

Volume XLIX

California Institute of Technology  
Thursday, March 4, 1948

No. 19

## McCune To Entertain Next Friday; Dance to Follow

Hank McCune, well known radio comedian, will broadcast from Culbertson Hall next Friday night at 7:00. The audience must be seated by 6:45, as the show starts at 7:00 and lasts until 7:30, following which there will be an after broadcast show until 8:00. This appearance of McCune and his cast, which includes an all girl choir and a thirteen piece band, was arranged chiefly through the efforts of Bud Mittenhal and Jack Ottestad, and will probably be the last important social event of the second term.

broadcast is tentatively scheduled for the Dabney Hall Lounge.

A dance following the broadcast is tentatively scheduled for the Dabney Hall Lounge. The dance and broadcast are free, but due to the limited capacity of Culbertson admission to the broadcast will be by tickets only. These tickets will be distributed to the student body on a first come first serve basis: more details about this in the next issue. The event presents a rare opportunity for some very fine entertainment.

## Final "Y" Sex Forum Monday

The Final "Y" Sex Forum will be presented next Monday in 199 K when Dr. Huber Kupper, eminent psycho-analyst, will discuss Modern Methods in Psychiatry.

Dr. Kupper is exceptionally well-qualified to speak on the subject, for he has a long background as a practicing psychiatrist including three and one-half years as an Army psychiatrist. He is a member of the major psychiatric societies such as the American Society for Psycho-Somatic Research.

## Drama Group Casts 3 Plays

The Drama Club Try-Outs were an amazing success last week with over 30 students, secretaries, and wives appearing.

Out of the scramble, reports Drama Club Chairman Carl Price, have come the three directorships secured as well as most of the major roles.

Lord Dunsany's "A Night At An Inn" will be directed by Bill Woods, while the chief roles in the thriller will be held down by Len Herzog, Bob Levy, Blackie Stone, Bill Seiden and Ed Matzner.

At the helm of Geist's "Men's Room" will be Len Herzog, with Paul Howard, Chuck Moody, Chuck Murphy and Bruce Worcester filling out the cast.

The third play, to be directed by Bruce Worcester, may include Gretchen Benton, Beverly Eldridge, Garland Bradfield, Jeanne Martinek, Doris West, Emily Hatherly, Burt Housmann, Bud Mittenhal, Stan Harrison, or a number of others.

The props department is being managed by Walt Mudgett, aided by Bob Haufe, Tony Malanowski, Al Eschner, Sharon McFadden, Betsy Kittredge and Ritchey Newman.

Frank Wolf and Dan Markoff are handling the business end.

## Campus Calendar

**THURSDAY, MARCH 4—**  
Upper Class Luncheon Club at the Training Table, 12:00.  
Throop Club Meeting, 12:20 p.m.  
Dancing Class, Culbertson Hall, 7:30 p.m.  
Glee Club Rehearsal in Throop Club, 8:30 p.m.

**FRIDAY, MARCH 5—**  
Student Assembly, 11:00 a.m.  
Flamingo Formal Dance  
End Program Registration

**SATURDAY, MARCH 6—**  
Ricketts Apache Dance

**SUNDAY, MARCH 7—**  
Musical in Dabney Lounge, 7:30 p.m.

**MONDAY, MARCH 8—**  
Student Assembly, Student Paper Contest, 11:00 a.m.

**TUESDAY, MARCH 9—**  
Band Practice, Culbertson Hall, 7:30 p.m.

**WEDNESDAY, MARCH 10—**  
Frosh Luncheon Club at the Training Table, 12:00.

**Y Cabinet Meeting, Y Lounge, 7:15 p.m.**  
Fencing Class, Dabney House, 7:30 p.m.  
Orchestra Practice, Culbertson, 7:30 p.m.

**THURSDAY, MARCH 11—**  
Upper Class Luncheon Club at the Training Table, 12:00.  
Throop Club Meeting, 12:20 p.m.  
Dancing Class, Culbertson Hall, 7:30 p.m.  
Glee Club Rehearsal in Throop Club, 8:30 p.m.

## Instructor Poll Held This Week

By now probably each Caltech student has had a chance to record his pet peeves and praises for most of his instructors, on the Tau Beta Pi instructor rating questionnaire. The questionnaires are the means by which the honor society is conducting its poll designed to furnish constructive criticisms on the various teaching techniques of each instructor.

Since the poll is designed mainly to help instructors improve their teaching techniques, students were asked to keep this aim in mind when answering the questionnaire. The instructors will be rated largely on the question concerning the overall impression given to the student by the instructor. The other questions will be designed mainly to comment on specific teaching techniques.

### Results to Be Given to DuBridge

Results of the poll will be given to Dr. DuBridge after the forms are machine-tabulated and averaged by members of the honor society. Departmental heads will receive scores for men in their division, and then each instructor will receive his own scores. Instructor's averages will be compared with departmental averages and the average for the entire Caltech staff.

Those students who await the published results for their own instructors will probably be disappointed, inasmuch as no individual results will be made public without the consent of the instructor.

## Fireside Surprises Stock; Kyropolous Next

This Sunday's Fireside will be at the home of Dr. Peter Kyropolous of the M.E. Department, it was announced today. Signup lists are, as usual, in all houses.

