

California Institute of Technology

Thursday, October 20, 1949

Volume LI.

No. 3

## DuBridge Views Tech Problems

"To provide the best instruction for education and research in engineering and science," is Caltech's aim, according to Dr. Lee A. DuBridge in an address delivered at Friday's assembly.

Knowing the intense interest most students have in that popular fad—money—Dr. DuBridge went on to describe Caltech's financial condition, citing staggering figures to illustrate his points. Casually he mentioned that Caltech's value was about \$44 million, \$17 million of which represents the physical plant. The new observatory at Palomar accounts for about \$6 million worth of that physical plant.

### New Buildings

To rebuild our local campus, worth at least \$10 million, would be a \$30 million undertaking today. The Engineering Building going up now will take \$625,000. Our needs include a gym, swimming pool, central library and more space for student living quarters which will come depending on the availability of funds.

Dr. DuBridge pointed out that our total deficit ran up to only \$11,000 in spite of the \$8 million the Institute handled during the past fiscal year. This was under the anticipated amount and was due to the receipt of some unexpected gifts. One of the most interesting points brought out was that the education of one student presently costs about \$2600 per year.

### Frosh Policy

After having had their first Physics exam, some of the Frosh were wondering what the Institute's policy toward freshmen was. Dr. DuBridge clarified this by assuring them that generally 89 per cent of Frosh graduate.

He said that the enrollment aimed at 700 undergrads and that this was the first normal year since the war. The entire student body now numbers 1141. In the past, due to crowded conditions, the Institute has had to turn away large numbers of undergraduate and graduate students. That day is over. Dr. DuBridge said that the cooperation of the student body was of great value in getting the kind of students we want.

### World Problems

"Even though we are interested in science and engineering, we must look in the world and the kind of problems we must face in the world," said Dr. DuBridge as he eased into another topic. "Our attentions, our resources, our energies are used by the problem of a divided world. Danger of an atomic war exists. The major objective is to find ways of avoiding a war at all. It must be analyzed and understood."

### Two Wars

Continuing, he said that we have two cold wars—though often confused for one. There is the nationalistic cold war and the ideological cold war. Dr. DuBridge said that even though the nationalistic war could be checked by using all possible diplomatic methods backed up by armed might, it was impossible to expect these things to work in the ideological war. "The only thing that can conquer a bad idea is a better idea."

(Continued on Page 4)

### Campus Calendar

**THURSDAY, OCTOBER 20**  
12:00 Throop Club Meeting  
12:00 Y Upperclass Lunch Club  
7:15 ASCIT Board of Directors Meeting  
in Lower Fleming  
7:25 Y Cabinet Meeting, Y Lounge  
7:45 Dancing Class in Culbertson

**FRIDAY, OCTOBER 21**  
11:00 Pomona Pep Rally, at Rally Center  
4:30 Water Polo—Varsity vs. UCLA  
Frosh at P.C.C.  
ASCIT Exchange with Scripps at  
Scripps

**SATURDAY, OCTOBER 22**  
10:00 Radio Club Ham Shack Shuffle  
10:30 Soccer—Varsity vs. UCLA at  
Tournament Park  
5:45 Football—Frosh vs. Pomona at  
Rose Bowl  
8:00 Varsity vs. Pomona at Rose Bowl  
Open House in All Houses after Game

**SUNDAY, OCTOBER 23**  
7:30 Film Classics in Culbertson

**MONDAY, OCTOBER 24**  
7:30 Radio Club Meeting, 401B  
7:30 Film Classics in Culbertson

**TUESDAY, OCTOBER 25**  
12:00 Y Frosh Lunch Club

**WEDNESDAY, OCTOBER 26**  
7:30 Orchestra Rehearsal in Culbertson  
9:00 Glee Club in Culbertson

## Alumni Series Talks Continue

Next Tuesday at 7:15 p.m. in the Ricketts House lounge, Mr. William H. Saylor will present the third talk in the Alumni Placement Series with a discussion of the "Employment of Scientists and Engineers in Federal Civil Service."

All interested Caltech students are cordially invited to this group of lectures, which is being sponsored under the kind auspices of the Alumni Association of the Institute.

### Caltech Grad

Because he received his B.S. degree from Caltech in 1932, Mr. Saylor has had ample opportunity to obtain first-hand information concerning the placement problems of the student as well as the employment conditions existent in the scientific professions. He was formerly with the Metropolitan Water District of Southern California and the U.S. Engineers, and at present is the director of the Underwater Ordnance Department at the Naval Ordnance Test Station.

### Background

Drawing from extensive background, Mr. Saylor will begin his talk with a survey of the need for engineers and scientists in the Federal Government and the type of responsibilities involved in this category. The discussion will continue with probably the most interesting topic of the evening—the opportunities, the advantages, and the disadvantages of governmental work as compared to similar positions in industrial employment.

