

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 Mittenthal 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 119 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 Mittenthal, Stan Harrison, or a number of others.

The props department is being managed by Walt Mudgett, aided by Bob Haufe, Tony Malanoski, Al Eschner, Sharon McFadden, Betsy Kittridge 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.
Fleming-Blacker Formal Dance
End Pre-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.

Stan Barnes to Wield Gavel for ASCIT

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 Medical 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.

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 over-all 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

writer is angling to do a story on him, to be titled "The Wizard of Ooze," and related many interesting experiences ranging from his undergraduate days in Berkeley to the recent New York Blizzard.

Co-hosting with Dr. and Mrs. Stock was the chairman's secretary, Mrs. Madeline Harding. Light refreshments—beer and the trimmings—rounded out one of the most enjoyable of the Y-sponsored activities.

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.

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.

Frosh Lunchers Hear 'Palestine' Talk

Dr. Henry McCreey gave a most enlightening talk on "What Is Happening in Palestine" at Frosh Lunch Club yesterday. His talk was made especially interesting because of the personal experience he has had in the Near East. Presiding at the meeting was John Fee, newly elected Lunch Club president.

The president's cabinet contains five house representatives: Ed Pyatt, Blacker; Joe Cain, Dabney; Fred Eisen, Fleming; Jim Enslow, Ricketts, and Bob Cobb, off-campus; as well as Vice-President Ulrich Merton, Treasurer Earl Hefner, Social Chairman John Lewis, and Publicity Chairman Bob Smith.

Next week's meeting, the last of the second term, will feature Doc Haynes of the Athletic Department as speaker.

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 Curay 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'ed 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

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.

cast even though there has been a slight increase in the undergraduate enrollment.

On the other hand, many of the offices were hotly contested with the final decision being carried by a very few votes. Probably for the first time in many years the influence of off-campus voters was felt strongly when in the cases of both president and secretary the victory was carried by their votes. Both Stan Barnes and Stan Boicourt made conscientious efforts to secure the off-campus vote. Gone are the days of House dominated politics. Future election campaigns will undoubtedly lay strong emphasis on the off-campus students.

Ricketts to Become French Slum Cafe

The costumed APACHE DANCE this Saturday night in the Ricketts underground cafe promises to surpass even the celebrated Sorb dance in the line of novel themes. Typical costume requires the men to be unshaven, dirty, tough and dressed in old, loud trousers, striped T-shirt and beret.

New Look Out
Feminine costume calls for such fineries as vivid makeup, bow garters, heavy jewelry, appropriate sweaters, and above all, skirts above the knee. Absolutely no exceptions will be made to this rule.

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 Curay, Byron Karzas. **STANDING:** Bob Poindexter, Dave McKenzie, John Moss, John Greene.

The California Tech

Published every Thursday during the college year except during examinations and holiday periods. California Institute of Technology 1201 East California Street, Pasadena, Cal. Subscription rates: \$1.50 per year.

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.

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.

Throop Makes Hay

Last Saturday night Throop's Barn (?) Dance got under way within reasonable proximity of the schedule time, giving definite signs that Soc. Ch'rman Booth has finally caught on.

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.

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-

peeked 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's Jane Russellish date, Annabelle Maus.

Fleming and Ricketts were comparatively quiet this week. Rickett's 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 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 country until a most respectable 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) vs Caltech (42). Scoring subs: Loyola - Mirrasou, 4; Klinkhammer, 4. Caltech - Stern, 1; Martin, 1.

Interview Schedule

MARCH 4 - SOCONY-VACUUM OIL COMPANY, INC. FOREIGN PRODUCING DEPARTMENT has openings for PETROLEUM, CHEMICAL and MECHANICAL ENGINEERS... MARCH 5 - Proctor & Gamble test for JUNIOR ENGINEERS... MARCH 5 AND 8 - GENERAL MOTORS CORPORATION... MARCH 9 - INTERNATIONAL BUSINESS MACHINES... MARCH 9 - GENERAL ELECTRIC COMPANY... MARCH 9 AND 10 - WESTERN UNION TELEGRAPH CO... MARCH 10, 11 AND 12 - GENERAL ELECTRIC COMPANY...

2-PIECE ALL-WOOL SPORT SUITS \$42.50. Fowler & Schrader. 881 E. Colorado. Open Fri. & Sat. Nites.

CROWN THEATRE. SY. 6-5100 129 N. RAYMOND, PASADENA. STARTS FRIDAY, MARCH 5th. WINNER OF 4 ACADEMY AWARD NOMINATIONS FOR BEST ACTOR... BEST STORY... BEST MUSIC... RONALD COLMAN in 'A DOUBLE LIFE'.