The Fireside last Sunday night at his home came as complete surprise to Dr. Chester Stock, thanks to excellent cooperation between Tom Tracy and Mrs. Stock.

Subjects of discussion were varied, but blondes kept cropping up. Dr. Stock revealed that a

## Three Students Hurt In Arroyo Collision

Four persons, three of them Caltech students, were injured in a head-on collision on the Arroyo Seco Parkway Monday morning.

The Tech undergrads, Julius Bendat, 20, of 1122½ Vista St., West Hollywood; William Drake, 20, same address; and Julian Brody, 17, 841 N. McCadden, Hollywood, were on their way to morning classes at the Institute when a car driven by C. F. Johnson, 53, of Alhambra went out of control, jumped the foot-high center division, and collided with the northbound sedan driven by Bendat, knocking it back some 20 feet.

Bendat's skull was fractured. (Continued on Page 4)

## Field Trip Plans Laid at Gathering

Dr. and Mrs. F. W. Went were hosts to the members of the Biology Club at their home last Friday evening, where plans were formulated for the Spring Field Trip. The details of the trip to the Southern California desert and vicinity of the Chocolate Mountains are now being worked out and will appear in a special edition of the Biology Bulletin.

A substantial part of the evening was spent in seeing beautiful color slides of the Alaska country. Dr. J. A. Whieldon, whose fascinating stories accompanied the pictures, was formerly Medicat Director of the Valdes Community Hospital in Alaska and is now a member of the Biology Department. The pictures and the abounding Went hospitality made the evening an unusually delightful one.

Anyone interested in going on the Field Trip and in studying desert plant and animal life is urged to contact a member of the Biology Club.

## Industrial Designer Addresses Group At CES Assembly

Monday's CES assembly featured Mr. Henry Dreyfuss of the Industrial Design Section, who is president of the Society of Industrial Designers.

He stated that the team of the engineer and the industrial designer can be the most effective means of achieving the optimum in the design of the machines upon which our civilization depends.

### Growth of Industrial Designing

Mr. Dreyfuss outlined the development of industrial design in this country from the conditions of almost 20 years ago, when design of manufactured goods was merely copied from some European country, to the independent and typically American type of functional design which this country produces.

He pointed out that the industrial designer now adds the properties of convenience, functional approval and attractiveness (the latter being unfortunately over-emphasized) to the three criteria of utility, quality of materials, and price by which manufacturers originally guided themselves.

### Industrial Design Practice

An industrial designer, said Mr. Dreyfuss, usually works on a retainer basis in much the same way as a lawyer. He borrows the services of some of the engineers employed by his client to provide the engineering know-how for the job. In addition, he may have engineers regularly employed on his own staff.

The borrowed engineers usually return to their original jobs with many of their former ideas on design changed for the better as far as the average consumer is concerned. The ultimate in this development will be persons trained both in engineering and industrial design.

## HERZOG REMAINS

At their meeting last Thursday night, the Board of Directors of the ASCIT voted unanimously to refuse to accept the resignation of Len Herzog, Tech editor, as reported in last week's issue.

The editorial staff of the Tech thus remains unchanged, with Herzog as editor, Dick King, Managing Editor, and Jim Hummel, News Editor.

## Stan Barnes to Wield Gavel for ASCIT

### Close Secretary, Treasurer Races And Presidency Decided Off Campus

Long, Boicourt, Carter, Ottestad, Kariotis, Price, Gardner, Wood on New Board; Ricketts Takes Publications

With a total poll of 585 votes cast, slightly under last year's tally, the Caltech student body last Thursday and Tuesday elected its new officers for the coming year. All new officers comprising the board of directors will, with the exception of Treasurer, take office tonight. Treasurer and the new publications officers will work in conjunction with the present experienced officers for the remainder of the year, and in that way learn more of the requirements of their respective jobs.

A short ceremony will be held tonight in the board of directors' office at which time the new officers will be sworn in.

### Interest Lags

With many of the major offices uncontested this year's election lacked some of the enthusiasm of last year. Campaign signs and posters were far below last year's both in number and extravagance. Fewer votes were

### Your Officers for Next Year

President—Stan Barnes.

Vice-President—Dennis Long.

Secretary—Stan Boicourt.

Treasurer—Hugh Carter.

1st Rep.—Carl Price.

2nd Rep.—Ollie Gardner.

Publicity Manager—Jack Ottestad.

Athletic Manager—John Kariotis.

Rally Commissioner—Fred Wood.

Editor of California Tech—Jim Hummel.

Editor of Big T—Bob Haufe.

Business Mgr. California Tech—Bill Bradley.

Business Mgr. Big T—Blouke Carus.

## Papers Readied for ASME Convention

Monday, March 8th, is the date set for the final selection of student speakers for the annual ASME Student Convention. This meeting will be held in 206ME at 11:00.

Judging of the papers will be based on a 5-minute summary presented by each speaker, and the two best speakers will then represent Caltech at the convention.

This year's convention will be held on the Caltech campus on April 23rd and 24th, and will feature papers presented by ASME Student Members from each of the engineering schools in California.