### Thank You

Our thanks to Institutors Joe Cain, Jon Goerke, Dave Banks, Clark Brundin and Bill Barmore for printing the big "Beat Pomona" sign for the pep rally tomorrow.

## Classics Lure New Longhairs

The Musicale again offers free membership to all students of the Institute, both graduate and undergraduate, interested in hearing classical music on the campus. Anyone wishing to join should see Professor Hunter Mead in 209 Dabney.

New members are required to learn how to operate the record machine, and agree to abide by the rules of the organization. The Musicale sells individual keys to its room for 35 cents.

Musicale members, numbering about 100, have access to the records and player at any time.

### Rich Collection

The Musicale is located in Dabney Hall with an entrance off the alley between Dabney and Throop. A collection of 2,000 records ranging from selections of Palestrina to works of Gershwin and Stravinsky is boasted by the Musicale. The Carnegie Institute donated 1,000 of these records and a phonograph to the Institute in a grant made in 1937. Caltech allocates \$300 a year to the Musicale for its budget, which is its sole source of income.

### Noonday Concerts

Record concerts given Monday through Friday during the noon hour are relayed to loud speakers in Dabney Lounge and Gardens. The selections are arranged by Musicale members.

## Color Film To Be CES Meet Feature

"The Story of Rubber," a technicolor film, will be shown by the A.S.M.E. and S.A.E. at the Consolidated Engineering Society meeting next Monday, October 24.

The film, made by the Firestone Tire and Rubber Company, will be seen in 201 Bridge at 11:00 a.m. All engineering society members and the public are welcome.

## Scrippsward Ho! Exchange Slated Tomorrow Night

### Sporty Social to Offer Mixers, Entertainment For Caltech Men

This week announcement was made by two of Southern California's prominent social leaders, Miss Jo Sampson and Mr. Bill Freed, concerning an exchange to be held at Claremont Friday, October 21, from 8:30-12:00 p.m.

The extensive planning plus the capability of Miss Sampson, who is the Social Chairman of Scripps, and Mr. Freed, who is

First Representative of Caltech, assures us that this exchange will be a great success. Particular care has been taken to prevent any other big event from conflicting with this one.

### Selected Attendance

This exchange will be limited to members of the highest society. Only students of Scripps and Caltech are expected to attend. In addition an attempt has been made to make this affair stylish. Only men wearing clothes will be admitted.

### Special Plans

This sportily dressed set will break up into groups to facilitate introductions and mixing. Fleming will start at Browning, Ricketts at Dorsey, Blacker at Clark, Dabney at Toll, and Throop Club will spread its charms equally among Toll and Browning.

### Entertainment

Many types of mixer dances have been well spaced throughout the evening to help the exchange serve its purpose. In addition to mixers, formal entertainment has also been planned with both schools contributing.

## Seniors Meet To Honor Prexy

The aspiring, perspiring Class of 1950 turned out 100% for this year's first senior class meeting last Monday morning.

Buzzing with an eagerness that could not be contained, the seniors rose as a man when President Stan Boicourt entered, and rendered him the most rousing ovation ever afforded a Caltech dignitary.

### Rousing Hand for the Man

For 30 minutes all efforts to restore order failed, as President Boicourt was swept to the shoulders of his colleagues and carried again and again around the vast expanse of 206 Dabney. Then the Great Man raised his hand, and immediately there was silence. He spoke softly, swiftly, concisely; the sea of upturned faces listened with a fierce intensity.

### Daughters

Tea was served by the following faculty daughters: Elena Benioff, Sari Epstein, Joan Huse, Mary Kyropoulos, Linda Pauling, Marietta Robertson, Anna Went, and Jacqueline Ferry.

### Finance Comes to Fore

The last item of business brought to light in the meeting class dues of three and no/100 clams per head. For 30 minutes all efforts to restore order failed as vegetables filled the air, and President Boicourt was dragged by his heels time and time again around the vast circumference of 206 Dabney to end the proceedings.

## Frosh Draft Plans For Pre-Oxy Fete

A meeting of the frosh class was held Monday, October 17, to discuss plans for the Mudeo and the pre-Oxy game bonfire. Pat Fazio and Mal Silva presided.

Pat explained the details of the Mudeo to the frosh and advised them to make plans for the excavation of the pit and for the various other arrangements. Mal instructed the frosh to elect house chairmen to handle the crews which gather boxes for the bonfire.

Shown hard at work planning the CIT-SCRIPPS exchange for October 21, at 8:30 are Jo Sampson and Bill Freed. Dress will be sport.

## ME-CE Building On Schedule

Construction on the new section of the ME-CE building is proceeding on schedule, according to Prof. Peter Kyropolous of the mechanical engineering department.

