

California Institute of Technology

Thursday, December 1, 1949

Volume LI.

No. 9

## Tau Bates To Initiate 21

Tau Bates Pi, national honorary engineering and science fraternity, will formally initiate nineteen new undergraduate and two alumni members tomorrow.

The traditional banquet following the initiation ceremonies will feature speeches by Mr. Howard B. Lewis and Dr. Dean E. Woolridge, alumni members who are being elected to the honorary fraternity. Also, an original twenty minute play will be given by the undergraduate initiates after the steakfest.

### Alumni Initiates

The two Alumni initiates were chosen on the basis of their outstanding records of achievement in engineering. Mr. Lewis was president of the Alumni Association last year. Dr. Woolridge, who is a research associate in electrical engineering on campus, is in charge of the electronics division of Hughes Aircraft Company.

Nineteen undergraduates will become Tau Bates. Five juniors were chosen from the list of eligibles on the basis of their participation in campus activities as well as their exceptional scholastic records. They are Robert Kurland, Peter Mason, Dallas Peck, Richard Taylor, and William Whitney.

Elected on the basis of their outstanding records were the following senior scientists: Duane Cooper, James L. Kohl, Robert Ross Jennings, Scott Lynn, Dave Manning, and Roger Picciotto. Senior engineers to be honored with bents include Cecil Drinkward, William Haefliger, Craig Marks, James McCaldin, Dwight Schroeder, Win Soule, and Richard Wright. In addition, J. Fred Rents will be initiated for the

(Continued on Page 4)

## Debaters Back From Stanford

Caltech debaters won more than fifty percent of the debates they took part in at the recent Western Speech tournament held last week at Stanford University according to Coach McCrory. Debaters who made the trip and participated in upper division debate were Stan Grover, Ralph Stone, Ulrich Merten and Bob Smith.

More than 40 colleges from the various western states were represented at the tournament and an estimated total of more than 400 students participated. With the close of the Western tournament, Caltech debaters shift from the topic, "Resolved that the United States Should Adopt a Marshall Plan for the Orient" to the national topic, "Resolved that the United States Should Nationalize the Basic non-Agricultural Industries."

### February Tournament

On this question, Caltech is sponsoring an invitational championship tournament to be held on this campus February 24 and 25. A similar tournament was held at Caltech last year, and Coach McCrory reports that among the various debate coaches in this area, the Caltech tournaments are regarded as being excellently managed. Students interested in debating should see Coach McCrory.

## Campus Calendar

**THURSDAY, DECEMBER 1**  
12:00 Y Upperclass Lunch Club  
12:00 Throop Club Meeting  
4:30 Water Polo Varsity vs. El Camino at El Segundo  
7:15 ASCIT Board of Directors Meeting in Lower Fleming  
7:45 Dancing Class in Culbertson

**FRIDAY, DECEMBER 2**  
7:00 Basketball Caltech vs. PCC Reserves at PCC  
9:00 Basketball Caltech Varsity vs. PCC, PCC

**SATURDAY, DECEMBER 3**  
10:00 Varsity Soccer vs. USC at USC  
10:00 Conference Cross Country Freshman  
10:30 Conference Cross Country Varsity at Tournament Park  
7:00 ASCIT Formal Dance at Riviera Country Club

**SUNDAY, DECEMBER 4**  
7:30 Film Classics Series in Culbertson

**TUESDAY, DECEMBER 6**  
12:00 Y Freshman Club  
7:15 Alumni Placement Series Lecture in Dabney House

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

## BERT AT BANQUET



Coch Bert LaBrucherie says a few things to the throng gathered at the annual Fall Athletic Banquet held last Monday at Brookside Park Country Club.

## Loyola Coach Featured Speaker At Sports Dinner

Those present at Brookside Park Monday night, witnessed a minor miracle. Due to the skillful planning of Noel Reed, athletic manager, and the forceful MC-ing of Dr. Sharp, "You can take as much time as you please, just so it isn't over nine minutes," this year's Athletic Banquet will probably go down in Tech annals as the first one to finish according to schedule.

### Wheaton Trophy

The two major awards for athletics this year were given, strangely enough, to a couple of fellows in the Geology department. Don Baker was presented the Wheaton Plaque while Dave MacKenzie received its soccer sequel.

### Olivar Humorous

Guest speaker, Coach Jordan Oliver of Loyola, gave a very interesting and humorous account of his Villanova team's track meet with Army in 1944, when Davis and Blanchard ruined them to the tune of 83-0.

It seems that due to the Navy's accelerated scholastic program at Villanova, all but one

man on his team graduated three days before the game, so he recruited a new team and with 110 minutes of practice proceeded to West Point to face the Kadets or as he said, "Direct traffic as Army marched down the field."

### Grid Lettermen

Coach LaBrucherie announced that Odell Carson had been chosen team captain and that Don Baker, Leon Bass, Roland Berner, Jim Blom, Ted Bowen, Odell Carson, Bain Dayman, Dave Hanna, Dick Karasawa, Don Lamar, John Lewis, Craig Marks, Alan Marshall, Leon Michelson, Art Miller, Randy Moore, Dallas Peck, Noel Reed, Don Schmid, Jim Schofield, Dwight Schroeder, Howell Tyson, Jim Wilcox, and Harold Woody received varsity football letters this year.

Senior awards went to Merle Kam and Ed Worrell and Howard Mower received a varsity manager's letter.

