

California Institute of Technology

Thursday, December 2, 1948

Volume L.

No. 9

Taubates Induct New Men In Formal Initiation Ceremony

Banquet to Be Held at Athenaeum for Top Students; Kyropoulos to Be Initiated, Also Speaks at Banquet

Midnight activities with handi-tools and emery cloth drew to a close last night as twenty-one Taubate pledges finished their pledge duties. The formal initiation held tomorrow will mark the entrance of the fifteen seniors and six juniors into Tau Beta Pi, the honorary engineering fraternity.

Each year about forty-five students are elected to Tau Beta Pi. These students must be in the upper eighth of the junior class or

the upper fifth of the senior class. The juniors who are invited into Tau Beta Pi during the first term are considered as honor members, since they must meet very high academic standards as well as be active in outside activities.

Among those being initiated will be Dr. Peter Kyropoulos, Assistant Professor in the Mechanical Engineering department. Dr. Kyropoulos got his undergraduate education at the University of Gottingen, and then came to Caltech in 1937. He received his Master of Science in ME in June 1938, and his degree of Doctor of Philosophy in June 1948.

Banquet

After the formal initiation this Friday, the pledges will be guests at a banquet to be held in the Athenaeum. All members of Tau Beta Pi on campus and in the neighborhood of Los Angeles have been invited to attend this banquet.

The banquet will be held tomorrow evening in the Hall of the Associates in the Athenaeum. The initiates will present a traditional one act drama for the amusement of all the old members present.

The guest speaker at the banquet will be Dr. Peter Kyropoulos, who will speak on "Farewell to the Horseless Carriage." Dr. Kyropoulos is also one of those being initiated into Tau Beta Pi.

New Members

The juniors who are being (Continued on Page 6)

Mug-shots Offered At Dollar-a-Dozen

All Techmen interested in obtaining photos, suitable for enclosing with job applications, are urged to take advantage of an exceptional opportunity being offered this Friday.

Specialist

Richard S. Heard of West Arcadia, a specialist in mass production photography, will be in Lower Fleming all day Friday, December 3.

\$2 for \$1.00

The pictures are 1 1/2" by 2 1/4" in size, and come either gumbacked or plain. The price is one dollar for twelve photos, and larger size prints are available at appropriately low prices. One week service is offered.

No Appointments Necessary

Since Mr. Heard will be on campus all day, stop by at your convenience.

Campus Calendar

THURSDAY, DECEMBER 2—

12:00 "Y" Upperclass Luncheon Club

Training Table

12:15 Throop Club Meeting

3, 4:30, 8 A.M. G.C.E.S.

"Light Sorcery" by A. Rogers

G. E. of Cleveland, Culbertson

7:15 Newman Club, 208 Dabney

7:25 "Y" Cabinet Meeting, Dabney

Hall

8:00 Varsity Basketball, Redlands

Tournament at Redlands

8:30 Ricketts-Throop Barn Dance

SATURDAY, DECEMBER 4—

11:00 Assembly: Orchestra and Glee Club

7:30 Demonstration Lecture: "The Importance of Soil Mechanics in Structural Design," [Prof. Converse, 201 Bridge]

8:00 Varsity Basketball, Redlands

Tournament at Redlands

7:30 Blacker Christmas Formal

8:30 Fleming's Christmas Revel

SUNDAY, DECEMBER 5—

7:30 Caltech Musicals, Dabney Lounge

MONDAY, DECEMBER 6—

6:30 Athletic Banquet

TUESDAY, DECEMBER 7—

12:00 "Y" Frost Luncheon, Training

4:15 Varsity Basketball, Caltech vs. P.C.C.

7:30 Band Practice, Culbertson

WEDNESDAY, DECEMBER 8—

4:30 Alumni Placement Series, Dabney

Lounge

7:30 Fencing Class, Dabney Dining Hall

7:30 Orchestra Practice, Culbertson

Hall

9:00 Glee Club Practice, Culbertson

Hall

Subject For Peace Prize Contest Told

The 1949 McKinney Prize Contest in English, offering first prize of \$75 and second prize of \$50, will have for its subject "The American Way of Life—A. D. 2000". The contest is open to all members of the Junior and Senior classes, except winners in last year's contest. In addition to the cash prizes, successful contestants will receive a valuable book as a trophy.

Requirements

Required preparatory reading is Frances Bacon: *The New Atlantis*; Edward Bellamy: *Looking Backward: 2000-1887*; Bernard Shaw *Back to Methuselah*; and Aldous Huxley: *Brave New World*. Essays are to be about 1200 words on the assigned subject, drawing ideas from the required reading. All manuscripts must be typed double-spaced on one side of the paper only. Each candidate will submit two copies of his essay, an original and one carbon.

Final Contest

All entries are to be turned in to Professor MacMinn, 212 Dabney Hall, by Monday, April 18, 1949. Essays will be judged by the English department. The four men submitting the best papers will be chosen for the final contest, which consists of oral presentation of the essay, or its essential content, before a group of community judges. The final contest is to be held at an assembly early in May. The winner will be determined by the quality of the essay and the effectiveness of his oral presentation.

Founder

The Mary A. Earl McKinney Prize Contest in English was established at Caltech in 1946 by Samuel P. McKinney, M.D., of Los Angeles, in memory of his mother. Dr. McKinney is a graduate of Rensselaer Polytechnic Institute.

The purpose of the contest is to cultivate proficiency in English through annual competitions in writing and speaking.

Newman Club Plans Meeting Thursday

The Caltech Newman Club will hold a discussion meeting on Thursday, December 2, in 208 Dabney. Time is 7:15 p.m. Discussion on the subject "Reason and the Existence of God" will be led by Father James O'Reilly.

All Invited

Following the discussion there is to be a business meeting and election of officers. All persons interested are invited to attend.

Darbs Enjoy Picnic, Fireside Activities

The Thanksgiving holiday gave the men of Dabney another event to satiate their always burning desire for social contacts. Wednesday night saw a number of the harder Darbs up in Oak Grove Park with their dates, enjoying hamburgers, potato salad, and the customary amber liquid. After the facilities of the park had been fully exploited, a retreat was initiated to the Dabney lounge, where dancing and other allied activities took place before a roaring fire.

To get tickets see Gene Mooring, Rolf Erickson, Dale West, or Bob Cobb at Throop Club between 12 and 1 p.m.

Term's Last Placement Talk Features Sales

By Dick King

It's the last Alumni-Beaver placement lecture of the term next Wednesday, but it certainly is not the least by any means. The topic is Sales and Sales promotion, a subject of considerable importance in industry, and a definite possibility as a field for the graduate Techman. Mr. R. E. Johnson of the General Electric Company, is the expert heading the discussion, and as is true of all the speakers, has a raft of experience to bring along.

Speaker's Background

Mr. Johnson is at present Executive Assistant Manager of G. E.'s Los Angeles office, a long employment with the company. He has been with G.E. for 20 years, all of it in Los Angeles.

Up until the recent war, he spent his time promoting G.E. equipment in oil activities. During the war he gave his attention to the promotion of G.E. equipment in the Aircraft Industry, and continued in this line until August, 1948, at which time he was given his present position. A college grad, he holds the sheepskin of Stanford University.

In the Future

This lecture is the last for the first term, but the series will continue next term. Subjects to be taken up will include Design and Engineering, Production, Manufacturing, Teaching, and the ever important information on Summer Jobs. The time and place seem to be favorable to everyone, and in all probability will remain the same, 4:30 p.m. Wednesdays, in Dabney Humanities Lounge.

Credit for the work done in organizing the series lies with the Alumni, and the Beavers. Dick Schuster and Dan King have worked hard on the student tend, while Rube Mettler and Doug Sellers have headed the tireless Alumni Committee. If you enjoy these lectures, and think they should be continued next year, a word to any of these individuals would be appreciated.

Tech Speakers Journey To COP

Caltech debaters will match wits and words against UCLA, USC, Stanford, and about a dozen other schools in the winter tournament to be held at the College of the Pacific in Stockton on December 3 and 4. Debating and Extempore contests will be given.