"The new building will make it possible for the whole applied mechanics department to operate under one roof for the first time in the school's history," Prof. Kyropolous said.

The metallurgy laboratory, headed by Dr. Donald S. Clark, will be moved from the aeronautics building, where the space is badly needed for other activities.

The dynamics laboratory, under the direction of Dr. Hudson, will also be moved to the new structure with expanded facilities.

The building is expected to be ready for occupancy early next summer.

### Hams

A special meeting to rearrange the Ham Shack will be held Saturday, Oct. 22, at 10 a.m. All members are requested to attend the regular meeting Monday, Oct. 24, in 401 Bridge, at 7:30 p.m.

## Darbs Down Reds In Crew Classic

Acme brew and the rapid consuming thereof were the foci of attention during Dabney's big barn-dance weekend.

After weeks of intensive training under coach Joe Cain, the crew team hiccoughed to a splashing victory over their Fleming rivals, winning by two lengths. Spectators and athletes alike were loud in their cheering for what are believed to have been the fastest team in Caltech history.

Shifting from fast times to the less intoxicating, the Darbs will spend next weekend in watching Caltech conquer Pomona in football, and then in a different kind of pursuit at the ASCIT-Scripps exchange. This last should offer a good chance for upper-classmen to overcome the lead taken by their freshman cohorts, a situation due in no small part to the most excellent Royce blind date service.

## DuBridge Host Caltech Freshmen

Dr. and Mrs. Lee A. DuBridge this weekend entertained Caltech freshmen at tea at their home, 734 Fairfield Circle.

171 freshmen are now enrolled at the institute, representing 18 states and seven foreign countries including the Hawaiian Islands, the Philippines, Canada, Egypt, Ecuador, England and the Argentine.

### Hosts

Assisting as hosts and hostesses were Professors and Mmes. H. Frederic Bohnenblust, Paul Bowerman, J. Kent Clark, Norman R. Davidson, William L. Huse, Beach Langston, Henry F. McCreery, Linus Pauling, Hallett Smith, Foster Strong, George K. Tanham; Professors Harvey Eagleson, Roger F. Stanton, Ernest C. Watson; Resident Associates Norman Bulman, Harry Ellis, Carel Otte, George F. Smith; and YMCA Secretary Wesley Hershey and Mrs. Hershey.

### Daughters

Tea was served by the following faculty daughters: Elena Benioff, Sari Epstein, Joan Huse, Mary Kyropoulos, Linda Pauling, Marietta Robertson, Anna Went, and Jacqueline Ferry.

## Blacker Welcomes Guests From Oxy

Gardenias graced the dress of each guest as a typically successful exchange dance with Oxy formally opened this term's social calendar Friday evening in Blacker. Out-of-the-ordinary refreshments and a humorous skit by Carl Hildabrand, Chuck Bates and Stan Groner provided a pleasant interlude in the evening's dancing.

Those fortunates who trekked to Camp Ivy Saturday evening were well rewarded for their efforts. Sports in the afternoon, tempered by dancing and fire-side singing after a picnic supper contributed to the overwhelming success of Blacker's annual Mountain Party.

This week-end Blackerites will move to the Scripps exchange, and Saturday the lounge will be open for dancing following the Pomona game.

## Secretary's Report

**At the last meeting** of the Board of Directors the issue was raised concerning letters for Soccer men. It seems that the Soccer team in the past has operated as a club in order that some of the proficient frosh and grads could compete on varsity level. Also since there are few schools hereabouts that have soccer teams, most of the games must be scheduled with amateur teams. The fact that the team this year will operate on the same principle brought up the question as to whether or not the members of the team should actually receive letters for their efforts even though they received them under the same conditions last year. It has always been the policy to award letters only for intercollegiate competition.

**After a thorough discussion** of the matter the Board voted unanimously to add the following Resolution to Section 2, Part (a) of the ASCIT Resolutions:

The minimum required number of intercollegiate games for awards in soccer shall be (5).

(Signed)

Ollie Gardner

## ON THE RECORD

By Bill Whitney

## Records Worth Hearing

Gloria Mass—Antonio Vivaldi  
Vox-Polydor L.P.

Chorus of the Choral Academy, Lecco Orchestra of the Teatro Nuovo, Milan

Until recently, Vivaldi has been considered one of the merely "historically important" composers. His compositions, while contributing to the development of music, supposedly did not have sufficient intrinsic musical value to survive. Discovery and rediscovery of some of Vivaldi's forgotten works seem to indicate that their neglect is unmerited. Such compositions as the Concerto Grosso in D

Minor, The Four Seasons, and now the Gloria Mass, indicate that Vivaldi had an exceptional talent.