COTTON-RIBBED Ankle Length Sox With Bright-Striped Tops... 55c. All-Wool Sweater Coats by Thermo and Medicott... Herringbone weaves and small check weaves... a bargain at only \$5.00 each. HOTALING'S 54 East Colorado Street 921 East Colorado Street.

JOHN'S BICYCLE SHOP. SINCE 1909. BICYCLES, TENNIS, BADMINTON. 42 North Fair Oaks Ave. Pasadena. Telephone SYcamore 2-4767.

Cause for American Pride... 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. Be proud of what you write... and the way you write it! Parker '51. '51 writes dry with wet ink!'

Voget & Cathey MEN'S CLOTHING FURNISHINGS. Fridays till 9:30 p.m. 459 East Colorado Street Sy. 2-3871 - Pasadena 1

OAK KNOLL CLEANERS and TAILORS. LET A VET SERVE YOU. THREE-DAY CLEANING SERVICE. FOUR-DAY LAUNDRY. 902 East California (4 Doors East of Lake) SYcamore 3-6704

the unusual in engagement rings and accessories... by Brock. Brock & Co. LOS ANGELES 515 WEST SEVENTH STREET VA 4141 BEVERLY HILLS 9520 WILSHIRE BOULEVARD CR 6-1106

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, (Continued on Page 4)

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)

Beaver Sports

Varsity Loses Final Two Tilts

By dropping games to Pomona and Loyola at the Pasadena Army 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 Sagehends 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 from Page 3)

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 21'7½".

Frosh Second In Last Game Of Conference

Caltech's Frosh cagers dropped their final conference game of the season to Pomona last Friday night, 52-50, but in losing they displayed the brand of ball which was responsible for 6 season wins, half of which were league victories.

Lose in Final Minute

Sagehen center Addicott put in the winning basket with one minute of play remaining with a short shot from the key, then was evicted from the game seconds later when his fifth personal foul was called. He made 18 points for the evening, but was surpassed in scoring honors by Frosh pivot man Thorne Butler, who garnered 25 digits.

Close Contest

The contest was nip and tuck the entire 40 minutes of play with the score knotted five times and the lead alternating 12 instances.

Close Finish

With their lead alternating at two and four points the Tech-men kept ahead until Addicott's (Continued on Page 4)

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.

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, soph hurdle ace, 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 (6), 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—D. Brown (J), Edwards (F), Karlotis (J), Campson (F), 2:07.0.
1 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), Herzog (J), Gillett (F), 16.6.
Low hurdles—Schroeder (So), J. Marshall (J), Herzog (J), Sylvies (J), 26.0.
High jump—Heggland (J), Walt (So), Hamilton (Sr), tie between J. Marshall and Funk (J), 5'11¼".
Broad jump—Chinn (Sr), Schroeder (So), Hamilton (Sr), Heggland (J), 22'6½".
Pole vault—Walt (So), G. Brown (J), Herzog (J), Madden (J), 10'6".
Shot-put—Hibbard (J), MacLean (Sr), Miller (F), Walt (So), 36'1¼".
Discus—Miller (F), W. Marshall (Sr), G. Brown (J), MacLean (Sr), 120'6".
Javelin—MacLean (Sr), Funk (J), Hibbard (J), Karlotis (J), 150'10½".
Relay—Juniors (Shaller, Madden, Barnes, Funk), Sophomores (Carson, Sellen, Corbato, Walt), Seniors (Chinn, Spellman, Hamilton, MacLean), Frosh (Sampson, Smyth, Cobb, Edwards), 1:33.8.

PASADENA BOWLING COURTS
970 East Colorado
Rendezvous of Caltech Bowlers
Open 11 a.m. to 1 a.m. SY 3-1341
Special Student Rate before 6 P.M.
except Saturday, Sunday, and Holidays
20c Per Line

Associated Oil Sta.
Lake & San Pasqual
Not a classy layout, but
Best Products & Service

CARL'S CALTECH BARBERS
5 GOOD BARBERS—APPOINTMENTS IF DESIRED
ON CALIFORNIA NEAR LAKE

Classified Ads
MICHAELS-STERN Tuxedo & Vest. 30
waist, medium length—after 2 P.M. call
AT. 2-4595.



How many operators will we need NEXT YEAR?

This is but one of the many questions telephone men are called upon to answer.

Part of their work has always been to anticipate demands for personnel . . . to determine what additional equipment must be provided, what new construction will be necessary to handle the constantly increasing demands for service.

Careful planning in every phase of telephone work requires the services of many qualified men. For them, this growing business offers the opportunity for active, interesting careers.

There's a future in telephony.

BELL TELEPHONE SYSTEM



SKIS
RENTALS - REPAIRS - TOGS
HOLIDAY HOUSE
Lake and Colorado SYcamore 6-7806
Open Friday Evenings Till 9 P.M.