Approximately 100 teams, consisting of 200 students, will participate in the events. Caltech entrants are: Leo Breiman, Bernard Rudin, Ulrich Merten, Oliver Gardner, Ralph Stone, James Kenny, Allen Beek, Ray Brow, Bob Kurland, Dick Fairall, Clem Savant, and George Brown.

Bernard Rudin, who took second in the speaking events in the Pepperdine College Tournament, will try to better his record at COP.

Throop Invites All New Year's Eve

The annual Throop Club New Year's Eve party will be held as usual this year. Men remaining in the Student Houses over the vacation are invited, as well as off-campus students.

An admission price of \$3.50 per couple covers the cost of confetti, streamers, hats, noise-makers, food, and punch. There is a limited number of tickets, so it's first come, first (hic) served.

To get tickets see Gene Mooring, Rolf Erickson, Dale West, or Bob Cobb at Throop Club between 12 and 1 p.m.

Glee Club, Orchestra To Offer Concert Selections To Tech

Tech Debaters Speak On KPPC

Assembly To Be Held To Acquaint Student Body With Revived Groups

Musical Organizations to Present Mozart Symphony, "Coronation March," "Ye Watchers and Ye Holy Ones"

By V. A. J. Van Lint

The Caltech, Orchestra and Glee Club are presenting the first assembly concert of the year tomorrow morning. This will be the first in a new series in which the organizations are actually working to perfect the repertoire for concerts rather than just practicing new pieces for rather useless amusement. The emphasis during this term has been on getting the few pieces ready for a concert.

AIEE Chapter Takes Hoover Dam Trip

Members and guests of the Caltech A.I.E.E. chapter journeyed out Las Vegas way over the Thanksgiving vacation where they inspected engineering features of Hoover Dam. The trip was the result of special arrangement with the Bureau of Power and Light.

Tour Dam

The group of about forty men left Pasadena Friday morning, stopped to visit the Victorville switching station, and arrived in Las Vegas Friday night. Saturday was spent touring the dam. The Techmen were first given the clue on the history of Hoover Dam and its broad purposes. Later they were taken to the control room where they learned the operation of the dam, and finally went on an extended tour through the dam.

Senior Rings

Gentlemen of the Senior Class!

Attention!

Once again we call you to notice the importance of ordering your Senior Class rings at an early date. We know the price is enough to shake your uppers loose, and we don't blame you if you suggest some cozy repository for said gold and black onyx symbol of your membership in the august Class of 1949. \$26.75 is a lot of rocks. BUT!

If you are going to be foolish and get a ring, we urge upon you the wisdom of ordering it NOW, so that there will be plenty of time for its manufacture. There is good reason to believe that those who order now will receive their rings in the early part of the third term, so it behoves you to see Bill Simons of Dabney House, Class Vice-President, pay your small deposit, and get your ring ordered.

Blacker To Decorate For Christmas Dance

Tomorrow night Blackerites unite in a unique get-together—a co-ed Decoration Party in preparation for Saturday night's festivities. The feeling is that the presence of the feminine sex will prove inspirational.

Big Event

Saturday night is Blacker's big event of the term. The Christmas Formal will be a fitting climax to a term that has seen many outstanding social events come and go.

Steak Dinner

Couples arriving between 7:30 and 8:00 p.m. for the steak dinner will gaze upon the Christmas trees—the mainstay of the decoration. Proper eating atmosphere will be provided by dinner music and flower-decked tables dimly lit by candles. From 9:00 to 1:00 all will dance to the remembered sweet strains of Max Bickley and his orchestra, not to be confused with the not-so-sweet straining of Nappy Lamare.

Bargain--

Richard S. Heard will be in Lower Fleming all day Friday, December 3, to take job application photos. The pictures are 1 1/2" by 2 1/4", and come either plain or gumbacked. The price is one dollar for one dozen prints.

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, Calif.

Subscription rates \$1.50 per year

Entered as second-class matter Nov. 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.

Offices: Lower Fleming

Telephone: SYcamore 6-7121 Ext. 180

Distributor of Collegiate Digest

Jim Hummel, Editor

EDITORIAL STAFF

Managing Editor.....	Earl Hefner
Sports Editor.....	Thorne Butler
Feature Editor.....	Bob Kurland
News Editor.....	Eric Johansson
News Staff.....	Fred Drury, Bruce Stowe, Woody Bratnaber, Ollie Gardner, Dick King, Bill Wright, Tony Malanowski, Stu Goldman, Carl Price, Wayne Herzog
Rewrite Staff.....	Bob Haufe, Chief Lee Ross, Alex Drapes, Charles Steese, Bruce Stowe, Bob Kurland
Special Writers.....	Fred Wood, Paul Saltman, Dick Schuster, Stan Boicourt, Dick King
Sports Staff.....	Dale Krause, Erle Brown, Leon Michaelson, Woody Bratnaber, Bill Harris, Stan Boicourt, Dan Lemay
Photographers.....	Hugh Stoddart, Chuck Wallance
BUSINESS STAFF	
Manager	Bill Bradley
Circulation Manager.....	Win Soule
Business Staff.....	Charlie Steese

• CAMPUS BREWINS

TO SCRIPPS

He thought he saw an Elephant,
That practised on a fife:
He looked again and found it was
A letter from his wife.
"At length, I realize," he said,
"The bitterness of Life."

—Lewis Carroll

Mudgett, Madden, and Co. got in high gear Friday evening. Saturday night presented a colorful scene. The generator had gasped its last, but the company could be seen gathered around a typewriter and a case of stout, giving their all over the forthcoming Drama Club play. Chaperones included Woods, Price, and his inevitable cousin.

The Bohemian behavior of the Fleming contingent at the Ski Chalet this last weekend could easily suffice for an entire BREWINs, but then the Rowdies who try so hard to appear dashingly immoral would nurse hurt feelings. Oh well, Ricketts dirt is the same color.

The Ricketts troops are still having their little troubles. Bill Bradley, having lost a Scripps lass, is sobbing on a different shoulder each week. (A fifty-bogach reward or a box of Triscuits awaits all readers who can describe what's wrong with the above sentence in five thousand words or less.)

The Dabney Dance last Saturday night beheld a new candidate for the Washington Monument Club. H. Lewis does not seem to get the word on Claremont. Maybe its like measles—one infection and then live happy. The biggest event of the evening featured Al Sereno crooning "Prisoner of Love." Dan King's date blushed a number of becoming shades; for it seems that Al sang it to her last year. Dahm, King—it shouldn't make a great deal of difference.

It grieves me to see how the moral tone of our Ricketts jun-

tors has slackened. Remember when Victor (A. J.) Van Lint was a pure, sheltered, innocent lad? Roommate Fox took our Hero of the Week on a double date one night and pointed out Sunset Ridge. Victor went through all sorts of traumatic experiences in the back seat. Now the poor, fallen soul has a car of his own, and is to all appearances leading a Life of Sin. His little black book is becoming worn; he disappears every weekend night; he has formed a nodding acquaintance with the morning star; Weep, O Brethren, he has fallen!

Those of you who were unfortunate enough to remain on campus during the latter part of last week may have noticed that the Shmeck appeared a few days late. A tale hangs thereby:

Thursday. Win Soule, circulation manager of this peerless publication, meets Santa Barbara schoolgirl.

Friday. Win Soule goes to housewarming with S.B. s.g.

(Marvelously broadening institutions, housewarmings.)

Saturday. Win Soule has date alone with S.B. s.g.

Sunday. Win Soule is very pleased with himself.

The tragedy of this tale lies in the fact that our po' editor, Jim Hummel, had to go down to the print shop and distribute the papers himself.

You know that line about lucky at cards, unlucky at love? Our boy Chuck Walker, tau sig of the week, wouldn't agree. That's all, just ask Chuck.

Hero of the Week is George Bergstrom. I hope he's conscious now; so he can enjoy the tribute. It's a cinch he wasn't last Monday evening while moaning on Ottested's sack. Buck up there, George. No woman is worth it! Illigitimus non carborundum!

An Editorial

The Almighty Quiz...

With finals leering just around the next weekend, it seems like an apt time to discuss the question of quizzes. It was not the thought of finals that brought forth this editorial, but an editorial printed in the M.I.T. paper, The Tech. This school is so similar to ours in many respects that much of the material used in their paper can also be used in ours with advantage.

