simply reek of liquor. The more sensitive radio stations banned him from the air. He is terrible and crude but, man, he is funny. He is so funny that he is being given a juicy part in 20th Century-Fox's forthcoming opus, "Kiss of Death"; he is scheduled to make at least two record albums; and he inked a bigger and better contract with Billy Berg.

### Man Plays Fine Piano

For those who want to hear good music at Berg's, however, there is the excellent trio of Errol Garner. It is indeed fortunate that this fine pianist has decided to stay in California in spite of all the raw deals he has received here. His playing and his unique style are better than ever. His small combo plays relaxing and pleasant jazz without the wild and nerve-racking aspects of many similar musical groups.

Continued from Page 1

Perhaps due to lack of adequate publicity, Tuesday's voting was somewhat lighter than that for the primary. The election was marked by some levity on the part of a portion of the electorate, with write-in candidates from Teufelsdröck to Ginger piling up a grand total of 432 votes. In two cases, such votes had a marked effect on the outcome of elections, forcing two runoffs.

Roughly 60% of the eligible electorate cast ballots.

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