### Fresh Pigskinners

In the Fresh football department, Coach Preisler in 4.499

(Continued on Page 4)

## ASCE Sponsors Unusual Talk

Last Monday, the ASCE presented Mr. Billig, of London, England, who spoke on "Corrugated Concrete Construction." Born and educated in Vienna, and having served as a consulting engineer to the Russian government prior to his work in England, Mr. Billig was well qualified to speak on this subject as this type of construction originated in Europe.

### Unique Construction

These shells employ parallel beams bent into catenaries anchored in a concrete foundation. Over this framework is placed netting and a subsequent coating of concrete, giving a quonset hut appearance.

Of particular importance to Mr. Billig and his colleagues is the fact that this type of building can be built with unskilled labor and relatively little equipment. With the supplement of slides and movies, Mr. Billig's talk proved quite interesting to the chapter.

## Zero Reader At CES Talk Monday

The Zero Reader, recent and promising development in the field of aircraft position and direction control, will be the subject of a lecture Monday, Dec. 5, in 201 Bridge at 11 a.m. Speaking on the new safety device will be Mr. T. Webel, representative of the Sperry Gyroscope Co.

One of the regular CES series, this lecture is sponsored by the AIEE and IRE and is open to all those interested in the device.

## New Instituter Wheels Chosen

With the term rapidly drawing to a close, Ricketts and Dabney House Instituters had meetings last Monday to elect House Chairmen for the coming term. Mike Callaghan was chosen to lead the Ricketts men, while Tom Stockebrand will be in charge of the Dabney activities.

Instituters signing up off-campus men for their Big T pictures and serving as spotters at the last cross-country meet were Ham, Vogel, Welch, Dickenson, Hirsch, Cuff, and Polk.

## McKinney Prize Contest Announced

"What Price Civilization" is the challenging topic offered as the subject for the McKinney Prize Contest in English this year.

This annual contest is open to all members of the Junior and Senior classes and offers first and second prizes of \$75 and \$50. Each winner will also receive a valuable book as an additional trophy.

Assigned reading will consist of four short books:

H. G. Wells: *The Time Machine*  
Aldous Huxley: *Brave New World*

George Orwell: *1984*  
George R. Stewart: *Earth Abides*

A full announcement of the contest will be made by the English department next week. For complete information see Professor MacMinn, 212 Dabney Hall.

## Gay Yule Spirit To Flavor ASCIT Formal Dinner-Dance

### Saturday's Festivities Will Star Hal Loman's Band At The Riviera

The luxuriant environment of the Riviera Country Club, the availability of a scrumptious pre-dance dinner, and the languid music of Hal Loman's orchestra will be the hallmarks of this year's ASCIT Christmas Formal on Saturday evening.

Dinner, which is to be prepared by the Los Angeles Athletic Club, will be served from 7:30 till 8:00, and dancing will commence at 9 o'clock. Dress will be semi-formal; that is, dark suits or tuxes will be in order for the affair.

### Two Bars Open!

Bill Freed, First Representative, has secured the facilities of the entire club for the ASCIT. Candle light and soft music will provide the holiday atmosphere in the dining room on the second floor. Liquid refreshments from the bar will also be available to diners. Other opportunities for diversion will be found in both bars, the coke room, and the lounge.

Parking will be no problem this year as the entire parking lot in front of the Riviera has been placed at the disposal of the ASCIT.

### Hal Loman's Band

Hal Loman and his ten piece band will feature the San Francisco style of music with numerous Rhumbas and Sambas. Starred are the Hal Loman singing trio with Mary Moseley, who will be on hand to add a touch of sweetness to the music.

## Seniors Take Note Of This!

The final Alumni Placement Discussion lecture for the fall term will be held at Dabney House on Tuesday, December 6, at 7:15 p.m. The guest speaker, Mr. Harold C. Hill, will present another subject of general interest with a discussion on "The Placement Outlook and How to Get a Job."

In the past the discussions have been marked by a poor attendance with "mutterings" from the rear that the topics under discussion were not of general enough interest. The interest for this one should prove to be general enough with the added dividend of presenting material of primary importance to all Seniors graduating in June.

### Seniors Face Competition

This discussion should be a preliminary warning to any Seniors still wearing "rose-colored glasses," since the business world is returning to normal in regard to hiring engineers and scientists. Now is the time for the "graduate" to evaluate his possibilities with the thought to selling himself to an employer, since the competition for the positions with the better possibilities is becoming stiffer.

Mr. Hill will discuss the general placement outlook for the 1950 graduate and what procedure the graduate may use that may help to secure the job. The discussion will then continue with the interviews themselves—covering the topics: what they are like, what one should talk about and finally, what are some of the "don'ts" in interviewing and in seeking employment.

## Wind Tunnel To Be Built

The noise of pavement breakers and chipping hammers emanating from the Astrophysics Arch is a harbinger of a new 175 MPH wind tunnel which will be ready for operation by the end of January. Mr. William Bowen, superintendent of GALCIT (Guggenheim Aeronautics Lab) said that this new tunnel will replace the old one that had been located at PCC. The tunnel will be used for graduate research and will have some of its time rented to private corporations.

### 175 mph Speeds

A 75 hp motor runs the single return tunnel which has a working area of 42 by 27 inches. The propeller on the tunnel is variable in pitch. The Air Laboratory Development Company is constructing the new tunnel, which will cost the Institute \$14,500. GALCIT is also buying a new balance for the tunnel since the old balance that was on the wind tunnel at PCC is inadequate for the higher speed of 175 mph.