Here is what the editor of The Tech has to say about quizzes:

"Certainly the educational system at the Institute is not perfect. The emphasis upon quizzes and grades is detrimental to obtaining a thorough knowledge of the subject matter. At the present time this accent develops a group of mechanics, men who are aware of the formulas and tools of the trade but who lack the essential ideas that go into the making of their science of engineering. The exalted Doctor's degree has also fallen to the state where it is merely an addition to the regular four years resulting in more formulas and books but little further understanding of the subject. Perhaps the degree of Master of Scientific Mechanics should be established."

"As noted in the editorial on the new Princeton System there are schools that are experimenting with new approaches to the problem of education. If they have gone too far it is only in the attempt to correct a situation that is becoming increasingly troublesome."

"One method of weeding out often employed in European Institutions is the holding of comprehensive examinations. The system has rarely been tried in the states but has certain advantages. To begin with it is possible to concentrate on the essential points in a course by learning to discern the structure upon which the study stands."

"The emphasis is put upon individual initiative with the examinations falling at widely separated periods. It offers greater opportunities for self-expression to the student while still guiding him in his studies. On the other hand it is often possible to cram for these examinations as for others with the sole purpose of retaining the knowledge until the examination is over. The system might be tried in the future, if only to attempt something already proved worthy in Europe."

The above is interesting, but we do not agree with it completely. Over-frequent examinations do lead to hasty "cramming" with the hope that enough information can be temporarily stored to get a passing grade. But widely separated tests would give this same result.

The important fact is that individual classes differ, and should be treated as separate cases. At present, your writer is taking two courses that represent the extremes. One course has a test every week, the other has had none yet. In the first case, the course is so organized that the studies extend only from week to week. Very little information has to be carried over from one week to the next. Also, the subject being learned is not one that will be of great importance in the future, so that it is not necessary to keep all of the facts in mind for the entire term. Important points will impress themselves on the mind, and thus will be remembered long after trivial material fades.

The other course is an extremely important one. One in which a great deal of thought must be put forth. This course is one in which the amount of work done will determine how much work may be done further in the field. The subject is interesting. The actual homework is very light. The fact that the only quiz given during the year will be the final adds to the course, since the time is spent absorbing the basic material and fitting it into whole picture.

Yet if this latter method were tried on courses such as are found in the humanities division, where the material is not classified in such a manner that it can be readily seen as a whole, it would be almost impossible to study for the final. The amount of work done in the course would be far in excess of its value. Short, frequent quizzes are an advantage here.



You'll always find

exceptional gifts at ...

Brock & Co.

LOS ANGELES • 515 WEST SEVENTH STREET • VA 4141

BEVERLY HILLS • 9520 WILSHIRE BOULEVARD • CR 6-1106



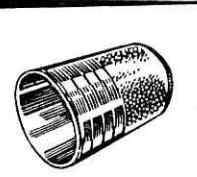
* Miniature Pill Box... \$81
(Engine Turned)



* Sapphire Cuff Links... \$198



Perfume Heart, Sterling... \$15



* Gold Thimble..... \$18

•THE FRONT BURNER

A premiere—Pasadena has had it. The Pasadena Playhouse and Zoe Atkins, the authoress, have labored, and their labors have been fruitful; strange fruit indeed, but something must occupy the theatre between Thanksgiving and Christmas. This scheduled vacuum will be occupied from Nov. 24 to Dec. 5 by "Castle on the Sands," the Playhouse's current production.

Family "Drahmah"

Purportedly a "drahmah" about modern American family life, the "play," euphemistically so termed, manages to expand into three dreary acts what could have very easily been boring in one.

This might be explained in some degree by an introduction to the play given by Miss Atkins in the program: "Some time ago, . . . I wrote a short story published in Cosmopolitan Magazine (Burner's note: the first ominous clue) under the title "Rings and Chains." Several theater-wise (Burner's note: Hal) asked me why I didn't make a play of it." (Burner's note: why didn't you?)

Business Fails

Miss Atkins depiction of an American family unwittingly adds grist to "Uncle Joe's" propaganda mill as just one more example of these decadent American Capitalists.

Here is a blow-by-blow account of the mess.

It seems that "papah's" business has failed, and his second wife, played by Jacqueline de Wit, and two daughters, played very well by Blanche Gladstone and Rose Mary Emma have been forced to abandon the gracious way of living that goes with Park Ave. apartments and many servants.

The family is now struggling along in a four or five room New York Flat, subsisting on French Restaurant fare, delicatessen

wares, and caviar.

Head of Family

"Papah," a somewhat graying businessman of the old and aristocratic school, finds himself forced to desperate measures in order to preserve his position as head of the household. Since his wife and daughters are straining at the leash of pride he is trying to impose, he tries to buy their obedience.

In order to get the whereabouts with which to do the buying, a slightly improbable character who makes and loses several fortunes per year (shades of Daddy Warbucks) and has just been released from prison offers Papah a chance to go to Chicago and make a fortune on wheat.

Goes West

Papa compromises with his principles, takes \$20,000 of someone else's money, and heads West with the speculator.

Whether he buys the loyalty and obedience of this charming family group will be left up to you who have the curiosity and stomach to stick it out for three whole acts.

Acting Poor

It might be mentioned that the general quality of the acting was also low. Only a few performances deserve praise. Blanche Gladstone who plays Alice Janeaway, Rose Mary Emma who plays Marion Janeway, Peggy

(Continued on Page 3)

S U I T S

New Fall Patterns

GABARDINE SHARSKIN WORSTED

Style for the Regular, Tall, or Short Man

\$52.50

Tailors LTD.

233 East Colorado St.

Impromptu Parties So Easy with Coke



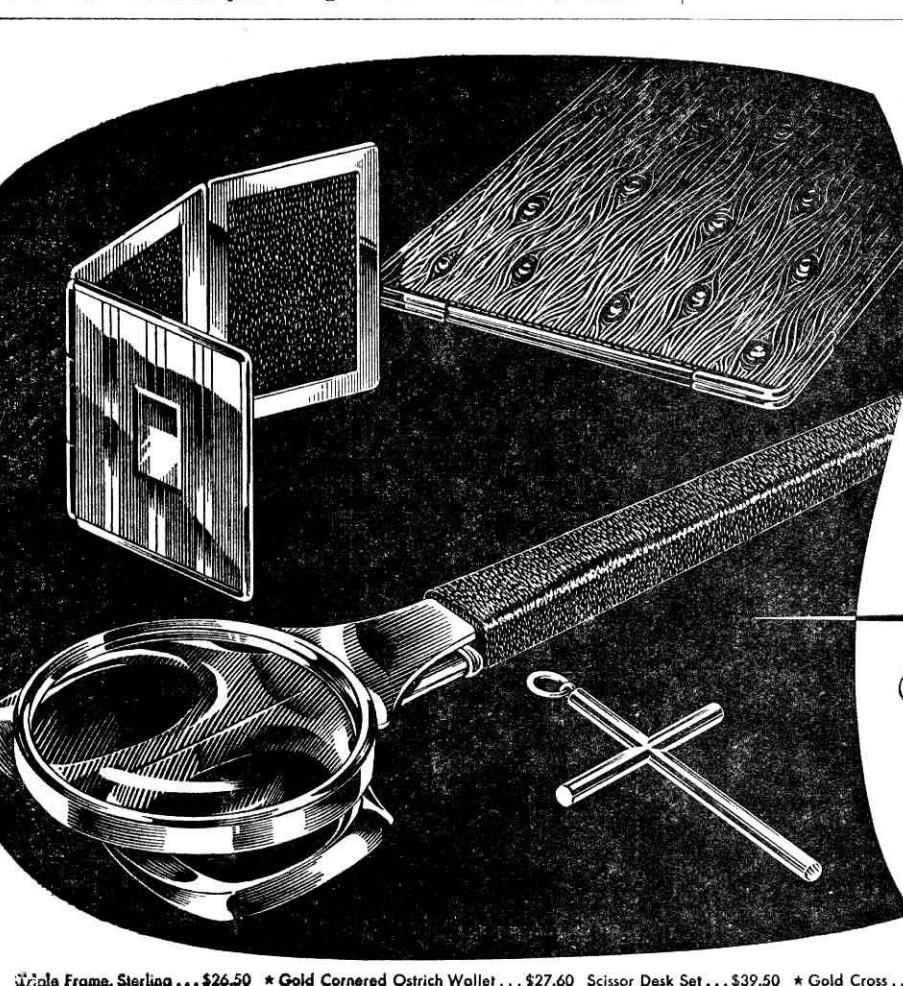
5¢

Coca-Cola
REG. U.S. PAT. OFF.
"Coke"
REG. U.S. PAT. OFF.

