

Houses try "Hangtown Gals" in Interhouse Sing Monday

Each house's rendition of the melodious "Hangtown Gals," plus one or two songs of each house's own choosing will decide who will keep the interhouse singing trophy for the

coming year when the Interhouse Sing is held Monday night, at 7:30 in the gym.

The Glee Club will later present several numbers of its own to show how it should be done, and will then serve refreshments to console those who are bound to lose. Dr. Alfred Ingersoll will be master of ceremonies, while Dean Eaton will present the trophy.

The judges for the contest will be Mrs. Hedwig Rice Finkendiner, Choral Director at Monrovia High School; Mr. William P. Benulis, teacher of music theory and Director of the Glee Club at Pasadena City College, and Miss Shirley Nute, Director of Choral Music at Glendale High School.

Blacker will present "Glory and Honor Are Before Him" by J. S. Bach as arranged by Peter Tkach, as its extra number; Dabney will give "Jesus Walks This Lonesome Valley," a Negro spiritual as arranged by William L. Dawson; Fleming, "No N Nobis; Domine" with words by Rudyard Kipling and music by Roger Quilter; Ricketts, "Hallelujah" from *Hit the Deck* by Vincent Youman and an octet number from the Nineties called "She Is More to Be Pitied Than Censured" by William B. Gray.

Kirk presents platform, plans for presidency

There are certain duties that a student body should expect and demand of a president. It seems to me that the first of these is representation.

Since it is impossible for the 600 members of the student body to serve on the Board of Control, Board of Directors, ICC, the Alumni Board, the Student Faculty Relations Committee and the Athletic Council, the president must serve as the voice of the student body at these meetings. The president is the corporation's chief representative to the "outside" and to the faculty. I hope that my two and a half years experience in student activities will give me the background necessary to represent you well.

I hope to create or sustain enthusiasm in the other members of the Board so that the Student Body will realize an enlarged ASCIT program. In particular, I hope to expand the Homecoming Queen Contest, increase the student influence in planning the new student houses and student union, encourage the expansion of the ASCIT social program and see that student body views on education at the Institute receive ASCIT backing. I will encourage Board members and their ideas, because it is in this way that student body will receive a better ASCIT program.

I would like to hold the office of ASCIT President and I hope that I will be able to fulfill the responsibilities you will give me if you vote for Dick Kirk next Thursday.

Dick Kirk

ICC Dance on February 22

Bids for next Friday's ICC Dance are now available from BOD members Dave Leeson, Dick Kirk, and Herb Rauch.

The dance, held this year on George Washington's Birthday, will feature the music of Jerry Fielding and his orchestra. Dancing will begin at 9:00 p.m. at the Ontario Armory, 950 No. Cucamonga Ave., Ontario; the Armory is located approximately five miles south of Highway 66 in the city of Ontario.

The bids, costing \$2.00 per couple, have been prepared for the ICC by the artistic talents of Scripps. The eight members of the Inter-College Council are Caltech, Chapman, Claremont, Occidental, Pomona, Redlands, Scripps, and Whittier. Tech's delegates to the ICC are BOD members Craig Elliott, Glenn Converse, and Leeson.

Announcements

FORMAL REMINDER
Formal, printed invitations are still available from Dave Leeson, Dick Kirk, and Herb Rauch at no-charge.

Recommended dress for the formal will be "winter formal," which traditionally consists of dark tuxedos. ASCIT members may obtain sizeable discounts if orders are placed before Feb. 25, at Dedrick's Tux Shop, 230 So. Lake St.

ECONOMY RUN

The 1957 Mobilgas Economy Run will take place from April 14 to April 19. Caltech students will again act as official AAA observers during this week and on break-in runs preceding the final run. All registered students are eligible to participate, subject to approval by the Deans. Further information and sign-up list available in Rm. 201 Engineering.

DRAMA CLUB

The Caltech Drama Club combines all the operations of tryouts, casting, and rehearsing into one primordial effort on Sunday, February 17, at 2 p.m. in Dabney Lounge.

Their play, "No Time For Sergeants," will be presented on the following Thursday evening to the faculty play-reading group.

Offices uncontested in ASCIT elections

Changes set for ASCIT By-laws

Appearing on the ballot next Thursday for your vote, along with the names of the ASCIT candidates, will be several proposed changes in the By-Laws of the ASCIT. These changes are introduced by the action of the Board of Directors, in accordance with the rules and regulations of the By-Laws, to allow the corporation to be run more efficiently and equitably.

BOC Eligibility

Insert the following sentence: "A student shall be ineligible to hold the office of Board of Control member for two consecutive elective terms of office." This amendment will permit more students to have the experience of being a member of the BOC and to gain some insight into the Honor System and its enforcement. There will be more former members of the BOC who could be candidates for the office of Vice-President.

BOD Eligibility

Delete the following sentence: "A man taking more than four years to complete a four year course shall be ineligible to hold an elective office after his fourth year." This will permit the student voters to decide upon the qualifications of a candidate instead of the By-Laws of the ASCIT deciding.