MAKE LUNCHTIME REFRESHMENT TIME

DRINK Coca-Cola
5¢
BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY
COCA-COLA BOTTLING CO. OF LOS ANGELES
© 1948, The Coca-Cola Company

Caltech Pharmacy
COURTESY . . . SERVICE
SATISFACTION
Dependable Registered Pharmacists
Prompt Free Motor Delivery
882 East California Street
SYcamore 2-2101
Pasadena, California

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.

YOUR COLLEGE SPORTS SHOP
Headquarters for Tennis Sportswear
WYNN MACE
Tennis Shop
Phone SYcamore 6-5804
904 EAST CALIFORNIA ST.
Pasadena, Calif.

Ice Skate
Special Reduced Rates
for Parties
Pasadena Winter Gardens
171 South Arroyo Pkwy.

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 Army 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.

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

night at practice as anyone. Without them the team could

VARSITY LOSERS

(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) F. Freise (7)
Welsh (8) F. Sereno (4)
Redfield (2) C. Butler (25)
Olson (11) G. Brewer (6)
Essig (9) G. Greutert (6)
Liddle (8) G. Johnson (4)
Grass (6) G. Johnson (4)
Schafer (2) G. Johnson (4)
McColl (2) G. Johnson (4)

Caltech (39)
Bass (16)
Bowen (4)
Saltman (3)
Stokely (4)
Cox (9)
Tyson (2)
Montgomery (1)

THROOP BOWLERS

(Continued from Page 3)

207; Rolf Erickson, 173; Walt Eatherly, 199; Woody Bratnaber, 209; and 85 pins handicap.

Other big games of the day were bowled by Bill Culbertson of Dabney with 202 and Carl Fox of Ricketts with 200.

not function, even though some of the subs played only a couple minutes all season.

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.

CAMPUS BARBER SHOP
In Coffee Shop Building
(OLD DORM)

HAROLD O. GRONDAHL

Representing

NEW YORK LIFE INSURANCE COMPANY

234 E. Colorado St., Pasadena

Phone SY 2-7141



Caltech Students Welcome At Neighborhood Church



A Church of Liberal Religion
225 West California Street
SUNDAY WORSHIP 11 A.M.
REV. CURTIS BEACH
"The Freedom of Jesus"

CALIFORNIA PHARMACY
PRESCRIPTIONS PHARMACISTS
575 S. Lake Street Pasadena, Cal.
SYcamore 2-6222

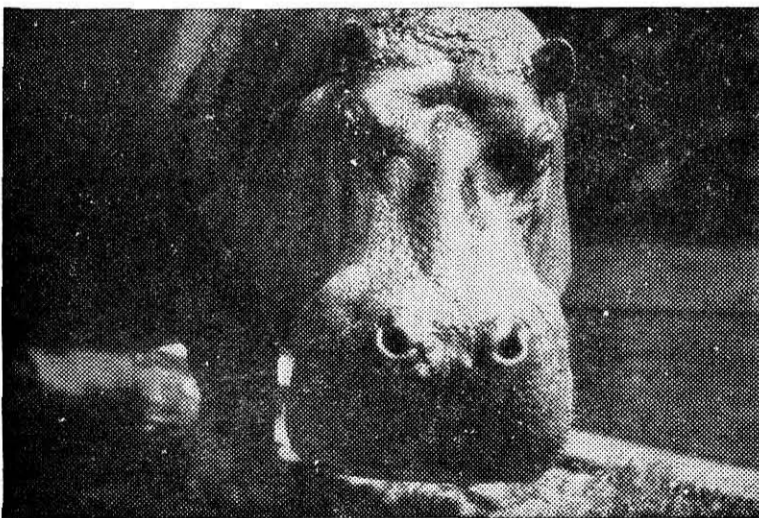


"She'll snap right out of it as soon as she gets her Dentyne Chewing Gum."

"I wouldn't have to put on this sleepwalking act if that dopey husband of mine would remember to bring home delicious, clean tasting Dentyne Chewing Gum with the rich, long lasting flavor. A lot he cares that Dentyne helps keep my teeth white."

Dentyne Gum — Made Only By Adams

Carleton H. Davis* Switched to Wildroot Cream-Oil Because He Flunked the Finger Nail Test