### Concrete Pilings

The cost of moving the old wind tunnel from PCC to Caltech would have been high, so it was decided to buy a new tunnel more suited to the needs of the graduate school. The old tunnel could only reach a wind velocity of 60 mph.

The building which will house the new tunnel is being erected by the Contracting Engineers Co. This building will be set on concrete pilings and beams on the Astrophysics arch between the Astrophysics optics shop and the central machine shop. \$18,000 is being paid directly by the Institute for the tunnel housing.

## Pipe Mead's Organ Hobby

By Duane Marshall

### Concrete

In the bedroom which was extended down, the organ started to take shape. Incidentally, it took a week to dry by fans the 8 tons of concrete lining this addition to the bedroom.

Dr. Mead was stricken with a mania for pipe organs in his early high school days. Since then, one of his highest ambitions has been to install one of these monstrosities in his own house.

### Big Break

His first big break came when he discovered a pipe organ, of vintage 1907, for sale in a church in Sierra Madre. After removing it piece by piece to fill his garage and back yard, he and his mad cohorts wisely enlisted the aid of a professional pipe organ man. (Such does exist.)

Then began the fun. The floor of the front bedroom was brutally removed. The wall between that bedroom and the living room was removed and then 12 tons of dirt beneath the bedroom was removed. This—is work.

(Continued on Page 4)

### Mead Revives

Mead and his amateurs, aided and restrained by their professional help, just about completely revised the old organ. They changed the valve controls from pneumatic to magnetic. They revamped the keyboard, rearranged the pipes and enlarged the whole business in general.

Just a short while ago Dr. Mead's eyes widened at the prospect of obtaining the old chapel organ, 1886 style, from the Pasadena Presbyterian church opposite Sears. His attic now sags with 1500 pipes.

(Continued on Page 4)

## Big T Ad Sellers Wanted-It Pays!

To earn fifty (50) dollars is quite possible!

Why not spend part of this Christmas vacation and/or next term to not one, but several advantages? For selling advertisement in the 1950 Big T, the services of many of the extroverted salesmen types which abound on the campus are needed.

### Advantages!

The advantages: a) the remuneration, b) the acquisition of business and possibly job contacts, c) salesmanship experience, and d) the chance to do service to your school. This service to the ASCIT is recognized by honor key points.

For information see Jim Blom in Dabney House between 12:30 and 1:00 any noon.

## Who Dealt This Mess

BY CARL FOX

Every so often there come to every bridge player hands that are out of normal bounds. These are often freaks of the types, 7-3-2-1, 7-2-2-2, or 8-3-1-1, for example. Such hands require special handling.

Certain opening bids have been set aside to be used with this sort of freaks. One of these is the opening three bid.

The opening three bid is not primarily intended to make life miserable for the opposition, although it does make it difficult for them to enter the auction. But, with any reasonable sort of a break, you intend to make the contract. Thus opening three bids should not be used carelessly.

This bid is generally reserved for hands containing at least a seven-card suit, although this may be reduced to six cards if the suit is strong enough. The suit should, if a major, be strong enough that not more than one trick will be lost in it. If a minor, no tricks should be lost (barring an abnormal split).

In addition, the hand should be fairly useless as support to partner in the play of a contract in any other suit. Thus it is often fairly balanced in the outside suits.

Then there is the honor count requirement. The hand should contain between 1½ and 3 honor tricks with not more than one outside the bid suit.

## The Evening Concert

KFAC 8-10 p.m.

**Presented by the Southern California and Southern Counties Gas Companies**

THURSDAY, DECEMBER 1

The Abduction from the Seraglio—Overture, by Mozart. London Philharmonic Orchestra conducted by Sir Thomas Beecham (6).

Symphony No. 4 in G Major, by Dvorak. The Philharmonic Orchestra conducted by Rafael Kubelik (40).

Double Concerto in A Minor for Violin, Violoncello, and Orchestra, by Brahms. Georg Kulenkampff, Violinist. Enrico Mainardi, Violoncellist. L'orchestre de la Suisse Romande conducted by Karl Schuricht (36).

Also Sprach Zarathustra, by Richard Strauss. Chicago Symphony Orchestra conducted by Artur Rodzinski (30).

FRIDAY, DECEMBER 2

Weekly Feature Concert—A Program of New Recordings

Le Roi Malgre Lui—Fete Polonoise, by Chabrier. San Francisco Symphony Orchestra conducted by Pierre Monteux (8).

Symphony No. 6 in E Minor, by Vaughan Williams. B.B.C. Symphony Orchestra conducted by Sir Adrian Boult (32).

Nathan Milstein, Violinist.

Concerto in A Minor for Violin and Orchestra, by Glazounov. Symphony Orchestra conducted by William Steinberg (20).

Divertimento Militaire Sive Sinfonia, by Leopold Mozart. Berlin State Opera Orchestra conducted by Walther Gmeindl (20).

Serenade No. 10 in B Flat Major (K. 361) by Wolfgang Amadeus Mozart. Boston Symphony Orchestra conducted by Serge Koussevitzky (30).

SATURDAY, DECEMBER 3

The Bartered Bride, by Smetana. National Opera Company of Prague conducted by Otakar Ostrcil.

MONTDAY, DECEMBER 5

Don Pasquale—Overture, by Donizetti. La Scala Orchestra conducted by Carlo Sabatino (7).