## Dabney Takes All

### At Barn Dance

The end of the annual Blacker-Dabney Barn Dance last Saturday night saw Dabney still in possession of the Interhouse Trophy, as its crew finished four men ahead of the challenging Blacker squad. Perhaps trying to follow in the footsteps of some of the participants, the Trophy itself did not last the evening and will have to be replaced.

### Dabney Victorious

Dabney was also victorious in the flamer contest, with the team of Fullerton and Royce defeated Curray and Chambers.

The beauty contest was won by Miss Scripps (Sally Provine), Muehlberger's date, who was awarded a box of Kleenex by Judges Marshall and Fullerton. Chuck Auerbach MC'd the contests and half-time entertainment, which was provided by Dave Warren's all-Dabney jazz combo.

### Dancing Attempted

For the rest of the evening, the couples crowded together in the Richard L. Guy Post and danced to recorded polkas, marches, etc. Dancing was like running blindfolded through a crowded subway, but it was chummy, and no one seemed to mind. The serving of refreshments began, sustained, and rounded off a well-planned and well-executed program.

### INTERVIEW SCHEDULE: SEE PG. 2, COL. 1

Refreshments in keeping with the theme will be served in quantity, and music will be furnished by Monsieur Hal Neely.

### Origin of "Apaches"

Derivation of the name, APACHE, supposedly comes from the time of early American settlement when raiding gangs of thieves beset the city of Paris. Because of their tactics, these gangs were often given names of American Indians, of which the Apache tribe was particularly the most cruel and merciless.

Strongest of the gangs and the ones to survive the longest were the "Apaches," who took refuge in the slum districts. Here they frequented the cheap cafes and dives such as will be seen in Ricketts Lounge next Saturday night.



EAGER PALEONTOLOGIST—Dr. Chester Shock, Geology Division Chairman, is shown eagerly investigating an especially interesting bone presented to him at the "surprise" fireside at his home Sunday. LEFT TO RIGHT, Carl Price, Dave Durham, Len Herzog, Dave Warren, Don Asquith, Jack Marshall, Dr. Stock, Larry Nobles, Joe Curran, Byron Karzas. STANDING: Bob Poindexter, Dave McKenzie, John Moss, John Greene.

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**Interview Schedule**

**MARCH 4—** SOCONY-VACUUM OIL COMPANY, INC., New York, N.Y.—FOREIGN PRODUCING DEPARTMENT has openings for PETROLEUM, CHEMICAL and MECHANICAL ENGINEERS who, after a brief but complete basic training, will become the future Petroleum Engineers of that department. The training will be given in various oil fields and areas of the United States and will approximate twelve months in duration in this country. Training program in U.S.A. will cover such subjects as Production, Maintenance, Drilling, Operations, Laboratory assignments and Field Engineering. Only unmarried students considered and men definitely interested in foreign work.

One or two men for summer employment, but must be definitely interested in foreign location as career.

**MARCH 4—** All men being interviewed by GENERAL MOTORS CORP. of Detroit, Michigan, must attend a meeting which is to be held in 206 Dabney Hall, Mr. Hall of the Humanities at 7:30 p.m. Mr. Meade will present information on the company, their recruiting program and answer students' questions. It is very important for it will save the student's as well as the company's time during interviews.

**MARCH 5—** Proctor & Gamble test for JUNIOR ENGINEERS. See placement secretary for details.

**MARCH 5 AND 8—** GENERAL MOTORS CORPORATION, Detroit, Michigan—Mr. Kenneth A. Meade, MECHANICAL AND ELECTRICAL ENGINEERS qualified for and interested in research work, product development, product design, drafting, production engineering, plant engineering, etc.

METALLURGICAL ENGINEERS qualified for and interested in research production, laboratory control, foundry work and manufacturing jobs.

CHEMICAL ENGINEERS with strong interest in mechanical products and processes who will qualify for laboratory control work.

INDUSTRIAL ENGINEERS qualified for production standards and processing work and training for supervision.

PHYSICS graduate students for research work.

Applicants must be interested in locating in Michigan, Ohio, Indiana, Illinois, New York, New Jersey or Connecticut.

**MARCH 8—** INTERNATIONAL BUSINESS MACHINES—General talk, 4:30 p.m. in 206 Dabney Hall, to be attended by all those who have interview time and anyone else interested in knowing about this company.

**MARCH 9—** INTERNATIONAL BUSINESS MACHINES—Mr. W. K. Whipple, BS candidates in MECHANICAL, ELECTRICAL AND CIVIL ENGINEERING interested in service and maintenance of calculating machines and electrical accounting machines. Upper third of class unless outstanding personality and extensive participation in extra curricular activities. Offices throughout the Western states.

**MARCH 9—** GENERAL ELECTRIC COMPANY—4:30 p.m. to 5:00 p.m. there will be a meeting in 206 Dabney Hall of the Humanities, at which time Mr. Scarfe will outline the Test Course, living conditions and other programs offered by General Electric Company. All men being interviewed must attend and anyone else who is interested is invited to attend. It is very important for it will save the student's as well as the company's time.

**MARCH 9 AND 10—** WESTERN UNION TELEGRAPH CO., San Francisco, Calif.—Mr. Sikora, Senior and Graduate Students who have majored or are especially interested and qualified for COMMUNICATIONS AND ELECTRONICS.