Ask for it either way... both trade-marks mean the same thing.

BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY
COCA-COLA BOTTLING CO. OF LOS ANGELES

© 1948, The Coca-Cola Company



Triple Frame, Sterling... \$26.50 * Gold Cornered Ostrich Wallet... \$27.60 Scissor Desk Set... \$39.50 * Gold Cross... \$67.50

Fed. Tax Inc.

(* 14K Gold)

Shavings...
From The Board

by Stan Boicourt

For the last nine weeks at the Thursday evening board meetings ol' J. C. Kariotis has been straining over a baby that's given him no end of problems, and at last it's about due to arrive. That acme of steak feasts, the annual Athletic Banquet, is to be held next Monday at the Brookside Park Golf Club. Kariotis has spared nothing in arranging this year's program, and for a mere six bits no athlete can afford to pass it up. For those who have to dig out two bucks it's still a good buy.

Dr. Chester Stock, who was last year's toastmaster, has agreed to titillate the diners with his genial wit again this year,

and for any geologist not to go is sacrilege.

President DuBridge and Dr. Sorensen, chairman of the athletic council, will also give short addresses, while the main speaker will be Jack Geyer, sports-writer for the L.A. Times.

It's a great show with good food and some of the rarer jokes being tossed about. So come on down next Monday night. You can get tickets in any of the houses or from the athletic office. For tickets see:

Ricketts—Jim Wilcox
Fleming—Bob Funk
Blacker—Byron Karzas
Dabney—John Kariotis
Off Campus—Fred Darmas.

OUR THOUGHT FOR TODAY .

Over cocktails, glances seem so sweet.
How will they look over Shredded Wheat?

Sunday Musicale Program

SUNDAY, DECEMBER 5, 1948

A CHOPIN PROGRAM

Waltz in A Flat Major.....	(op. 42)
Waltz in C Sharp Minor.....	(op. 64)
Mazurka in C Sharp Minor.....	(op. 63, No. 3)
Mazurka in A Minor.....	(op. 67, No. 4)
Mazurka in B Minor.....	(op. 33, No. 4)
Berceuse	(op. 67)
Nocturne in E Minor.....	(op. 72)

INTERMISSION

Sonata No. 3 in B Minor.....	(op. 58)
Concerto No. 1 in E Minor.....	(op. 11)

THE FRONT BURNER

(Continued from Page 2)

Badey, and Ken Harp who plays Teddy Pearson.

George Janeway (papah) is given an adequate characterization by Onslow Stevens. Also noticeable were the numerous principals and support alike.

Probably the happiest individual concerned with the entire production is a character in the play, one Fred Pearson. This fortunate individual commits suicide in the first act, (he probably had a premonition of what was to come). misuses and fluffs of lines by

THE EVENING CONCERT

Presented by the Southern California and Southern Counties Gas Companies Radio Station KFAC

8-10 p.m.

Program for the Coming Week

THURSDAY, DECEMBER 2, 1948

FRA DIAVOLO—OVERTURE, by Auber. London Philharmonic Orchestra conducted by Constant Lambert (8).

SYMPHONY NO. 1 IN G MINOR (WINTER DAYDREAMS), by Tschaikovsky. Indianapolis Symphony Orchestra conducted by Fabien Sevitzky (41).

E. POWER BIGGS, Organist.

ORGAN MUSIC OF BACH (26).

FUGUE IN G MINOR—A MIGHTY FORTRESS—FUGUE IN C MAJOR—SHEEP MAY SAFELY GRAZE—PASSACAGLIA AND FUGUE IN C MINOR.

SERENADE NO. 12 IN C MINOR (K.388), by Mozart. Sinfonietta conducted by Arthur Fiedler (23).

LYRIC SUITE, by Grieg. London Philharmonic Orchestra conducted by Sir Landon Ronald (14).

FRIDAY, DECEMBER 3, 1948

Weekly Feature Concert—New Recordings

IDOMENEUS—OVERTURE, by Mozart. National Symphony Orchestra conducted by Boyd Neel (4).

SYMPHONY NO. 3 IN C MINOR, by Saint-Saens. Philharmonic-Symphony Orchestra of New York conducted by Charles Munch (32).

CLAUDIO ARRAU, PIANIST.

IBERIA (BOOKS 1 AND 2), by Albeniz (40).

FANTASIA ON A THEME OF THOMAS TALLIS, by Vaughan Williams. Minneapolis Symphony Orchestra conducted by Dimitri Mitropoulos (15).

BRANDENBURG CONCERTO NO. 6 IN B FLAT MAJOR, by Bach. Boston Symphony Orchestra Concertino conducted by Serge Koussevitzky (20).

SATURDAY, DECEMBER 4, 1948

DON PASQUALE, by Donizetti. Famous Soloists, Chorus and Orchestra of La Scala, Milan, conducted by Carlo Sabajno.

MONDAY, DECEMBER 6, 1948

THE BRONZE HORSE—OVERTURE, by Auber. London Philharmonic Orchestra conducted by Constant Lambert (8).

FANTASTIC SYMPHONY, by Berlioz. Concertgebouw Orchestra of Amsterdam conducted by Eduard van Beinum (46).

CUTNAR SOLOMAN, PIANIST.

CONCERTO NO. 3 IN C MINOR FOR PIANO AND ORCHESTRA, by Beethoven. B.B.C. Symphony Orchestra conducted by Sir Adrian Boult (34).

AURORA'S WEDDING—BALLET SUITE, by Tschaikovsky. London Philharmonic Orchestra conducted by Efrem Kurtz (25).

TUESDAY, DECEMBER 7, 1948

THE FLYING DUTCHMAN—OVERTURE, by Wagner. La Scala Orchestra conducted by Paul van Kempen (10).

YEHUDI MENUHIN, VIOLINIST.

CONCERTO IN D MAJOR (ADELAIDE), by Mozart. Paris Symphony Orchestra conducted by Pierre Monteaux (24).

POEME, by Chausson. Paris Symphony Orchestra conducted by George Enesco (8).

LE COQ D'OR SUITE, by Rimsky-Korsakov. London Symphony Orchestra conducted by Eugene Goossens (25).

WEDNESDAY, DECEMBER 8, 1948

GIOVANNA D'ARCO—OVERTURE, by Verdi. La Scala Orchestra conducted by Carlo Sabajno (8).

SYMPHONY NO. 3 IN E FLAT MAJOR (EROICA), by Beethoven. London Philharmonic Orchestra conducted by Victor de Sabata (50).

CLAUDIA MUZIO, SOPRANO (28).

L'ANNUNCIO AND DEATH OF CECILIA FROM CECILIA, by Riefse.

VISI D'ARTE FROM LA TOSCA, by Puccini.

DONDE LIETA USCÌ FROM LA BOHÈME, by Puccini.

TACEA LA NOTTE PLACIDA FROM IL TROVATORE, by Verdi.

POVERI FIORI FROM ADRIANA LECOUVREUR, by Cilea.

DUETS (ACTS 1 AND 3) FROM OTELLO, by Verdi with Francesco Merli, Tenor.

CLOUDS—THE ENGLUFED CATHEDRAL—DANCES SACRED AND PROFANE, by Debussy. Philadelphia Orchestra conducted by Leopold Stokowski (26).

Voget & Cathey

MEN'S CLOTHING
FURNISHINGS

Fridays till 9:30 p.m.