Symphony No. 3 in E Flat Major (Rhenish), by Schumann. Philharmonic-Symphony Orchestra of New York conducted by Bruno Walter (31).

Witold Malcuzynski, Pianist.

Concerto No. 2 in F Minor, by Chopin. The Philharmonic Orchestra conducted by Paul Kleczki (29).

Romeo and Juliet—Dramatic Symphony, by Berlioz. NBC Symphony Orchestra conducted by Arturo Toscanini (26).

Cephale et Procris, by Gericke. Chicago Symphony Orchestra conducted by Frederick Stock (9).

TUESDAY, DECEMBER 6

Impresario—Overture, by Mozart. National Symphony Orchestra of England conducted by Boyd Neel (4).

Symphony No. 1 in G Minor (Winter Dreams), by Tchaikovsky. Indianapolis Symphony Orchestra conducted by Fabien Sevitzky (41).

Fritz Kreisler, Violinist.

Sonata No. 10 in G Major for Violin and Piano, by Beethoven (23).

Isle of the Dead, by Rachmaninoff. The Philadelphia Orchestra conducted by Rachmaninoff (19).

Serenade No. 1, by Smetana. String Orchestra, by Suk. Czech Philharmonic Orchestra conducted by Vaclav Talich (27).

WEDNESDAY, DECEMBER 7

The Water Carrier—Overture, by Cherubini. Symphony Orchestra of Turin conducted by La Rosa Parodi (8).

**WHEN YOU ARE HUNGRY  
WHEN YOU ARE THIRSTY**

or  
**WHEN YOU JUST  
NEED RELAXATION**

IT'S THE

**SKIP INN**

Beer - Plate Lunches  
1352 E. WALNUT  
Open Till 2 A.M.

On the basis of the above information, these hands are good opening three bids:

S 72	S Q3
H AQJ10953	H 8
D K3	D 985
C 96	C AKQJ573
S KQJ9743	S Q9853
H A652	H 8
D 7	D —
C 6	C AKQJ573

but such hands as these

S KQJ9743	S Q9853
H A652	H 8
D 7	D —
C 6	C AKQJ573

are not, even though they contain essentially the same size cards and the same honor count.

In both of the last two hands it would be well to start with a bid of one in the long suit, for the hand is well adapted to play in either of two suits, if partner holds the other, and are within the honor trick requirements of opening one bid. In particular, with the second hand, it is worthwhile to tread cautiously and see if perhaps partner can come up with a Spade bid somewhere along the line. For a Spade contract is much to be preferred. It takes one less trick for game and partner can throw away most all his losers on your Club suit. In fact, if partner has much of anything in his hand in Spades the hand appears decidedly slamish.

### NOTICE

The campus, or elimination, round of the National Intercollegiate Bridge Tournament will be held here the evening of Thursday, Feb. 23. All pairs desiring to enter should play as much as possible in the Inter-house tournaments for practice.

### Musical Masterpieces

KFAC 4-5 p.m. daily

2-5 p.m. Sunday

**Presented by the Slavick Jewelry Company**

THURSDAY, DECEMBER 1

The Snow Maiden "Dance of the Tumblers" Rimsky-Korsakov. Albert Coates and National Symphony Orchestra

Jeux D'Enfants Ballet Suite—Bizet, Antal Dorati and London Philharmonic Orchestra

Hansel and Gretel Act 1—Humperdinck Hansel—Rise Stevens, Mezzo-soprano. Gretel—Nadine Conner, Soprano. Witch—Thelma Votipka, Soprano. Father—John Brownlee, Baritone. Mother—Claramae Turner, Contralto. Max Rudolf and Metropolitan Opera Chorus and Orchestra

FRIDAY, DECEMBER 2

"Oppritschka" Overture—Tchaikovsky, Anatole Fistoulari and National Symphony Orchestra

"The Fantastic Toyshop" Ballet—Rossini, Eugene Goossens and London Philharmonic Orchestra

"Hansel and Gretel," Act 2—Humperdinck Max Rudolf and Metropolitan Opera Chorus and Orchestra

SATURDAY, DECEMBER 3

"La Cenerentola" (Cinderella) Overture—Rossini, Arturo Toscanini and N.B.C. Symphony Orchestra

"Hansel and Gretel," Act 3—Humperdinck Max Rudolf and Metropolitan Opera Chorus and Orchestra

Schwanen "Polka and Fugue"—Weinberger, Eugene Ormandy and Fugue—the Philadelphia Orchestra

SUNDAY, DECEMBER 4

"Patrie" Overture—Bizet, Roger Desormiere and National Symphony Orchestra

Symphony No. 2 in D Major—Brahms, Fritz Busch and Danish State Symphony Orchestra

"The Holy City—Little Star of Bethlehem" Adams, Richard Crooks, Tenor

MONDAY, DECEMBER 5

"Tequila" Overture Fantasia—Dunlap, Izler Solomon and Columbus Philharmonic Orchestra

Concerto for Orchestra—Bartok, Eduard van Beinum and Concertgebouw Orchestra of Amsterdam

Prince Igor "Polovtsian Dances"—Borodin, Leeds Festival Choir, Sir Thomas Beecham and London Philharmonic Orchestra

TUESDAY, DECEMBER 6

"La Finta Giardiniera" Overture—Mozart, Bruno Walter and Vienna Philharmonic Orchestra

"Octet" in F Major—Schubert, The Vienna Octet

Preludes from "Temple of Peace"—Lully, Dimitri Mitropoulos and Minneapolis Symphony Orchestra

WEDNESDAY, DECEMBER 7

Preludium and Bercuse—Janefelt, George Weldon and City of Birmingham Orchestra

Mazurkas—Chopin, Maryla Jonas, Pianist Orchestra

Symphony No. 2 in D Major, by Beethoven, Boston Symphony Orchestra conducted by Serge Koussevitzky (41).