**MARCH 10, 11 AND 12—** GENERAL ELECTRIC COMPANY, Schenectady, New York. Mr. H. C. Hill and Mr. McArte, Senior and Graduate in ELECTRICAL and MECHANICAL ENGINEERING, PHYSICS, CHEMISTRY, and CHEMICAL ENGINEERING who are interested in working in the East.

FOR SCHEDULE BEYOND THIS DATE, SEE PLACEMENT SECRETARY, 120 Throop.

**CAMPUS BREWINS****Big Brawl**

Last Saturday was the scene of the Blacker-Dabney Barn Dance in Monterey Park, although it might seem a bit of an exaggeration to term it a dance. Music could be faintly heard over the high-pitched laughter, feminine squeals, and the gurgling sound of beer being poured out. The place was much too small for dancing but there were numerous people out there wriggling about and jostling each other while Fullerton insisted on playing polkas.

**Dabney Wins Crew Race, Flamer and Beauty Contest**

Dabney won the crew race as well as the flamer contest. Auerbach was much chagrined to have to use good bourbon for the latter contest. There was also a beauty contest. The winner was Miss Scripps, cheered on by Bill Muehlberger. She won by the flip of a coin over a young girl from Hollywood High School, the sister of a Dabney cradle-robbler\* who shall pass unnamed herein.

Alexander should be complimented for his foresight in bringing pitchers along. This greatly facilitated beer consumption and the effect was rather interesting.

Boyd Gage, apparently fond of having his feet scratched, was presented with Ann Middlebury, a most talented girl. Mitch Cot-

ton was behaving in an exceedingly noisy fashion. His enthusiasm was somewhat dampened, however, when, on the return trip, that monstrous car of his had a flat. That is not what we would call very subtle. But it is a long trip back to Scripps if one doesn't stop for a bit of recreation, such as changing a flat.

**Throop Makes Hay**

Last Saturday night Throop's Barn (?) Dance got under way within reasonable proximity of the scheduled time, giving definite signs that Soc. Ch'rman Booth has finally caught on. However, he still seems to be confused between "Tecate" and beer.

The so-called Passion Pit which is traditionally supplied for Throop's more eager men, was consolidated this year and occupied what is normally the office. From what I saw when I

peaked in on the Stygian darkness, Flynn is the man to see for intimate details as to how cozy it really was. Flynn has been moaning and groaning since same about the swine (named Benton) who turned on the loft spotlight at a most inopportune moment.

**Gretchen Says "Home"**

Benton got dragged home early again by his patient and understanding wife when it became evident he was about ready to sacrifice all in an attempt to swipe Don Jennings' Jane Russellish date, Annabelle Maus.

Fleming and Ricketts were comparatively quiet this week. Ricketts robbed the cradle again when they had Jane Powell of movie fam over to dinner. Outstanding among the swarm of wolves clustered around was Chuck Forrester, who by the way, is calculated as being old

enough to be her father. For some strange reason he (or the others) wasn't interested in the chaperon (who wasn't a bad chick in her own right).

**Casabans Caper**

Those good clean KIDS from Fleming finally broke down after the ball game Sat. night and with the support of the rest of the house livened up this end of the country until a most disrespective hour. Just about the whole basketball team with the exception of the Goon and old Bill Cox (both profess purity scores of over 85) can be seen increasing the U.S. consumption of tobacco and malt at a tremendous rate.

\*With all due respects to the editor of this paper, I ask you, the public, if you don't feel he's entirely too old to be dating 15-year-olds. You know what the Calif. law says about such things.

**Loyola Game Ends Frosh Hoop Season**

Playing their final contest of the 1948 season, the Frosh basketballers lost a well-played 67-42 decision to the Loyola Frosh last Saturday night.

Despite the 25-point margin that the Dons won by, the Beavers kept in the running until only eight minutes were left in the game, when the Loyola boys got hot and turned a 10-point lead into a 65-39 count within six minutes.

**Score:**

Loyola (67)	Caltech (42)
Hoy (12)	Freise (4)
Avtkovich	Sereno (2)
Stahl (15)	Butler (24)
Minervini (3)	G. Brewer (8)
Wade (29)	G. Greuter (2)

Half-time score: Loyola, 30; Caltech, 23.  
Scoring subs: Loyola — Mirrasou, 4;  
Klinkhammer, 4; Caltech — Stern, 1; Martin, 1.

**CROWN THEATRE**

Mat. Daily Cont.

from 12 Noon

O : — SY. 6-5100129 N. RAYMOND, PASADENA — :

O : — STARTS FRIDAY, MARCH 5th

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further than shall be found necessary to  
regulate our own trade; in order that com-  
merce may be placed upon a honorable footing—  
our merchants, know their rights—and the  
government the ground on which those rights  
are to be supported.

That every citizen would take  
pride in the name of America, and act  
as if he felt the importance of our  
position as a nation  
desiring that we  
be not compelled to do so  
if we can help it  
We call ourselves Americans  
and our country  
is not to be abased, if we are compelled to do so  
We call ourselves Americans  
and our country  
is not to be abased, if we are compelled to do so  
anywhere whatever.