## Exceptional Ability

The Gloria Mass is a good example of Vivaldi's ability. It is not as complex harmonically or polyphonically as any of Bach's choral works; nevertheless, listeners who for some reason associate only plain-song or parallel harmony with anything pre-Bach or contemporary Bach (except Bach) will be surprised at the harmonic devices Vivaldi does use; particularly his modulations.

The Gloria Mass is effective by its directness. The themes are unpretentious (the kind one remembers, incidentally). There are no unnecessary orchestral

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## Potpourri

By Bob Crichton

Little bits of information are always intriguing! 11% of the Frosh are vets, 29% of the Sophs, 37% of the Juniors and 72% of the Seniors.

Eleven Techmen attended the YM-YW Conference at Camp Seeley over the weekend. A stimulating and enjoyable time was had by all.

An eminent faculty member said recently (not about CIT), "College is a four-year loaf made from father's dough."

## Admissions Policy

Ever since I got into Tech, I have wondered just what sort of admissions policy they had here. So one day I walked into Dean Jones' office and asked him, and this is what he said:

The Admissions Committee is looking for men who will benefit by the particular type of education offered here; who have originality; who show the right sort of curiosity, and who are likely to turn into good citizens.

Caltech is not interested in training routine technicians, but in preparing men who, in 15 or 20 years, will lead in the advancement of knowledge in their own fields. They must not only be good thinkers but must also be respected in their communities so that their ideas will receive serious consideration.

## Problems

The kind of man defined above  
(Continued on Page 4)

## • CAMPUS BREWINS

The weekend found the Beavers still pursuing, o'er field and stream, with gun and camera, the ever-elusive diversion. Ricketts spent the whole weekend amassing material, and clawed their way through two (2) exchanges. The Rowdy-Browning dinner caper came off with some degree of satisfaction—at least gastronomical. Some of the young ladies were rather late, as "Leadfoot" Ron Conners had to take time out to tangle tin with another vehicle on the way in (to Ricketts, of course). Ron showed little concern for the hysterical girls, expending all his sympathy on his tattered fender. Due to this inexpert timing, the Friday night fish was all gone, but Sue, under the blandishments of Norm Schroeder's blond charm, came through with a truly fine HAM dinner. Just like a mother to us, that girl quote—leave it be).

Blacker, too, was culling the nearby mills for the priceless ingredient. At the Blacker-Oxy contract making session two frosh were observed to be sadly lacking in aplomb: Stefanides, who had taken his partner out on the balcony only to find her considerably more forward than he had expected, was forced to seek aid, and Twining (more accurately, Twinee) who was afraid, from the extremely affectionate way she was dancing, that his partner "was getting serious."

The deathly calm about the  
(Continued on Page 4)

western half of the houses last Sunday, the few strained, white faces seen at lunch, the mounting toll on the highway (but I didn't hear nobody pray) all attest to the fact that the Darbs and the Lemmings had a nice, normal, healthy Barn Dance.

Mono-brew MacKenzie was in evidence, weaving about and exhorting the troops to "Get Loosh!!", as his date—a lovely girl from Oklahoma (no exclamation point) with a butch haircut—supplemented his somewhat rubbery knees. Seeking after Mac's title of Mono-brew was Joe "Sugar" Cain, who was so highly exhilarated that we could hardly see him. Noticing energetic protests from Dutch's date, we leaned over his shoulder, and there saw the source of irritation—D. Royce. It seems as though Royce had, while teetering (this was early in the evening, and he was still able to teeter) away from the bar, spilled a bit of brew on her sweater. She didn't mind the moisture so much, but seemed to object to his earnest efforts to brush the beer off. Fred Wood was seen in the company of a short, pleasant-looking girl from parts far (27 mi.) away. What ever happened to that blonde-inhabited '49 convertible V-8?

Transportation to the hills was aided by the Darbs' so-called hay truck. Hedrick, who was supposed to pick up the hay, got delayed at a pre-dance PBAA rally  
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## Who Dealt This Mess

BY CARL FOX

The only one level opening bid that has not been discussed is the opening No Trump. This is a specific bid and should be reserved for a particular type hand. An opening No Trump indicates a hand containing between 3½ and 4 honor tricks and a balanced distribution. Such hands as 4-3-3-3, 4-4-3-2, and even occasionally 5-3-3-2 are sufficiently balanced but an opening No Trump may never be made with distribution such as 4-4-4-1 or 5-4-2-2.