Galliano Masini, Tenor (32).

The Seasons—Ballet Suite, by Glazounov, Dallas Symphony Orchestra conducted by Antal Dorati (29).

Norwegian Rhapsody, by Lalo, Paris Conservatory Orchestra conducted by Eugene Bigot (9).

TUESDAY, DECEMBER 8

Impresario—Overture, by Mozart, National Symphony Orchestra of England conducted by Boyd Neel (4).

Symphony No. 1 in G Minor (Winter Dreams), by Tchaikovsky, Indiana-Polish Symphony Orchestra conducted by Fabien Sevitzky (41).

Fritz Kreisler, Violinist.

Sonata No. 10 in G Major for Violin and Piano, by Beethoven (23).

Isle of the Dead, by Rachmaninoff, The Philadelphia Orchestra conducted by Rachmaninoff (19).

Serenade No. 1, by Smetana, String Orchestra, by Suk, Czech Philharmonic Orchestra conducted by Vaclav Talich (27).

WEDNESDAY, DECEMBER 7

The Water Carrier—Overture, by Cherubini, Symphony Orchestra of Turin conducted by La Rosa Parodi (8).

## Carson, Woody On SCIC Team

Five Southern California Inter-collegiate Conference coaches met on November 21 in the Athenium to choose the 1949 All-Conference football teams. Senior Odell Carson took top honors at end position to cap his sparkling three-year football career at Tech. Hailing from mighty Tustin (Calif.) Union High School, Carson boasts his second Varsity letter this year and affords us all the opportunity to be proud of his sportsmanship and excellent playing on the football field.

### Soph. Woody

Harold Woody marked one up for himself and his class by being chosen as second string fullback on the All Conference team. Sophomore Woody is the proud product of Glendale, Calif., and is sure to become an important part of Tech's crack 1950 squad.

### Schedules Planned

The Southern California Inter-Collegiate Athletic Conference that met here on the 21st also made up the spring sport schedule for the conference schools. Next year's football schedule was also agreed upon.

(Continued on Page 4)

## SPEAKIN' SPORTS with Mike

With football officially out of the way as indicated by Fall festivities, we have little more to do than to give all the deserving hands a clap on the back in recognition of their valiant efforts. We can point with special pride to Carson for making first All-Conference team and Woody for grabbing second team honors. Carson, we see, pulled a deserved double keeno when he also was elected team captain. Nice goin', Odell! A bucket of roses to Don Baker in congratulations for being awarded the Wheaton Trophy — he deserved it.

With double honors seeming to be the word of the day, Dave MacKenzie came through true to form. He was elected captain of the soccer and also was awarded the most valuable player award.

### Polo Men

Tuesday, a little late for publication, Caltech waterwings sashayed confidently over to Occidental to meet the Tiger polo men in a second encounter. Oxy tamed us in our first game to hand us our only defeat in seven starts, thus providing sufficient reason for the prediction of an interesting battle. Occidental took advantage of the loose reffing of the last tussle, which was highly instrumental in the victory they attained. Learning a few pointers from the game, lo-

## PASADENA BOWLING COURTS

970 East Colorado  
Headquarters 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 Lane

(Continued on Page 4)

# Beaver Sports



Steve Chong (left) aids Carel Otte as the Flying Dutchman prepares to score against USC in a recent soccer game at Tournament Park. The booters lost 7-3 to the Trojans.

(Continued on Page 4)

## Bevos Top L.A. State; Downed at Chapman

### Tech Hoopmen Shine Against LA; Find Trouble With Chapman Five

The Varsity bucket boys, in their first scheduled contest of the season last Tuesday afternoon, took a rough and tumble win from the L. A. State College quintet.

The first few minutes of the game saw the Beavers in the hole by a margin of 11-1, but, by whipping quickly into shape and maintaining drive, they picked up the difference and gave us a close, fast game all the way as is indicated by the half time score in the

Beavers favor, 25-21, final score, 45-41, and the personal foul tally of 29-22.

### Fouls Galore

Four of our first string could not quite control their enthusiasm and each accumulated five personal fouls retiring them from the game. Monty took team high point honors with eleven digits, pushed by Patapoff with ten and Bowen (in his first appearance this season) with eight.

### Chapman Wins

The following evening, however, the Techmen had no such cause for jubilation. The rugged chaps from Chapman took off immediately and amassed the disheartening lead of 18-13 mainly by means of their well oiled screen play. The Engineers' defense was finally able to stop this destructive routine but the Chapman dead-eyes reverted to mid-court shots which they could not miss. Offensively, the Caltech crew was just not there. The ball handling was poor, the fast break did not materialize and the shots just refused to drop through the hoop.

Maybe the Pasadena boys were preoccupied with thoughts of next day's turkey feast; or, maybe Coach Shy told them they had better concentrate on minimizing the personal fouls. Whatever the cause, we were finally trounced 58-32.

The boys have been working extra hard this week on ball handling and offense in general, so, the prospects for a good game are excellent. Game time—8:15. It's just three short blocks to the P.C.C. gym so let's all turn out for a good show.