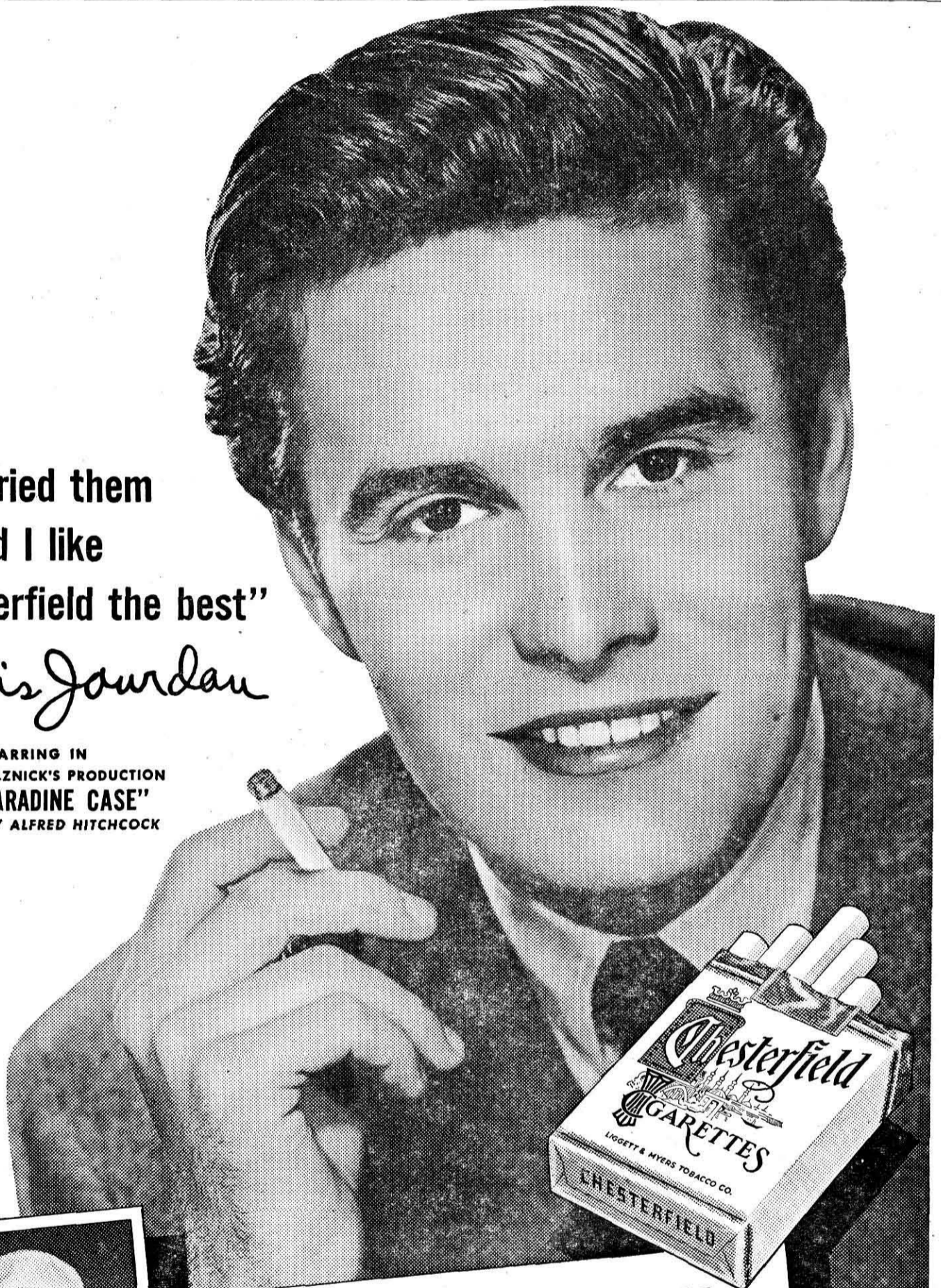
ACID INDIGESTION, Brother Hippo? Feeling mentally muddled? Wallowing in grief? What you need is a tonic. And your best bet is Wildroot Cream-Oil hair tonic. It's "again and again the choice of men who put good grooming first!" Just a touch of Wildroot Cream-Oil grooms your hair neatly and naturally without that plastered-down look. Relieves annoying dryness and removes embarrassing loose dandruff! And Wildroot Cream-Oil is the non-alcoholic hair tonic containing soothing Lanolin. Get a tube or bottle of Wildroot Cream-Oil at any drug or toilet goods counter today. And ask your barber for a professional application. See for yourself how it helps you pass the Fingernail Test!



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

"I've tried them all and I like Chesterfield the best"
Louis Jourdan

STARRING IN
DAVID O. SELZNICK'S PRODUCTION
"THE PARADINE CASE"
DIRECTED BY ALFRED HITCHCOCK



WHY I smoke Chesterfield

(FROM A SERIES OF STATEMENTS BY PROMINENT TOBACCO FARMERS)

"Liggett & Myers buy as fine tobacco as there is grown. They buy only mild, sweet cigarette tobacco."

"I smoke only Chesterfield cigarettes and I have smoked them right from the start."

P. V. Hardy

TOBACCO FARMER, MULLINS, S. C.



CHESTERFIELD

ALWAYS Milder BETTER TASTING COOLER SMOKING