## The No Trump

The No Trump bid is NOT an overly strong bid. True, it has a surplus of honor count, but this is offset by the fact that it contains several potential losers in each suit. It does, however, guarantee partner that you hold no singletons and no weak doubletons. Any doubleton must be Ax and preferably or AQ. In addition, the hand should contain stoppers in least three suits. For example

S AK	S 9752	S J962
H 98643	H QJ10	H KJ10
D KJ10	D KQ3	D AQ8
C AJ10	C AKQ	C KJ10

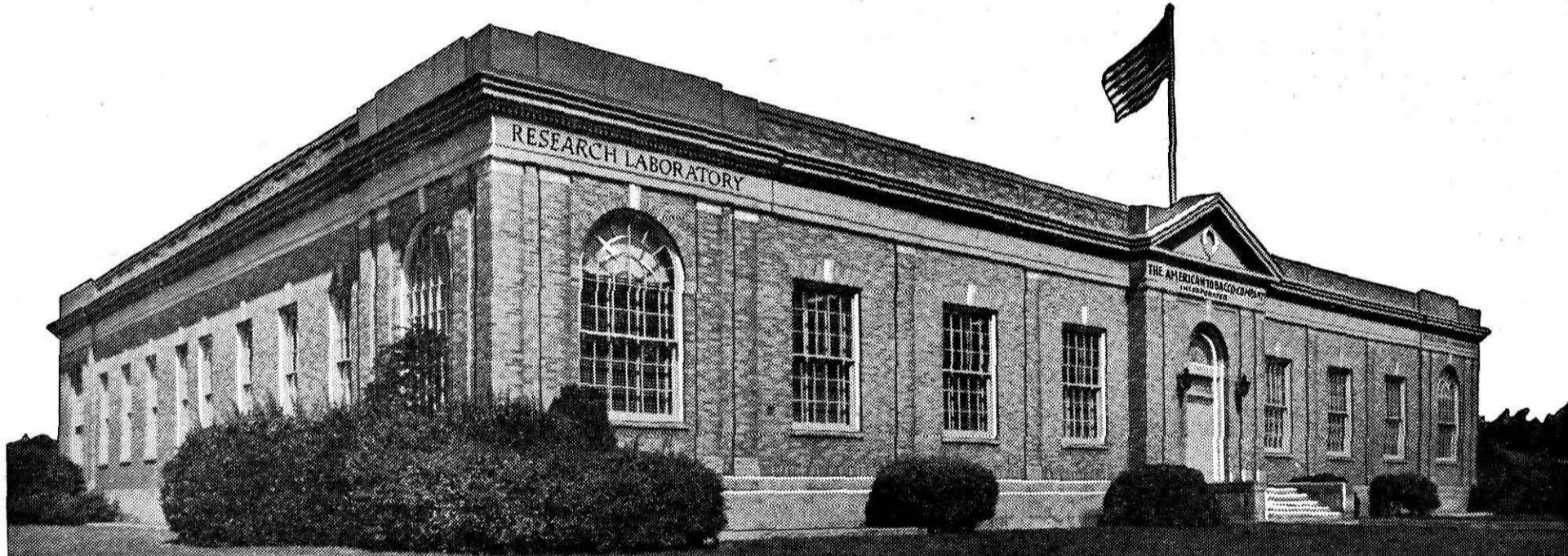
are excellent opening No Trump bids, with the first being an absolute maximum while the last is a minimum.

## Third

Last week there were three hands printed as a test in opening bids. The first hand was to be passed while the third was to be opened with One Heart. The other requires some con-

(Continued on Page 4)

# To give you a finer cigarette Lucky Strike maintains AMERICA'S FINEST CIGARETTE LABORATORY



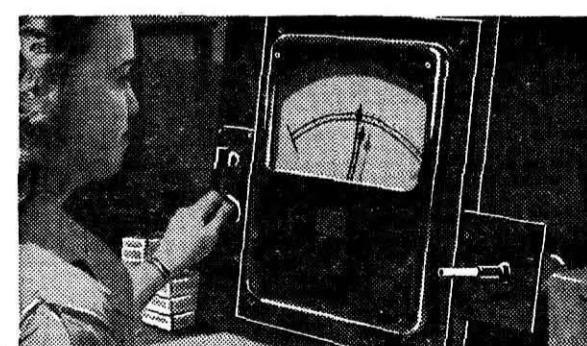
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# Tech Water Polo Team Takes On UCLA Frosh

Tomorrow the Caltech varsity water polo squad will take on the UCLA Frosh in their first game of the current season. The contest is scheduled for 4:30 p.m. and will take place at the PCC pool, where Tech swimmers have been working out since the beginning of the term.

Sorely missed will be many of the stalwarts of last year's team who have graduated. However, this year's will have considerable depth. Out of the large turnout, enough good players are developing to allow frequent substitutions, thus making it unnecessary for the first team to play the entire game — something which few players can do at full efficiency.

Last Thursday, Coach Palmer collected a number of graduates who had played on the Tech team in previous years and pitted them against the varsity squad of this year. On the graduate team were Bill Harris, Fred Elmer, Bill Dixon, Merrick and Coach Palmer plus sufficient Freshmen to make it a full team. The contest was even until Merrick arrived and got into the game; then acting varsity captain Dick Libbey began making large scale substitutions. No score was kept.