459 East Colorado Street

Sy. 2-3871 - Pasadena 1

Caltech

Pharmacy

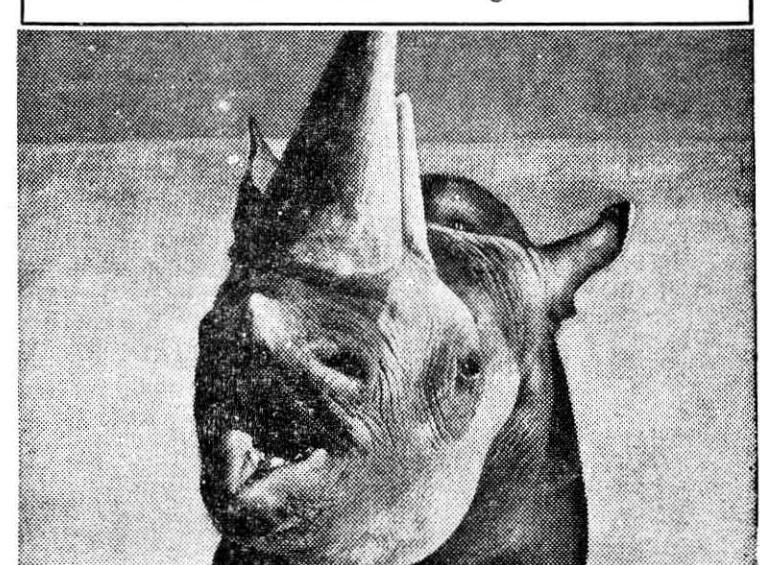
COURTESY . . . SERVICE

SATISFACTION

Dependable Registered Pharmacists
Prompt Free Motor Delivery
882 East California Street
Sycamore 2-2101

Pasadena, California

J. Paul Sheedy* Switched to Wildroot Cream-Oil
Because He Flunked The Finger-Nail Test •



IF YOU were a rhino with problem hair, we'd say: Rhinot scratch your hide and seek Wildroot Cream-Oil hair tonic! Translated it means: Try the Wildroot Finger-Nail Test! If you find signs of dryness or loose ugly dandruff, get Wildroot Cream-Oil. It's non-alcoholic—contains lanolin. Grooms hair neatly and naturally without that greasy look. Relieves annoying dryness. Removes loose dandruff. And helps you pass the Finger-Nail Test. You can get Wildroot Cream-Oil at any drug or toilet goods counter. So get a bottle or tube today. Have your barber give you professional applications. This fellow liked Wildroot Cream-Oil so well he wrote us a leather about it—said it kept his wife from going to Rhino (Nevada that is). *

* of 327 Burroughs Drive, Snyder, N. Y.



Wildroot Company, Inc., Buffalo 11, N. Y.

Shavings...

From The Board

by Stan Boicourt

For the last nine weeks at the Thursday evening board meetings ol' J. C. Kariotis has been straining over a baby that's given him no end of problems, and at last it's about due to arrive. That acme of steak feasts, the annual Athletic Banquet, is to be held next Monday at the Brookside Park Golf Club. Kariotis has spared nothing in arranging this year's program, and for a mere six bits no athlete can afford to pass it up. For those who have to dig out two bucks it's still a good buy.

Dr. Chester Stock, who was last year's toastmaster, has agreed to titillate the diners with his genial wit again this year,

and for any geologist not to go is sacrilege.

President DuBridge and Dr. Sorensen, chairman of the athletic council, will also give short addresses, while the main speaker will be Jack Geyer, sports-writer for the L.A. Times.

It's a great show with good food and some of the rarer jokes being tossed about. So come on down next Monday night. You can get tickets in any of the houses or from the athletic office. For tickets see:

Ricketts—Jim Wilcox
Fleming—Bob Funk
Blacker—Byron Karzas
Dabney—John Kariotis
Off Campus—Fred Darmas.

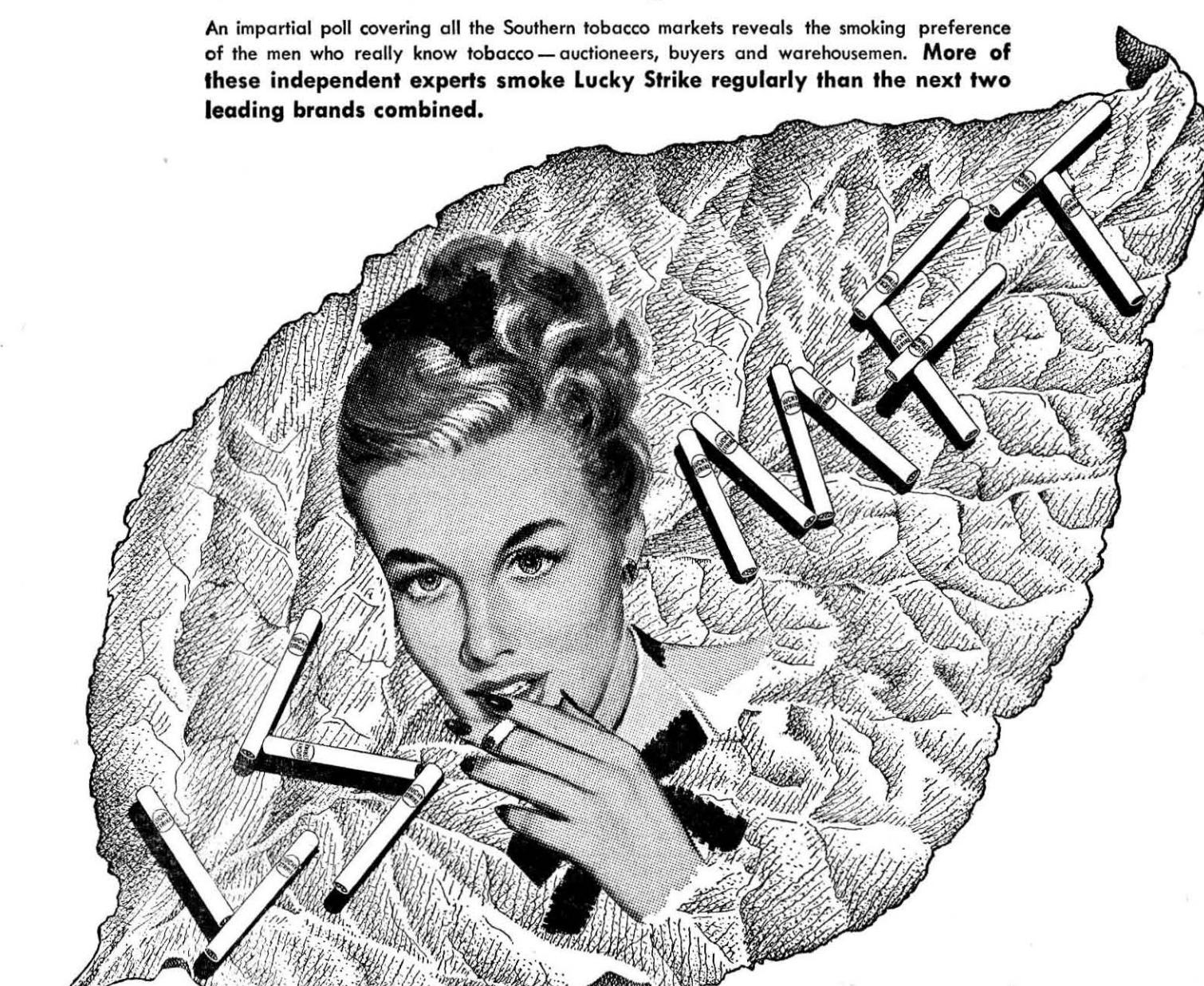
OUR THOUGHT FOR TODAY .

Over cocktails, glances seem so sweet.
How will they look over Shredded Wheat?

First Again with Tobacco Men!

More independent experts smoke Lucky Strike regularly than the next 2 leading brands combined!

An impartial poll covering all the Southern tobacco markets reveals the smoking preference of the men who really know tobacco—auctioneers, buyers and warehousemen. More of these independent experts smoke Lucky Strike regularly than the next two leading brands combined.



So, for your own real deep-down smoking enjoyment,
smoke the smoke tobacco experts smoke

LUCKY STRIKE MEANS FINE TOBACCO

So round, so firm, so fully packed — so free and easy on the draw

COPR., THE AMERICAN TOBACCO COMPANY

Who Dealt This Mess

By Carl Fox

A very interesting hand offering an opportunity for an unusual play, the Grand Coup, came up the other day. In a Grand Coup it is necessary for Declarer to reduce his trump holding to the same number as the opponent having the outstanding trumps and then have the lead come through that opponent's hand.