## Country Team In All-SCIC Meet

The Caltech cross country team tops off its winning season this Saturday, Dec. 3, at Tournament Park in the All-Conference Meet. While the team placed second in conference dual competition this year, considerable improvement by several men gives us an excellent chance for winning.

### Top Meet

Meeting the best the conference has to offer, both Varsity and Frosh teams will run start-(Continued on Page 4)

## Soccer Squad Meets Trojan

The last soccer game of the season will be played this Saturday when Southern Cal plays host to us in a rematch. We hope to show the home team the same courtesy they showed us in Tournament Park two Saturdays ago when they beat us 7-3.

The lineups for this Saturday's battle are as follows:

Tech	G.	USC
Asquith	G.	Melvin
Noble	LF	Garfinkel
Welch	RF	Schwartz
Fairall	LH	Cafate
MacKenzie	CH	Cohn
Baggerly	RH	Ketterman
Williamson	LW	Lerrazas
Wood	LI	Holquin
Otte	CF	Castro
Schlanger	RI	Kellerman
Inglis	RW	Gartierrez

### For SPECIAL STUDENT RATES

Place Your Order for a Corsage Early

at

### JONKER'S FLORISTS

Corner of Lake and California

Only a Few Blocks from Tech

### CHRISTMAS! HAVE YOU SEEN THE GIFTS FOR MEN

at

Open Evenings

Until

Christmas

"Men's Distinctive Fashions"



881 E.  
Colorado

**Fowler & Schrader**

"Men's Distinctive Fashions"

## WIN \$250.00 CASH!

Students interested in the Theatre, Drama, Music, Modeling, Television, Dancing, Painting, Sculpturing, Photography, Costume Designing, or other of the arts, can win a \$250.00 cash prize for writing the best letter of 250 words or less on the theme . . . "I'd like to study (or continue my studies) in drama, music, etc.

Award will be made by the Beaux Arts Ball Committee in conjunction with the First Hollywood New Year's Eve BEAUX ARTS BALL.

All Winners Will Be Announced at the Beaux Arts Ball, New Year's Eve, Sat. Nite, Dec. 31st at Shrine Convention Hall

Your letter must be postmarked not later than midnight, December 15th.

All letters become the property of the Beaux Arts Ball Committee.

**BEAUX ARTS BALL COMMITTEE**  
1017 No. La Cienega Blvd., Los Angeles 46, Calif.  
Phone CRestview 1-7767

## Ice Skating

Daily 2:30 to 5, 7:45 to 10:45

Sat. & Sun. Morn. 10 to 12:30

Skates for Rent

Instructions

Pasadena Winter Gardens

171 South Arroyo Pkwy.

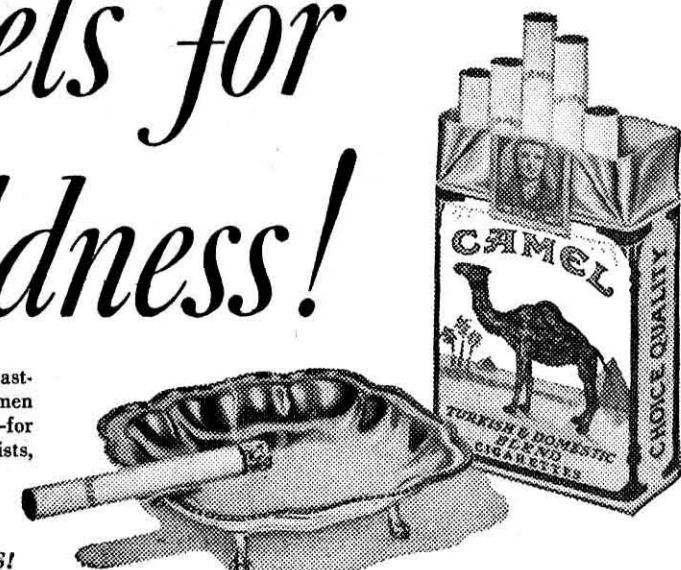
SY. 2-7151 RY. 1-6066

## JOHN'S BICYCLE SHOP

SINCE 1909  
• BICYCLES  
• TENNIS  
• BADMINTON

42 North Fair Oaks Ave.  
Pasadena  
Telephone SYcamore 2-4767

WITH SMOKERS WHO KNOW...IT'S  
**Camels for Mildness!**



**PIPE MEAD'S ORGAN**

(Continued from Page 1)

**Miles of Wire**

As of now, statistics on the monster run like this: 40,000 feet of wire have been used in the electrical systems in controlling the beast. The thing weighs about 4 tons now and is to weigh 7 tons in the future. A 2 h.p. motor supplies 1600 cu. feet of air per min. to the pipes. And this is before he adds those pipes in the attic! "I hope to expand as time, space, money, neighbors and zoning ordinances permit," cheerfully stated the musical master.

**Words of Wisdom**

Just in case you may be considering organizing as a hobby, listen to words of wisdom from one who knows.

To illustrate his point more vividly, Dr. Mead gives forth with an anec-dote. A young man approached the renowned J.P. Morgan with the question, "Mr. Morgan, does it cost much to keep a yacht?"

"Young man," came the answer, "if you even have to ask that question, you can't afford one." So far, thanks to his friends labor and generosity and war surplus materials, the thing has cost about \$3000. A comparable organ on the market would take one for the handsome sum of about 20 to 24 thousand dollars.