**WASHINGTON'S FAREWELL ADDRESS**

Here, in our First President's own handwriting, is part of the far-sighted speech he delivered to the American people 152 years ago. The spirit of the doctrine still applies. It calls for a firm unity among our people . . . emphasizing, above all, the need for "every citizen to take pride in the name of an American." The original is now aboard the "Freedom Train"—a traveling exhibit of the most significant documents in our history.

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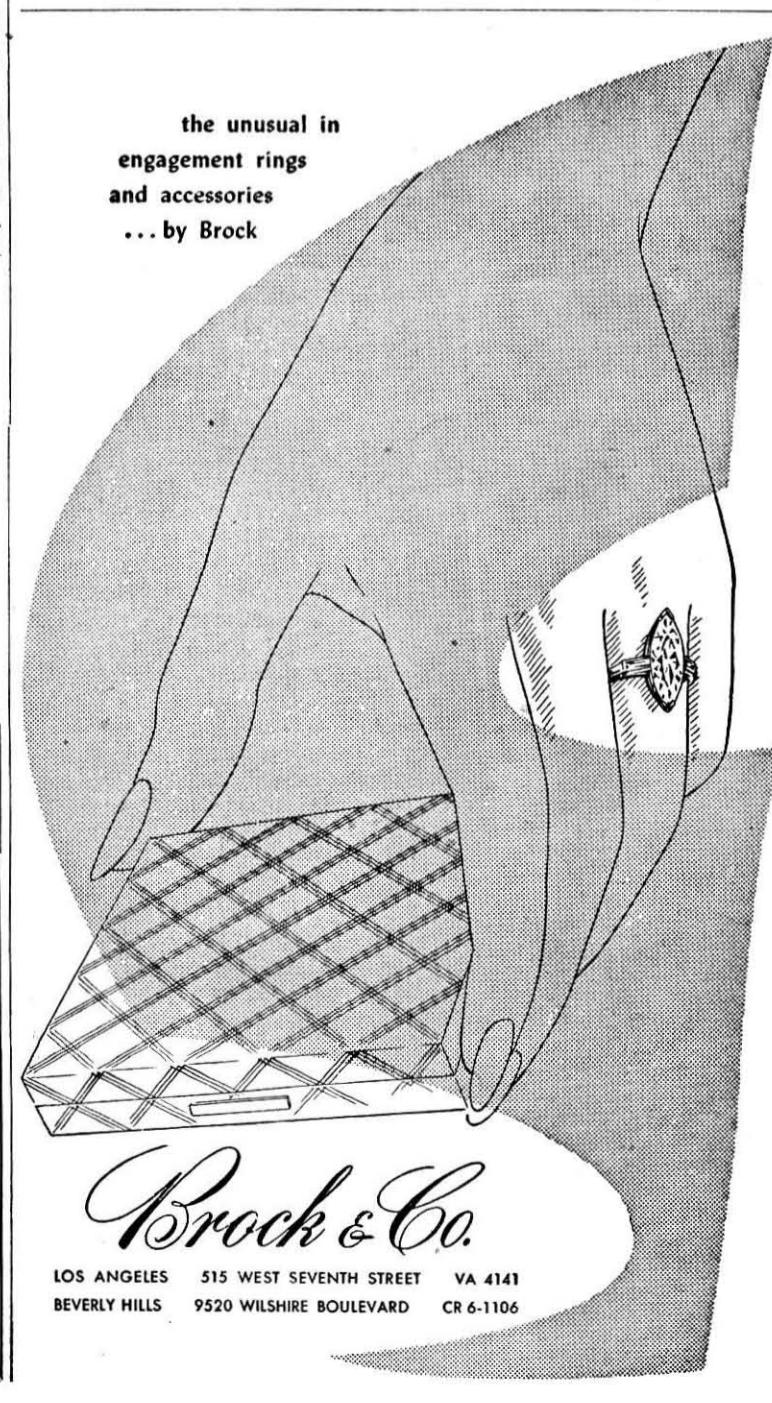
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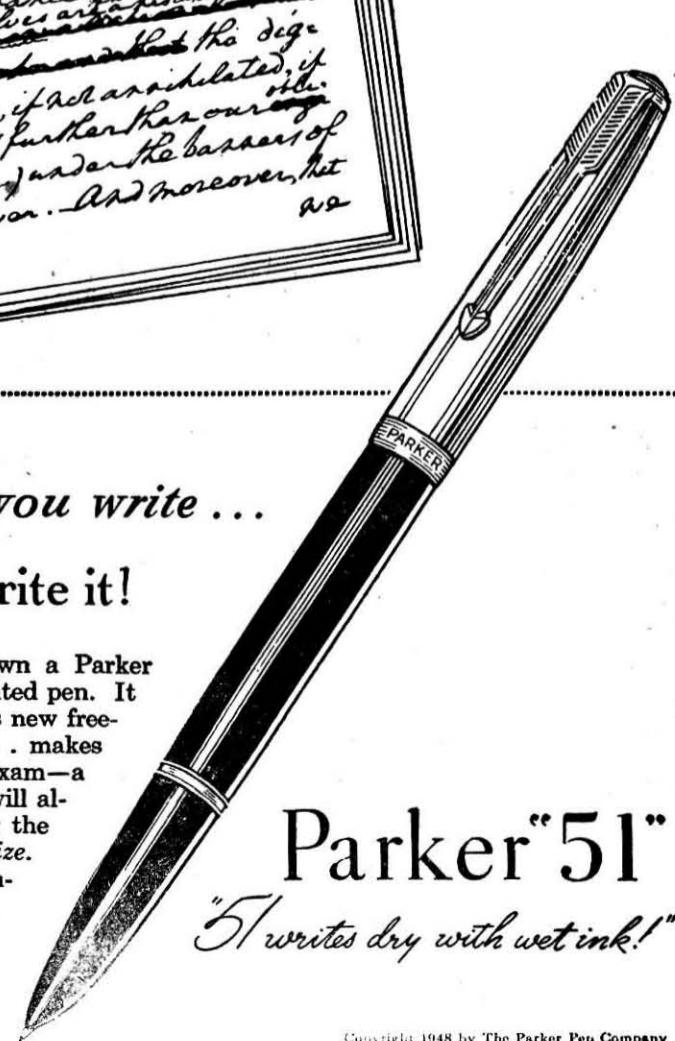
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# THROOP BOWLERS SET NEW LEAGUE MARKS