S A 10 7 3
H J
D A 10 7 3
C Q 8 6 3

S K 9 6 5 4 2 N S Q 8
H 10 7 W E H Q 6 5 4
D K J C 10 4 2 C A J 9

North-South vulnerable
South dealer

Bidding
1H W N E
2H P P 2NT P
4H

North's 'One Spade' is the only possible bid on the hand. One No Trump is not to be considered. The Two No Trump shows added values above a minimum response. Thus the final contract is fairly sound. Even though Three No Trump can be made the more lucrative Heart contract is to be preferred, particularly if playing Duplicate.

West's opening lead of the Spade five must be ducked in dummy. Otherwise Declarer can count one Diamond and two Club losers and, in addition, a Heart loser if the expected 4-2 split materializes. East wins with the Queen and returns a small Heart, the Jack winning. A Diamond lead to the Queen is taken by West's King and a Club returned, dummy playing low and the Ace winning. East returns the Club nine which Declarer takes with the King. Defenders now have their book. An experimental Heart round with the Ace drops West's ten and indicates the trump split. Declarer pauses for much deep thought. The hands at this point are,

S A 10
H D A 10 7
C Q 8
S K 9 6 4 2 N S 8
H 10 W E H Q 6 5 4
D J C 10 C J

The remaining seven tricks illustrate the development of the Grand Coup. The seven of Clubs is led to the Queen and the ten of Spades returned and ruffed. Then a Diamond is led to the Ace-ten. The drop of the Jack eliminates the necessity to finesse and gives a much needed count on East's hand. Now the Ace of Spades is led, East discarding a Diamond, and ruffed with the eight of Hearts! This is the finale of the program to reduce Declarer's trump length to the same as East's. Declarer now returns to the board with his remaining Diamond. Declarer holds the King-nine of Hearts over East's Queen-six. The lead comes through East from dummy and, regardless of which card East plays, Declarer overtrumps and still holds the high trump for the last trick.

CROWN

129 N. Raymond, Pasadena
SY. 6-5100
Doors Open 12 M., Cont. Daily

SAMUEL GOLDWYN presents
DANNY KAYE
VIRGINIA MAYO

A SONG IS BORN

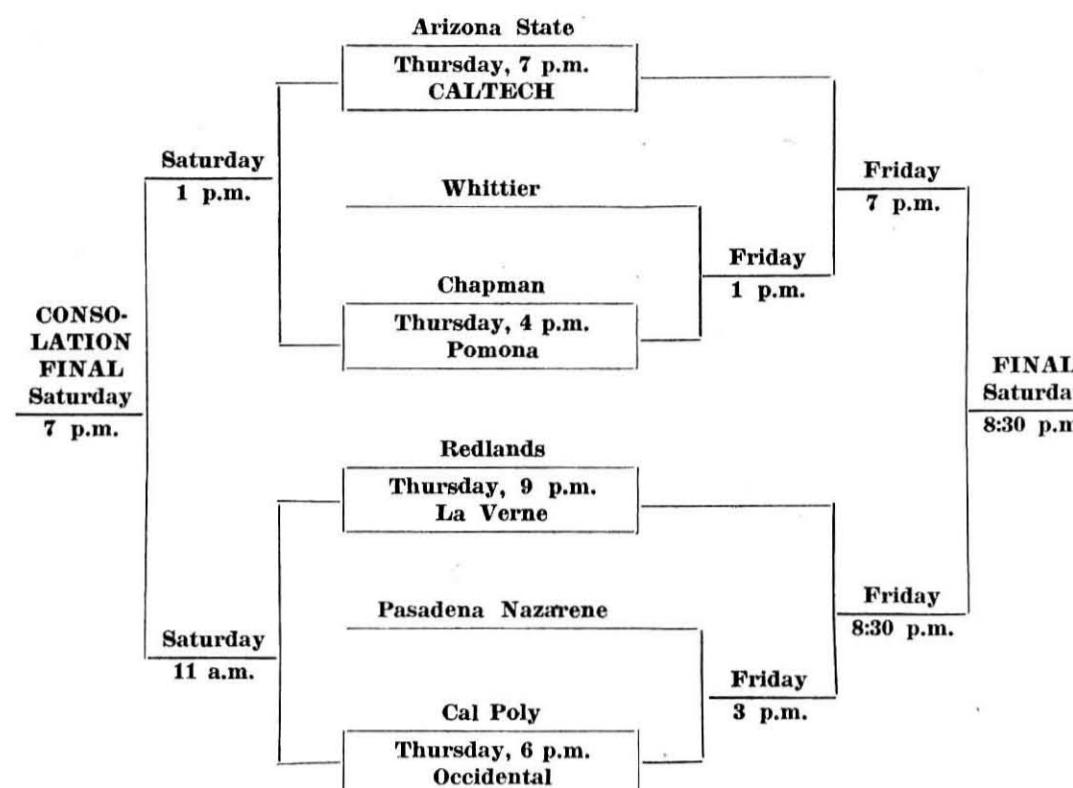
COLOR BY TECHNICOLOR

—Plus—



Schedule of the University of Redlands SECOND ANNUAL Invitational Basketball Tournament

December 2, 3, 4



Consolation Bracket

Dr. G.R. MacMinn Gives Talk To Browning Group

"Browning and the Art of Poetry" was the subject of a talk given by George R. MacMinn, Caltech English professor, to the Browning Society recently.

Dr. MacMinn urged that technical study is necessary to a full appreciation of Browning's poetry.

He gave examples of poems preferred by Browning's genius and pointed up his astonishing versatility, skill and power in meter, rhythm, rhyme, stanziac structure, tonal quality and figures of speech.

He then quoted some of Browning's observations, especially in "Fifine at the Fair" and "Pacchiarotto," on the nature and function of poetry, contrasting these with pronouncements

Part Time Jobs

Several opportunities to work for room and board.

Washing dishes for Club Dinners throughout the year from approximately 6 to 9 p.m. \$1.00 an hr.

Clean-up work from 4 to 9 p.m. daily and 7:30 to 3:30 p.m. on Sunday. Will take two men who can alternate the nights. This is a market and will pay \$1.00 an hour.

Campus representative working in clothing store approximately 8 to 10 hrs. a week. Friday nights, open until nine, and on Saturdays. Can buy clothes at discount. Will provide Christmas vacation work. Man must live on campus.

Men to solicit subscriptions to magazine. Price of magazine is \$3.00 a yr. and \$5.00 for 2 yrs.

by some of his contemporaries and several outstanding poets of the present time. The sharpest contrast was that between Browning and T. E. Eliot.

Championship Bracket

Commission of \$1.00 a year's subscription and \$2.00 on 2-yr.

Door-to-door salesmen for portable sprinkler system for watering lawns. 25% commission. Best time for selling—early evenings.

Crew of about 10 to 15 students (18 yrs. or older) to solicit subscriptions for newspaper. Middle of September until around Christmas. \$.75 per subscription.

Student's wife to do baby sitting some afternoons during week after 2 pm. and some evenings. Boy is 6 yrs. old.

Bus driver to work from 8 to 9 a.m. and 3 to 4 p.m. Also some Sat. and Sun. work. Chauffeur's license needed and boy must be over 18.

Man to work as service station

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 Line

SOUTHERN CALIFORNIA INTERCOLLEGiate

ATHLETIC CONFERENCE

1948 ALL-CONFERENCE FOOTBALL TEAMS

(As Selected by the Coaches)

FIRST TEAM

NAME	SCHOOL	WEIGHT	CLASS	POS.
Bill Pearson	Oxy	195	Sr.	E
Don Hubbard	CIT	180	Sr.	E
Manuel Bass	CIT	210	Sr.	T
Fred Farrand	Pom.	210	Jr.	T
Bill Payne	Whit.	235	Jr.	G
Craig Marks	CIT	195	Jr.	G
Chip Armstrong	Oxy	202	Jr.	C
John McColl	Pom.	195	Jr.	Q
John Trump	Oxy	160	Sr.	H
Chuck Hackelman	Red.	177	Jr.	H
Bob Ingersoll	Oxy	205	Jr.	F

Hibbard
Bass
Armstrong
McColl
Trump

Were also named on the 1947 All-Conference First Team.