**Flexible Deadline**

Christmas is the present, and fourth deadline for the completion of the small "it."

Dr. Mead has found that he will be unable to give private organ recitals. Apparently neighbors within quite a radius of the house obtain the benefit of the music. Now, a silent prayer for Dr. Donald Hudson, their nearest neighbor.

All this work—and nobody's getting P.E. credit for it!

**COUNTRY TEAM**

(Continued from Page 3)

ing at 10 a.m. with the Frosh at three miles. At 10:30 the Varsity starts over a distance of four miles.

The Frosh meet promises to be close too, inasmuch as they are tied for the conference dual championship. Big gun and captain Duane Marshall will face the conference in an attempt to win the first place medal. A well balanced team should back him up to win.

**Varsitymen**

Varsity competition promises to be close with Bill Pilkington and Captain Pete Mason of Caltech gunning for John Barnes of Oxy. Bill Parker, another Occidental star, has been heard to say that he will beat Barnes, proving that the meet should be an exciting one.

**OAK  
KNOLL**

Cleaners  
and Laundry

**ONE  
DAY**

**Cleaning  
Service**

AT REQUEST  
NO EXTRA CHARGE

**FOUR-DAY  
LAUNDRY**

902 East California Street  
(4 Doors East of Lake)

SY. 3-6704

Next Door to  
Caltech Barber Shop

**CARSON, WOODY**

(Continued from Page 4)

The following is the All-SCIC first-string football team:

Pos.	Name	School
E	Odell Carson	CT
E	Robert Levin	O
T	Richard Fairand*	P
T	Robert Mockler	R
G	William Payne**	W
G	Evan McKinney	W
C	Don Conde*	W
Q	Richard Tucker*	W
H	John McColl**	P
H	Buckner Harris	W
F	George Coebath*	P

\*—Second year on All-Conference.

**FROSH SPORTS ROUNDUP**

(Continued from Page 3)

with Woodbury College at Free-mont High in L.A. Game time is 7:30 p.m.

**Cross Country**

This Saturday at 10 a.m. here at Tournament Park, the Frosh harriers will meet their conference opponents in an all-conference meet. Let's get out and give our guys a little push on that long exhausting run.

By the way, two issues ago, and last issue, we executed a blunder—something to the effect that the Frosh will play P.C.C.

this Saturday. This was a slight misrepresentation, as the Frosh are recuperating that night from the Woodbury game on Friday. We hope all our noble readers will forgive us for this inadvertent slip. 'Nuff said.

**LOYOLA COACH**

(Continued from Page 1)

minutes announced Pat Fazio and Neil Stefanides co-captains with Dick Bates, Bill Gardner, Pat Fazio, John Gee, Ron Helin, Tom Janssens, Harvey Johnson, Bob Kubik, Jim LaTourette, Gene Muehlberger, Walter Pi-lant, Al Pitton, Don Romine, Neil Stefanides, George Stranahan, Charles Tallman, A. J. Teague, Jack Walker, B. M. Wallace, Pete Wessel, and Ron Willens as this year's frosh numeral winners. The managers were E. Mendenhall and F. L. Thurston.

**Team Captains**

No letter winners have been announced as yet in the other sports, since their seasons aren't completed, but the team captains were named. In varsity cross country Pete Mason was named captain, while in the frosh it was Duane Marshall. Dave MacKenzie was chosen soccer chief. Ed Reinecke was selected varsity water polo captain, with Alan Haire as frosh head man.

**Tennis Pins**

Jack Poindexter, Dean Blanchard, Jack Martin, and Sid Stone were given pins for their part in obtaining the tennis co-championship last spring.

**Sharp Presents**

The climax of the evening came with Dr. Sharp's presentation of the Geology department's coveted award for "The man who needs it most" to Art (Pudge) Miller. The trophy was a perfectly formed specimen of Gabbro. Gad!

**High Scores Mark****IH Ten Pinning**

Sid Stone of Ricketts and Win Royce of Dabney completely stole the spotlight for their spectacular games in this week's Interhouse Bowling League play. Stone started his second game with seven strikes and seemed to be on his way to a perfect 300 game, when his eighth ball broke a little too much and left a 4-7 split. Another strike and split in the final frames gave him a huge 231 score, high for this year's league.

In team play this week, Throop led with a clean sweep of eight games, Dabney won seven, Ricketts won four, Fleming took one, and Blacker failed to score.

U.C.L.A.'s bowling team comes to Pasadena this Sunday to do battle with Tech's rapidly improving keglers in the second half of an intercollegiate match.

Tech lost by a small margin at Westwood, but is confident of victory on their home alleys.

Come out and give your support to the team this Sunday at 2 p.m. at the Pasadena Bowling Courts, on Colorado Blvd., across from the Academy theater.

**Pacific Sailboat****Race Scheduled**

The fifth annual Pacific Coast Championship Regatta will be held Saturday and Sunday, December 17 and 18, 1949.

The Newport Harbor Yacht Club, where the event will be held, will have a dinner and dance for all concerned Saturday night, Dec. 17.

Caltech must file with the Fleet Secretary by Dec. 10, the names of all those men who are going to participate.

If anyone who has sailing experience is interested in sailing for the glory of Caltech, see either Don Royce in Dabney, or Art Cuse in Blacker. We still need old salts.

victory on their home alleys.

Come out and give your support to the team this Sunday at 2 p.m. at the Pasadena Bowling Courts, on Colorado Blvd., across from the Academy theater.