## Vogel & Cathey

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## SPEAKIN' SPORTS

with Mike

Meandering by the Greasy a couple of days ago I ran into Mike Sellen mumbling incoherently to himself. When asked the nature of his troubles, he broke down and admitted that it was that he was being accused of writing this sports column. For those that are concocting letters of threat, poisoned darts and utterances of generally derogatory nature, let them be directed at Mrs. Michaelson's boy, Leon, and not innocent Mr. Sellen.

### In the Wind

Attention ye volleyball fiends. A meeting of all men interested in participating in intercollegiate volleyball will be held at 11:00 a.m. tomorrow. Mr. Hans Vogel has expressed his sincere desire to coach the Tech team. Mr. Vogel coached the USC volleyball squad and won the NCAA championship.

### Shakedown

An element of interest about next Saturday's game with the Poets will be the new defense local cleasters will display. Obviously top secret, we are anxious to see how it works against the team that was given a 40-33 scare by LaVerne.

## Uclans Meet Tech Soccermen

UCLA's soccer team has sworn to be on hand next Saturday, the 22nd, at 10:30 a.m. in Tournament. They must feel they need lots of practice before tackling us because they called off the game scheduled for last Saturday.

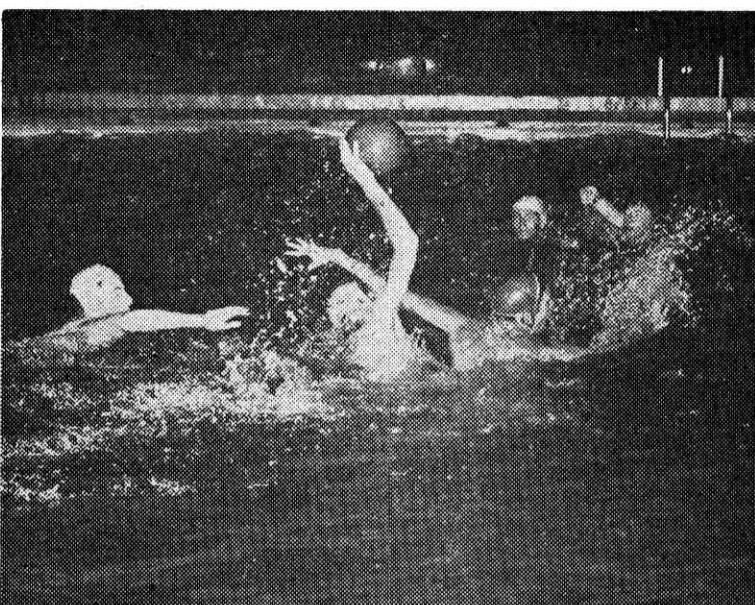
After two weeks of practice our team should put on a good showing. With two full teams reporting for practice every day, Coach Hill has had lots of material to choose from.

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# Beaver Sports

## SPLASH



Pictured above are several members of the Beaver water polo squad in a recent scrimmage session. The mermen take on the UCLA Frosh team tomorrow afternoon at the PCC tank.

## Ski Club Plans For First Races

The latest scoop about the Caltech Ski Club has come out of last Monday night's planning meeting and from numerous committee conferences. The most important news to come from these meetings concerns the work planned for the ski cabin. A complete outline of the necessary work has been completed and a work party is expected to go up to the cabin over the weekend.

### Current Projects

Construction of a fire escape, enlarging of windows, and repair of the fireplace are the immediate projects of the work party. Members will also be pleased to

hear that the lighting plant for the hut has already been repaired and is ready for use.

### Skiers Plan

The Caltech Ski Club is going ahead with plans for the coming racing season, too, with Dabney Hall the location of a recent meeting of the Southern California Intercollegiate Ski Association, the governing body of local intercollegiate racing. Another meeting is scheduled for the near future, and team invitations have already gone out to 18 schools, ten of which fielded teams last year.

All Tech undergrads including Frosh are eligible for participation on the ski team, and Varsity and Frosh minor sport letters are awarded to team members.

## On Laundry Day

### LOOK FOR ONE OF THESE MEN

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Fleming—Ken Hammond • Blacker—Pete Howell

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# Rose Bowl Scene of Beaver-Hen Clash

## Ailing Pomona Eleven Favored Over Rejuvenated Engineers Saturday

Two nights hence the Beavers do battle with the Sagehens in what looks to be a much more even game than the Whittier fiasco. This is the first conference game for Pomona and will take place in the Rose Bowl.