SECOND TEAM

NAME	SCHOOL	WEIGHT	CLASS
Earl Ryerson	Whit.	190	Jr.
Vic Schwenk	Oxy	190	Jr.
Bob Chilcott	Oxy	220	So.
Bob Walquist	CIT	225	Sr.
George Ingersoll	Oxy	197	Sr.
Bob Fortney	Pom.	175	Sr.
Don Conde	Whit.	205	Jr.
Dick Tucker	Whit.	183	Jr.
John Sanders	Oxy	160	Sr.
Bob Frieze	Oxy	160	Sr.
George Colbath	Pom.	200	Jr.

Payne
Hackelman
Ryerson

Were named on the 1947 All-Conference Second Team.

Dr. Hubble Of Caltech Elected 'Man Of Year'

Harold P. Huls, national president of Kappa Sigma Fraternity, recently announced the organization's selection of Dr. Edwin Powell Hubble, astronomer and research associate of the California Institute of Technology, as the "man of the year." A plaque memorializing the award will be presented to Dr. Hubble at a banquet in the Hotel Huntington, Pasadena, Dec. 10. Kappa Sigma leaders from all parts of the country are scheduled to attend.

YOUR COLLEGE

SPORTS SHOP

Headquarters for
Sporting Goods

W.Y.N.N. MACE

Tennis Shop

Phone SYcamore 6-5804
912 EAST CALIFORNIA ST.
Pasadena, Calif.

Make the Camel 30-Day Test PROVE CAMEL MILDNESS IN YOUR "T-ZONE!"

SMOKE Camels for 30 days... it's revealing — and it's fun to learn for yourself.

Let YOUR OWN THROAT tell you the wonderful story of Camel's cool, cool mildness. Let YOUR OWN TASTE tell you about the rich, full flavor of Camel's choice tobaccos—so carefully aged and expertly blended.

In a recent national test, hundreds of men and women smoked Camels, and only Camels, for thirty consecutive days—an average of 1 to 2 packs a day. Noted throat specialists examined the throats of these smokers every week (a total of 2470 examinations) and reported

NO THROAT IRRITATION due to smoking CAMELS!

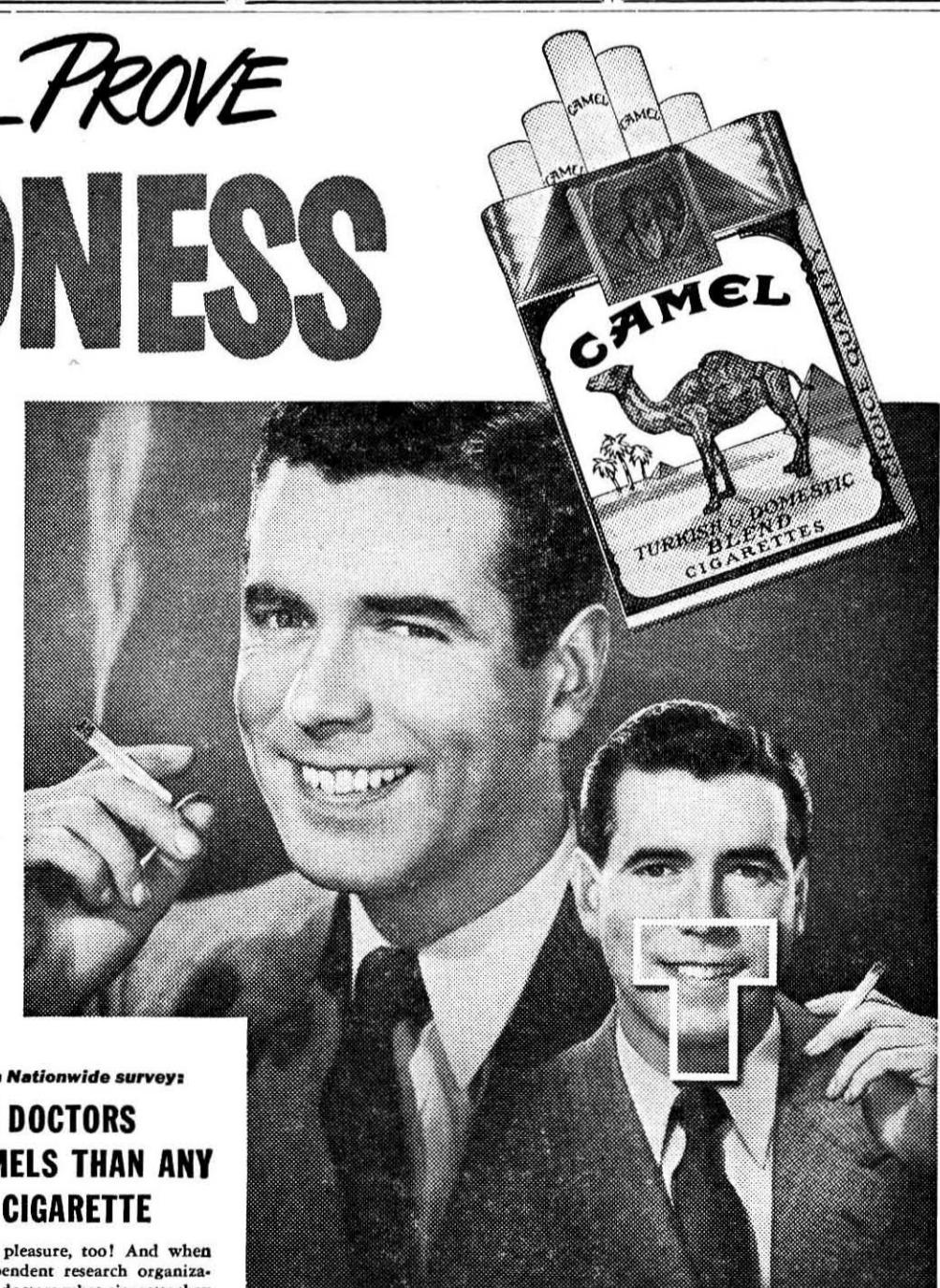
Money-Back Guarantee!

Try Camels and test them as you smoke them. If, at any time, you are not convinced that Camels are the mildest cigarette you ever smoked, return the package with the unused Camels and we will refund its full purchase price, plus postage. (Signed) R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina.

According to a Nationwide Survey:

MORE DOCTORS SMOKE CAMELS THAN ANY OTHER CIGARETTE

Doctors smoke for pleasure, too! And when three leading independent research organizations asked 113,597 doctors what cigarette they smoked, the brand named most was Camel!



Talkin' It Over
With The Goon

Hope all you men had your fill of turkey and are at peace with the world, because I'm not. This following beak comes under protest from two very close friends who asked not to have anything mentioned about the incident. Gentlemen, there is no doubt that Tau Beta Pi is a fine, upstanding, and honorary organization. There is no doubt that the men in it have shown by their scholastic ability that they are intelligent beings. It is said in their requirements for membership that the pledge must have shown other contributions to the school besides snaking.

Arbitrary

But when such an organization tells its prospective, in fact actually chosen, pledges that they must attend the banquet to be held on Friday night, December 3 or it's no go, Redlands Basketball Tournament or not, then the beak begins to harden up.

Little Concern

No one is trying to run Tau-beate, but I do think that the "Brain Boys" could give a little concession to the two men who are not only top men on the squad, but also outstanding men in the school. They would like to join your organization, but they sure as H— wouldn't quit a ball club to do it.

Newsnote From Crud

Heard a member of the Crude Alley Athletic Staff drop this little jewel, and thought you might like to hear it. "We men (note the loose use of this term) of Crude Alley never let athletics interfere with our drinking." More power to you; just so the little round ball goes through the circular ring one more time than the other team puts it through.

Word of Miriam

Dropped in to see the two most wonderful secretaries in the world the other day—Miriam and Miss McGee. They are engaged in their yearly tear jerking routine about "Why can't we go to the Athletic Banquet?" We're part of the Athletic Staff." In fact, this year they've threatened to borrow one of the Hustler's suits, both get in it, and

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.