**TAU BATES**

(Continued from Page 1)

Carnegie Tech chapter.

**Pledge Period**

The formal initiation is the climax of a three week pledge period. During this period the undergraduate initiates each collected 100 autographs of active and inactive Tau Beta Pi members, polished up brass bents for the active members, and performed other sundry duties.

**SPEAKIN' SPORTS**

(Continued from Page 3)

cal water polo men hope to even the score.

All hail Edward Reinecke, who was elected the captain of the 1949 water polo team by members recently. Besides boasting a well-chosen captain, however, tankmen may surely acclaim this year as a producer of a very fine team. Strong under pressure, the Beavers came from behind twice and were two times victors in overtime contests. We meet El Camino, who also boasts a very strong team, in their pool Thursday afternoon.

**CORSAGES****YOUR DATE WILL LOVE**

at Reasonable Prices

**CALIFORNIA FLORISTS**

26 East California Street

SYcamore 6-2693

In the Middle of the Block

**OAK  
KNOLL**

Cleaners  
and Laundry

**ONE  
DAY**

**Cleaning  
Service**

AT REQUEST  
NO EXTRA CHARGE

**FOUR-DAY  
LAUNDRY**

902 East California Street  
(4 Doors East of Lake)

SY. 3-6704

Next Door to  
Caltech Barber Shop

**CARSON, WOODY**

(Continued from Page 4)

The following is the All-SCIC first-string football team:

Pos.	Name	School
E	Odell Carson	CT
E	Robert Levin	O
T	Richard Fairand*	P
T	Robert Mockler	R
G	William Payne**	W
G	Evan McKinney	W
C	Don Conde*	W
Q	Richard Tucker*	W
H	John McColl**	P
H	Buckner Harris	W
F	George Coebath*	P

\*—Second year on All-Conference.

\*\*—Third year on All-Conference.

**FROSH SPORTS ROUNDUP**

(Continued from Page 3)

with Woodbury College at Free-mont High in L.A. Game time is 7:30 p.m.

**Cross Country**

This Saturday at 10 a.m. here at Tournament Park, the Frosh harriers will meet their conference opponents in an all-conference meet. Let's get out and give our guys a little push on that long exhausting run.

By the way, two issues ago, and last issue, we executed a blunder—something to the effect that the Frosh will play P.C.C.

this Saturday. This was a slight misrepresentation, as the Frosh are recuperating that night from the Woodbury game on Friday. We hope all our noble readers will forgive us for this inadvertent slip. 'Nuff said.

**LOYOLA COACH**

(Continued from Page 1)

minutes announced Pat Fazio and Neil Stefanides co-captains with Dick Bates, Bill Gardner, Pat Fazio, John Gee, Ron Helin, Tom Janssens, Harvey Johnson, Bob Kubik, Jim LaTourette, Gene Muehlberger, Walter Pi-lant, Al Pitton, Don Romine, Neil Stefanides, George Stranahan, Charles Tallman, A. J. Teague, Jack Walker, B. M. Wallace, Pete Wessel, and Ron Willens as this year's frosh numeral winners. The managers were E. Mendenhall and F. L. Thurston.

**Team Captains**

No letter winners have been announced as yet in the other sports, since their seasons aren't completed, but the team captains were named. In varsity cross country Pete Mason was named captain, while in the frosh it was Duane Marshall. Dave MacKenzie was chosen soccer chief. Ed Reinecke was selected varsity water polo captain, with Alan Haire as frosh head man.

**Tennis Pins**

Jack Poindexter, Dean Blanchard, Jack Martin, and Sid Stone were given pins for their part in obtaining the tennis co-championship last spring.

**Sharp Presents**

The climax of the evening came with Dr. Sharp's presentation of the Geology department's coveted award for "The man who needs it most" to Art (Pudge) Miller. The trophy was a perfectly formed specimen of Gabbro. Gad!

**High Scores Mark**

**IH Ten Pinning**

Sid Stone of Ricketts and Win Royce of Dabney completely stole the spotlight for their spectacular games in this week's Interhouse Bowling League play. Stone started his second game with seven strikes and seemed to be on his way to a perfect 300 game, when his eighth ball broke a little too much and left a 4-7 split. Another strike and split in the final frames gave him a huge 231 score, high for this year's league.

In team play this week, Throop led with a clean sweep of eight games, Dabney won seven, Ricketts won four, Fleming took one, and Blacker failed to score.

U.C.L.A.'s bowling team comes to Pasadena this Sunday to do battle with Tech's rapidly improving keglers in the second half of an intercollegiate match.

Tech lost by a small margin at Westwood, but is confident of victory on their home alleys.

Come out and give your support to the team this Sunday at 2 p.m. at the Pasadena Bowling Courts, on Colorado Blvd., across from the Academy theater.

**CAMPUS BARBER SHOP**

in Coffee Shop Building

ALSO AGENT FOR LAUNDRY

Picked up Monday, Delivered Friday and CLEANING

**CORSAGES**

YOUR DATE WILL LOVE

at Reasonable Prices

**CALIFORNIA FLORISTS**

26 East California Street SYcamore 6-2693

In the Middle of the Block

**A** *Always* **B** *Buy* **CHESTERFIELD**

*They're MILD! They're TOPS! -*

*IN AMERICA'S COLLEGES  
WITH THE TOP MEN IN SPORTS  
WITH THE HOLLYWOOD STARS*