Throop Club bowlers were red-hot this week as they burned up the alleys with a flock of league records. Both teams from Throop shattered team series and team game records, but Throop's No. 2 team wound up on top with scores of 747-703-873 for a 2323 series. Meanwhile, Throop No. 1 was firing 704-777-785 for a 2266 series. Highs for the previous ten weeks' bowling were 775 for team game and 2169 for team series.

## Team Standings

Despite this display of power, Throop took only six of eight points, while Ricketts took five, Fleming and Dabney won four each, and Blacker had to be satisfied with one. Standings at the 11th week: Throop, 65 wins; Ricketts, 43; Fleming, 41; Dabney, 36; and Blacker, 35.

## High Individual Games

Most of the individual honors also went to Throop bowlers as they rolled 12 of the 18 games over 180 recorded Monday. Ray (Varipapa) Heggland became Tech's first 600 bowler, easily topping that mark with games of 182-222-220 for a huge 624 total. The inspired scores contributing to the 873 game of Throop No. 2 were as follows: Bob Benton,

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## Frosh Sports Roundup

—By Earl Hefner

And so the basketballs go into storage 'til next November, and another hoop season is so much history. With the final whistle last Saturday night in the Loyola game, the Frosh quint concluded what we consider a pretty fair season with a record of six wins against eight defeats.

### Contend for Top Honors

Although they ended up tied with Redlands in the Freshman loop for third, they were hot contenders for first position most of the season. Oxy's Tiger-cubs led the league with seven wins against one defeat, and Pomona's Frosh notched the runner-up spot with six victories, and two losses.

### Oxy Game Best of Season

The high point of the season was undoubtedly the second Occidental contest which was one

(Continued on Page 4)

## Varsity Loses Final Two Tilts

By dropping games to Pomona and Loyola at the Pasadena Armory last Friday and Saturday nights, the Beavers finished a rather disastrous season with a record of but 2 wins against 12 defeats, the last 9 of which have been in succession.

The Engineers dropped the Pomona game 48 to 39, and then fell before an aggressive Loyola five, 59 to 40.

### Last Tie

The loss to Pomona dropped the Beavers into a last place tie with Redlands in the final conference standings, each team winning 2 and losing 6 league contests. Oxy gained a first place split with Whittier at a mark of 6 and 2 by virtue of their victory over Redlands Friday night. The Sagehounds from Pomona broke even in their eight league games to take third place.

Tex Bass, who was the leading scorer in the game with 16 points, kept the Beavers within striking range in the second half with his tipins, but eight straight points by Pomona's Liddle stifled any hopes of a Beaver victory as the visitors pulled away to a 48 to 39 win. Locke Olson again paced the Pomona scorers with 11 points.

(Continued on Page 3)

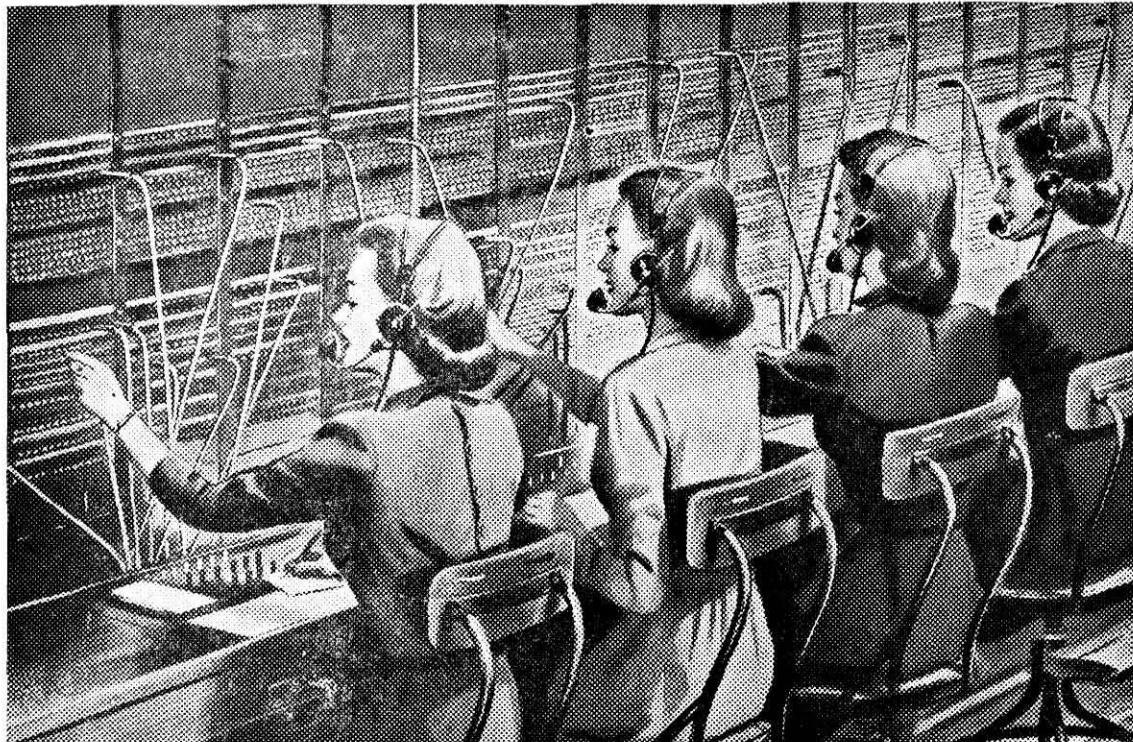
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## Beaver Sports