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

(Continued on Page 6)

Caltech Puts Two On U.S. Grid Team

Manuel Bass and Don Hibbard, two outstanding gridiron men from Caltech have been nominated to play on the American All-Star amateur team, to meet similar teams from Canada, Mexico, and Hawaii in the World's Amateur Football Classic to be played at Gilmore Stadium in a three-day four-game series, Dec. 18, 19 and 26.

Nominations of outstanding players from small colleges and amateur leagues from all over the country are being received daily by Leslie Mann, former coach and All-American, who has been appointed commissioner in charge of co-ordinating team activity and participation in the forthcoming series.

Mugsy Walsh, Bill Beal, Earl Pley and Harry Beck of the Eagle Rock Athletic Club also stand a good chance to play on the American team, their nominations, with high records of football achievements this season, having been received.

The All-Star teams from Mexico, Canada and Hawaii are due to arrive in Los Angeles around Dec. 14, allowing them a few days for last minute practice.

Winning team of the series will be entitled to the A. A. Stagg Trophy, emblematic of amateur football around the world, which is being created especially for the series, sponsored by the Kiwanis Crippled Children and Charity Foundation.

Classified Ads

OLDSMOBILE, 1936 4-door sedan, in good condition, for sale. Call SY. 2-9737.

WILL the person who borrowed my PSYCHOLOGY BOOK from the bench in front of Gates Tuesday, Nov. 23, between 1:30 and 5:15 please lend it back to me until after the final. Thank you. Bob Stewart, No. 38, Dabney House.

Oak Knoll

Cleaners

THREE DAY

Cleaning Service

FOUR-DAY LAUNDRY

Rain or shine we're ALWAYS on time.

Special Features
Peraseptic, cleaning,
mothproofing service,
tailoring and repairing.

Pressing While You Wait

"Service With a Smile"

902 East California Street
(4 Doors East of Lake)

SY. 3-6704

TAUBATES INDUCT

(Continued from Page 1) initiated this term are: Fernando Corbato, William Cox, Gage, Ralph Lovberg, Mike Selten, and Martin Walt.

The seniors are: Ed Alexander, Lawrence Baumann, Elwood Brattnaber, Kendall Famularo, Marvin Heiman, Dick King, Charles Knight, Claude Lane, Merle Morgan, Bill Palmer, Marvin Rudin, William Simons, Jack White, Hugh Woodbury, and Thad Vreeland.

William W. Ward, a graduate student will be initiated for Texas Delta. This chapter at Texas A&M was just recently activated, and William Ward is a charter member.

Only one faculty member will be initiated this term. He will be Dr. Peter Kyropoulos.

ENGINEER FIVE

(Continued from Page 5)

neighborhood of at least 6' 4". His first team averages at least 6' 3" and if anything makes a difference this year, the Beaver height will be a tremendous factor. The backboards should always be under Engineers control, and this fact has won more than one game.

The starting Beaver five will probably be Paul "Goon" Saltman at center, Ted Bowen and Thorne Butler at forwards, Bill Cox and Monty Montgomery at guards. Art Bruington, Dick Brewer, Thad Vreeland and Al Sereno also should see quite a bit of action.

FORESTER PRESENTS

(Continued from Page 1)

CE, ME, EE Same

Among the many facts which proved of interest to the members of the audience were the following: That over 75 percent of the entire profession is divided about equally among the Civil, Mechanical and Electrical Engineering fields, while Chemical Engineers comprise about 10 percent of the entire profession. That of these branches of engineering, the Chemicals are not only the most highly educated group, with over 30 percent possessing Masters or Doctors degrees, but are also the most highly paid of all the groups. This pattern of higher pay continues through all experience levels, with the Electricals, Mechanicals and Civils following down the line in the order named.

Grad Work

Forester also attempted to answer the perennial question asked by all college students: "Shall I continue into graduate work?" by citing the figures of the report which show that up until about the 23-year experience level, those with Masters and Doctors degrees stay somewhat ahead of their less well-educated brethren, but that although those with a Doctorate stay on top of the heap, the Bachelors and Masters blend in together in the higher experience levels. It was also shown that Administrative-Management duties in non-technical fields are

GLEE CLUB, ORCHESTRA

(Continued from Page 1)

Now is the time for those who are not members of the orchestra or glee club to come and give their support, or criticism if it is deserved, of these revitalized groups. The musicians have spent many hours rehearsing for this concert, and they will greatly appreciate all interest, adverse or otherwise. Now we will finally see whether it is possible to have good music presented at a non-musical school. It will save many dollars of Philharmonic tickets, too, although admittedly the competition will not be too severe.

FUTURE PLANS

The plans for the future of these groups are indefinite. Perhaps with a larger membership, which can be gradually trained to higher musical standards, a more ambitious repertoire can be developed. However, the policy for the present will be to play relatively easy but beautiful music well.

the most highly paid, with Administrative-Management work in Technical fields and Research, both in Basic Science and Applied Science, follow in that order in rate of pay.

Copies Available

Forester attempted to show the value of the material contained in the report, and urged all those who are interested in its contents to contact him to obtain a copy for individual study.

TALKIN' IT OVER

(Continued from Page 5)

choice this year for the featured speaker: Braven Dyer to tell Pomona stories, Jack Geyer to tell Oxy stories. Much as I love Oxy, dear Braven heads a well known list I keep.

Changes Tune

A parting break at a well known sports writer who a few issues back got a big spread in the Sat. Ev Post. How can "Your old Flinger" (mind you, he never stated what he flings; it's understood) say that without doubt, Glen Dobbs is the greatest football player to ever don a suit, when just about a year ago he was ranting in the same column how Dobbs is yellow because he refused to get pounded at the single wing half back spot. Just how fast can a guy change his tune???

CROSS COUNTRY

(Continued from Page 5)

ence meet the next week. Bud is making no predictions, but that happy look on his face may be due to the way his men have been bunched at the finish in three last meets. Redlands will be gunning for revenge for their defeat, their first in several years of conference competition, so the conference meet December 11th promises to be a hard fought race.

Results of Whittier meet:

1. Marshall (T) 15:56
2. Cornelius (T) 16:02
3. Mason (T) 16:11
4. Peterson (T) 16:12
5. Mastain (W) 16:19

Bevo Water Men End Polo Season

Caltech ended its 1948 water polo season last Tuesday in a game with San Jose State. The Spartans, National Junior AAU water polo champions, came out on top with an 11-6 score. San Jose played against Occidental College the day before in the Tiger tank, defeating the Eagle Rockers 13-9.

Spartans Strong

The Spartans, who defeated Stanford, California and the San Francisco Olympic Club on their way to the AAU title, played a brilliant game of ball. They kept the Beaver offense bogged down and they powered their way through the Tech defense almost at will.

Palmer Scores

Bill Palmer scored two goals in the first quarter. Bob Waters connected for one tally in the third quarter and Dick Libbey completed the game by scoring three points in the final stanza. Coach Bill Dixon and captain Bill Palmer deserve a great deal of credit for the effort, results and improvements shown by the Caltech squad this year.

6. Cobb (T) 16:25
7. Hedges (W) 16:40
8. Brown, D. (T) 16:57
9. Tucker (W) 17:09
10. Sellen (T) 17:14
- Smyth, Abell, Edwards, McIntyre (W), Bowerman, Shakespeare, Lansdown, Odell (W), Basham, Steese, Kurland.

**"My smoke is CHESTERFIELD
in my new picture, WHEN
MY BABY SMILES AT ME.
I always smoke CHESTERFIELDS.
They're MILDERS..."**

It's MY cigarette."

Betty Grable

STARRING IN
WHEN MY BABY SMILES AT ME
A 20th CENTURY-FOX TECHNICOLOR PRODUCTION

Irene Bond ABC GIRL-
University of Oklahoma says -

*"I smoke Chesterfields because I know
they'll always give me the Cooler,
Better, MILDERS smoke I really go for!"*

MAKE YOURS THE MILDERS CIGARETTE

Aways Buy CHESTERFIELD

MORE COLLEGE STUDENTS SMOKE CHESTERFIELDS than any other Cigarette . . . BY LATEST NATIONAL SURVEY

Copyright 1948, LIGGETT & MYERS TOBACCO CO.