### Pomona Confident

Pomona's record so far is three won and one lost. The Sagehens hold victories over San Diego Marines, Santa Barbara, and

La Verne; their loss being to San Diego State. La Verne was beaten by only one touchdown, final score 40-33. This indicates the possibility of an upset Saturday night.

The Engineers have had two weeks, not of rest, but of good hard workouts, polishing up their fundamentals, especially blocking and tackling. Besides smoothing out the old plays, Coach La Brucherie has been teaching the team some new ones to spring on Pomona. A new defense has also been instituted on the Beaver team. It is hoped that it will be more effective than the old one against an air attack.

### New Spots

There have been some shifts on the Caltech squad due to injuries. Marshall will be in the quarterback slot again, although Jim Schofield may be able to play part of the game. Dallas Peck is taking over Marks' spot at tackle, while Craig is bothered by a bad leg. Don Baker is still not ready for action, and Woody is still favoring a sore leg. Moving big Ted Bowen from end to tackle will help bolster the center of the line.

As for the Sagehens, it is possible that Lloyd Herbener, star left half, will be out of the game. He was injured after scoring the first touchdown against La Verne. Johnny McColl will be in there passing and running through, and if he can be stopped a large part of the Pomona offense will be squashed. Another man to keep your eye on is Sagehen sprinter Roger Reinke at end. He likes to receive McColl's passes and turn them into touchdowns.

Last week Laverne showed that Pomona is not invincible. Our team is in good shape now and willing to go out and fight. So let's all show up at the Rose Bowl at 8:00 Saturday night to cheer the Beavers on to victory.

Fleming jumped to a three run lead in the first inning.

### Throop, Darbs Tie

We saw a real thriller last Wednesday when Throop met Dabney in their IH baseball game. The lead changed hands three times before darkness set in, and the teams had to settle for a draw. The So' Westers drew first blood with one run in the first inning, but timely blows by Bob Munro and Roland Johnson brought Throop back into the game with 5 runs in their first two frames. Dabneyites then exploded in the third inning with five runs only to have the Throops bring in a lone run in the last inning to knot the count. Dabney 6, Throop 6.

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THURSDAY, OCTOBER 20

Quartet No. 17 in B Flat Major (Hunt) (K. 458), by Mozart. Budapest String Quartet (24).

Trio No. 7 in B Flat Major (Archduke), by Beethoven. Artur Rubinstein, Pianist; Jascha Heifetz, Violinist; Emanuel Feuermann, Viola Cellist (35).

Quartet in D Major by Tchaikovsky. Roth String Quartet (25).

Quintet in A Major (Trout), by Schubert. Artur Schnabel, Pianist. Pro Arte String Quartet (31).

FRIDAY, OCTOBER 21

Weekly Feature Concert—Music of American Composers

Adagio for Strings, by Barber. NBC Symphony Orchestra conducted by Arturo Toscanini (8).

Symphony No. 2 (Romantic), by Hanson. Eastman-Rochester Symphony Orchestra conducted by Howard Hanson (29).

Jesu, Joy of Man's Desiring, by J.S. Bach. Concerto in F, by Gershwin. Boston "Pops" Orchestra conducted by Arthur Fiedler (29).

Rhapsody in Blue, by Gershwin. Boston "Pops" Orchestra conducted by Arthur Fiedler (12).

From Childhood—Suite for Harp and Orchestra, by McDonald. Edna Phillips, Harpist. Philadelphia Orchestra conducted by Karl McDonald (20).

Peter Ibbetson—Suite, by Taylor. Columbia Broadcasting Symphony conducted by Howard Hanson (15).

SATURDAY, OCTOBER 22

Carmen, by Bizet. Soloists, Chorus and Orchestra of L'Opera Comique of Paris conducted by Eric Cohen.

MONDAY, OCTOBER 24

Tristan and Isolde—Prelude and Liebestod, Berlin Philharmonic Orchestra conducted by Wilhelm Furtwangler (18).

Symphony No. 4 in F Minor, by Tchaikovsky. National Symphony Orchestra of England conducted by Sir Malcolm Sargent (40).

Arthur Rubinstein, Pianist.

Concerto No. 1 in B Flat Major, by Liszt. Dallas Symphony Orchestra conducted by Antal Dorati (16).

Sonata No. 23 in F Minor (Appassionata), by Beethoven (19).

Suite No. 3 in D Major for Orchestra, by Bach. B.B.C. Symphony Orchestra conducted by Sir Adrian Boult (20).

TUESDAY, OCTOBER 25

Leopone Overture, No. 3, by Beethoven. NBC Symphony Orchestra conducted by Arturo Toscanini (13).

Symphony No. 5 in E Minor (New World), by Dvorak. Symphony Orchestra conducted by Leopold Stokowski (40).

Ginette Neveu, Violinist.