## Varsity Loses Final Two Tilts

### Talkin' It Over with The Goon

This Week: With the Perry

The Goon was busy slaving over a hot paper for his favorite Economics instructor Monday night so I consented to put down my copy of The Daily Illini long enough to write his column this week. But the big fellow isn't getting off as easily as he thinks because I'm going to devote this space to a review of the past basketball season.

Casting aside the wornout comment that we were building character this year and will go after a championship next year, we still have to account for a record of 2 wins and 12 losses from a team which, though not looking forward to a bid to the NCAA tourney, was expected to at least break even in its fourteen games. I think the answer is three-fold with one part obvious and the other two somewhat abstract.

### Injuries

The obvious answer is, of course, the injuries suffered by the regular forwards, Ted Bowen and Don Furth. They were injured when the Beavers were leading the league with two wins and no losses, and from that point on the boys failed to win another game. I'm not saying the team would have continued to win every game with Furth and Bowen in the lineup, but on the other hand, I think the chances are good that they could have finished with at least a 4-4 league record.

(Continued on Page 4)

## Juniors Clinch Class Contest

A strong Junior Class team easily captured the interclass track title in the meet in Tournament Park on Saturday morning. Amassing a total of 84½ points, they defeated the Sophomores with 29½, the Seniors with 26, and the Frosh with 25.

### New Records Established

Elroy Chinn started the new season in a fitting manner as he leaped to a new school broad jump record of 22'6½". This breaks the Tech record of 22'5½" which the Rabbit himself established last year, as well as the 10-year-old meet record of 21'7¾".

Three other interclass marks were erased by the Beaver athletes. The Junior's half-mile relay team composed of Chuck Shaller, Dave Madden, Stan Barnes and Bob Funk broke the 22-year-old record of 1:34.3 by touring the distance in 1:33.8.

Stan Barnes celebrated his political success by knocking .1 second from the 440 record in running it in 52.3. Dwight Schroeder, sophomore, hung up a new meet record for the 220 lows of 26.0, breaking the 20-year-old mark of 26.3.

Dwight Schroeder won honors as being individual high scorer for the meet, winning a total of 15 points, paced by firsts in both hurdle events. He was closely followed by Bob Funk with 14½.

### Conference Relays Saturday

Intercollegiate competition begins Saturday afternoon at Occidental when the conference schools tangle in their annual relay party. Featured events will be 4-man relays in the half mile, mile, distance medley, and shuttle hurdles, and also sprinting and field events.

100—Funk (F), MacLean (Se), Schroeder (So), Madden (J), 10.4.

220—Funk (J), Madden (J), E. Brown (J), tie between Cornelius (J) and Carson (So), 22.9.

440—Barnes (J), Sylvies (J), E. Brown (J), Cornelius (J), 52.3.

880—Brown (J), Edwards (F), Karotis (J), Campson (F), 2:07.0.

Mile—J. Marshall (J), Cobb (F), Peterson (J), Sampson (F), 5:00.8.

2-Mile—Cobb (F), Peterson (J), Smyth (F), Gillett (F), 11:01.0.

High hurdles—Schroeder (So), J. Marshall (J), Herzig (J), Gillett (F), 16.6.

Low hurdles—Schroeder (So), J. Marshall (J), Herzig (J), Sylvies (J), 10'6".

High jump—Heggland (J), Walt (So), Hamilton (Sr), tie between J. Marshall and Funk (J), 5'11¾".

Broad jump—Chinn (Sr), Schroeder (So), Hamilton (Sr), Heggland (J), 22'6½".

Pole vault—Walt (So), G. Brown (J), Herzig (J), Madden (J), 10'6".

Shot-put—Hibbard (J), MacLean (Sr), Miller (F), Walt (So), 36'1".

Discus—Miller (F), W. Marshall (Sr), G. Brown (J), MacLean (Sr), 120'6".

Javelin—MacLean (Sr), Funk (J), Hibbard (J), Karotis (J), 150'10"."

Relay—Juniors (Shaller, Madden, Barnes, Funk), Sophomores (Carson, Sellen, Corbato), Seniors (Chinn, Spellman, Hamilton, MacLean), Frosh (Sampson, Smyth, Cobb, Edwards), 1:33.8.

## FROSH SWIMMING

All Freshmen interested in swimming are urged to go out for the Frosh swimming team immediately. The team works out every afternoon at 4:30 in the P.C.C. pool under the direction of Coach Bob Merrick.

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## TALKIN' IT OVER

(Continued from Page 3)

## Schedule

Secondly, the schedule tossed a psychological obstacle in our face. At the time of the second Oxy game we had a record of 2-0 while Oxy had 4-1. The Tiger's last minute victory in that game put them 1½ games ahead of us all because they had played 6 games while we had only played 3. If both teams had emerged from the game with 2-1 records we would have been on even terms with them and not felt that we were out of the running for the championship.

## Time

And finally, the other four conference teams had a decided advantage over us with gyms right on their campuses. Not only did having to travel all the way to the Armory every day for practice cut at least a half hour from our already brief time allotted for practice, but it made it impossible for our players to take advantage of a spare hour now and then to practice shooting, probably one of our weakest departments.

## Record

However, in spite of the discouraging record, the team did have its bright spots. Its defensive record in the conference was better than co-champion Occidental's, and the average score of our league games was 48.1 to 44.1 against us, not a bad margin at all for a team which finished in a tie for last place.

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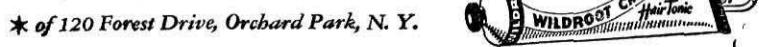


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\* 120 Forest Drive, Orchard Park, N.Y.



## FROSH SPORTS ROUNDUP

(Continued from Page 3)

the boys wanted more than any other game. Displaying the finest teamwork we have seen in any Frosh game this year, the Slide Rule Kids took a hard-fought game from the Oxy boys by a score of 33-27. It was Oxy's only defeat of the year.

## Scoring Statistics

As for the scoring record, the team was outpointed by their opponents, 597 to 722. Top scorer for the season was center Thorne Butler with 233 tallies, 142 of which were scored in league competition, for an average of slightly less than 17 per game. Dick Brewer follows with 107, Bud Freise 98, Al Sereno 81, and Ray Greutert and Dick Libbey 28 apiece.

## Reserves Rate Credit

And a final word about the fellows who don't take scoring honors, but do make up an essential part of the team, the reserves. Those boys were out just as often as the regulars and certainly worked as hard each

## FROSH SECOND

(Continued from Page 3)

bucket tied the game at 45-all. Free throws by Freise and Herberger kept the count even, then the Pomona forward dropped one in from the key only to have Butler knot the score again. Dick Libbey put the Frosh into a short-lived lead until Addicott tied the game at 50-all. Seconds later the Hen center put in the winning basket and the Pomona Freshmen successfully defended their goal for the remainder of the contest.

## Scoring:

Pomona (52)	Caltech (50)
Herberger (15)	Freise (7)
Shand (8)	Sereno (4)
Addicott (18)	Butler (25)
Hammon (7)	Brewer (6)
Johnson (4)	Greutert (6)
Half-time score: Pomona, 26; Caltech, 20.	
Scoring subs: Caltech—Libbey, 2.	

night at practice as anyone. Without them the team could

## VARSITY LOSES

(Continued from Page 3)

No Match for Lions

The following night the Engineers found themselves no match for the fast and accurate shooting Loyola five.

Pomona (48)	Caltech (39)
Welsh (8)	Bass (16)
Redfield (2)	Bowen (4)
Olson (11)	Saltman (3)
Essig (9)	Stokely (4)
Liddle (8)	Cox (9)
Grass (6)	Tyson (2)
Schafer (2)	Montgomery (1)
McColl (2)	

## ACCIDENT

(Continued from Page 1)

and he received chest injuries and lacerations; Drake also received a skull fracture and other injuries, while Brody was least seriously hurt. Johnson's jaw was fractured, his throat gashed, and his right leg broken.

A witness told officers that he thought Johnson's car went out

of control when he tried to avoid hitting the vehicle in front of him when it slowed down.

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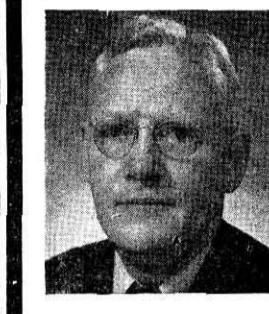
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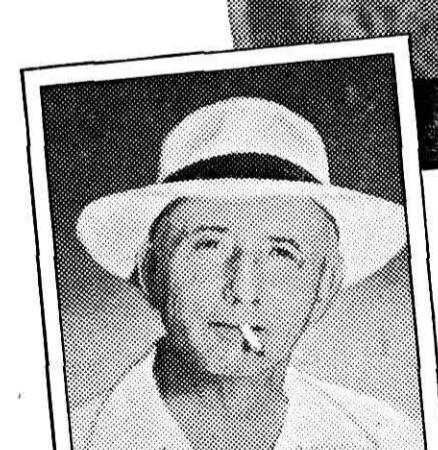
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