Concerto in D Major for Violin and Orchestra, by Brahms. The Philharmonia

**WHO DEALT THIS MESS?**

(Continued from Page 2) sideration. The hand—

S AKQJ  
H 87  
D K7  
C QJ954

should be opened with One Club. By this opening you leave the way open to a Diamond or Heart response from partner, and you can still bid One Spade. But suppose you open One Spade and he replies Two Hearts? Where to now, little man?

**DuBRIDGE VIEWS**

(Continued from Page 1)

he said. "When ideas are arrayed against us, let's throw away our guns and bring out our own ideas." He said that we should bring Communism out into the open and compare it with our system; then announce the results to the world. "Every American can help. It is difficult but it must be done."

Orchestra conducted by Issai Dobrowen (38).

Francesca da Rimini, by Tchaikovsky. Philharmonic-Symphony Orchestra of New York conducted by Leopold Stokowski (20).

WEDNESDAY, OCTOBER 26

La Forza del Destino—Overture, by Verdi. Symphony Orchestra of Turin conducted by Gina Martinuzzi (7).

Symphony No. 2 in E Minor, by Rachmaninov. Philharmonic-Symphony Orchestra of New York conducted by Artur Rodzinski (42).

Lawrence Tibbett, Baritone (24). Eri Tu from the Masked Ball, by Verdi. Cavaradossi and Era la Notte from Otello, by Verdi.

Largo el Factotum from the Barber of Seville, by Rossini.

Toreador Song from Carmen, by Bizet.

Avant de Quitter ce Lieux from Faust, by Gounod.

Midsummer Night's Dream—Incidental Music, by Mendelssohn. Cleveland Orchestra conducted by Artur Rodzinski (28).

Dances conducted by the Polovetski Maidens from Prince Igor, by Borodin. London Philharmonic Orchestra conducted by Gregor.

**CAMPUS BREWINS**

(Continued from Page 2) and didn't quite make it, so a group of lovely Student House mattresses were procured. Oh well, we always had trouble getting that hay out of our ears the next day, anyhow. Another transportation was enacted by Fleming's own Billy Drake. Seems that his girl was providing drayage in the form of an antediluvian Buick, and pleased him not a bit by insisting on driving. A few blocks and two fenders later, Commander Billy took the wheel (tapocketa-poc-keta) and made it all the way up with only the minor misfortune of casually sideswiping another car. The evening was made complete by the premature exhaustion of the gallant vehicle's petrol supply. It was left leaning 'gainst the curb, bloody but unbowed.

Bob Cobb appeared with a gal stolen from the night before's Fleming exchange, but his activities were marked with a startling soberness. He actually walked out under his own power this time. Another surprising sober was bartender Ed Welch. Giving up the beverage as well as the girls, Ed?

The PBAA, showing a democratic disregard for house or party lines, turned out en masse for the D-F mountain maneuver, and even furnished the judges for the athletic contests. Said contests were both caged by the drunken Darbs over the doughty but kleen-kut Lemmings.

Not content to leave the mounds to the Ibid Oaks crowd, Blacker men also hid themselves to a mountain rendezvous—one a good, solid, athletic four miles from where they parked their cars. (sob) A regrettable dearth of ethanol was reported, the only wise climbers being Howard, B. F. Pyatt, and Schlitz (literally).

Carel Otto was complaining bitterly about this lack, but suffered in improvident thirst. A belated punch of the card is proffered. Among the social climbers was Myron Social-wheel, who never came in from outdoors once (oh, fie!) after dinner until it was time to go—

"Lever" (?) McKinnon's PCC wench made herself conspicuous this evening for, among other things, venturing into the bathhouse normally used by swimmers to change apparel in, but at present being used by Orville for that purpose, which he was precisely in the middle of (prepositions, schmepositions), to their mutual (we hope) embarrassment. Thorne Butler was publicizing a Dr. Pepper-type maneuver with Oxy—10, 2, and 4—or gal No. 1, gal No. 2, and then retribution in the form of discovery by No. 1. Malheureusement.

**Gad!**

Proud father at graduation day exercises: Well, son, what was the hardest thing you learned at Caltech?

Young Dopeful: How to open beer bottles with a quarter.

**POTPOURRI**

(Continued from Page 2) exists in reasonable numbers. The first problem is to let him know that Caltech wants him and to get him to apply. The second problem is to get a good geographical spread in the enrollment and avoid provincialism. A healthy goal to be aimed at is to have 50% of the students from the Pacific Coast, and the rest from elsewhere.

Switch to Board Exams Caltech is switching to Col-

**ON THE RECORD**

(Continued from Page 2) embellishments. The use of the chorus is simple, yet brilliant and moving.

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The subject of admissions is naturally linked to scholarships, but that is another story which I hope to tell later.

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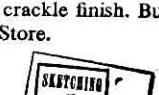
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