Fiscal Year Change

The fiscal year of the ASCIT shall be changed so that it will end on March 31. The books of the ASCIT will then be audited near the beginning of third term. At present the fiscal year ends on June 30, but the audit of the ASCIT books cannot be completed until well on into first term because the finances of the Big T are not cleared up until then. This puts quite a strain on the new treasurer who does not come into office until after June 30. He must set up the new books and help in the audit of the old books—all without the help of the former treasurer who has graduated.

Winter Carnival

Tomorrow night at 9:00 o'clock, the Newman Club sponsored Winter Carnival Dance will be held in Dabney Lounge. Bids will cost \$1.50 with the profits being used for Hungarian Relief. They may be purchased from: Blacker, John Conover, Dabney, Lewis Linson, Fleming, Larry Tenn, Ricketts, Pierre Sundberg, Throop, Ray Virzi, and off campus, Bill McKeon, or at the door.

The Winter Carnival Dance will feature the music of Tony Iorillo and his band. As an added attraction, a door prize will be given and free refreshments will be served.

The Winter Carnival Dance will serve as the normal social function for the four student houses and Throop Club this Friday and is scheduled on their calendars. Bernie Lopez of Dabney House is this year's president of the Newman Club.

Following speeches and advertising during the coming week, undergraduates will vote next Thursday to fill at least nine contested ASCIT offices. Voting booths will be set up in the five student houses at noon time and another will be maintained in front of Dabney Hall between 9 a.m. and 4 p.m.

As of press time, there were no candidates for two offices, Business Manager of the California Tech and Editor of the Big T.

There are two candidates for each of the other offices, except President, Athletic Manager and Yell Leader, for which there is only one candidate each, and Second Representative, for which there are three.

Candidates are permitted to post campaign signs between Throop Hall and Throop Club beginning at 10 p.m. Sunday. On the following three days, candidates will give two minute speeches in each of the four residence houses at lunch and dinner, and in Throop Club at noon.

Candidates nominated on February 7 included:

President: Dick Kirk.
Vice President: Gene Cordes, Andy Perga.
Secretary: Mike Godfrey, Mike Talcott.
Treasurer: Clarke Rees, Reed Saunders.

First Representative: John Conover, Tony Iorillo.
Second Representative: Brad Efron, Lee Hood, Jerry Siegel.
Publicity Manager: Stu Goff, Bill McClure.
Athletic Manager: Russ Pitzer.
Rally Commissioner: Kent Frewing, Don Owings.
California Tech Editor: Al Carlin, John Lango, Bob Walsh.
California Tech Business Manager: No candidates.
Big T Editor: No candidates.
Big T Business Manager: Martin Conneally, Pete Smith, Dennis Kuli-Lewis Linson.
Head Yell Leader: Michael Gospe.

BOD meets, honors given

Recipients of honor keys and certificates were determined last week by the ASCIT Board of Control, headed by Rube Moulton. 19 keys and 19 certificates were awarded. Two Techmen will receive their third key and four will receive their second.

Key winners are: Brent Banta, Mike Bleicher, Keith Brown, Glenn Converse, Bill Dietrich, Craig Elliott (2), Pete Finley, Dave Gilson, Dick Kirk (2), John Lango, Dave Leeson, Rube Moulton (3), Don Nierlich (2), Ed Park, Herb Rauch (2), Reed Saunders, Marty Tangora (3), Dick Van Kirk and Larry Whitlow.

Certificate winners are Wally Baer, Howard Bloomberg, Mike Duke, Al Forsythe, Kent Frewing, Mike Godfrey, Dave Groce, Joe Lingerfelt, Keith Martin, Wayne Nelson, Andy Perga, Walt Peterson, Roy Stake, Vince Taylor, Phil Thacher, Walt Weiss, Don Wiberg, Jim Workman and Dave Yount.

Gene Cordes, Andrew Perga vie for Vice-President post

The single most important feature of the government of the Caltech student society is the existence and efficient operation of the Honor System.

The principle responsibility of the ASCIT Veep is the task of seeing that the Board of Control continues to operate at the present high level of efficiency and also to see that it maintains the high level of respect that it now enjoys from the Tech student body. My primary motive in seeking the office of ASCIT Veep is to guarantee that the above obligations are fulfilled. My participation in ASCIT, house, and class political affairs, in intercollegiate athletics, and in speech activities, exemplify, I hope, my interest in Tech affairs and my ability as a leader in student activities.

As a voting member of the Board of Directors, your Veep must be aware of all angles of student life and opinion. The Tech student government enjoys a remarkable degree of freedom from faculty intervention. By serving as Tech's representative to the National Students Association, I was continually amazed and delighted to find how relatively problem-free our student government really is. I believe that the BOD should use every measure of its ability and resourcefulness to continue to demonstrate to the College Faculty community that college students are capable of determining their policies and administering their affairs.

And it would be sincerely appreciated if on election day you would cast your vote for capable and mature student government by marking your X opposite the name Gene Cordes.

Gene Cordes

The thing that seems to impress an outsider visiting our campus the most is the fact that we have an honor system. It is a priceless asset to Tech and a break-down would probably cause its removal. The big job of the ASCIT Vice President is as chairman of the Board of Control. Not only does he have to publicize the honor system to new students and to see that every student understands its workings, but he must also arrange for and preside at meetings whenever a violation occurs. The maintenance and control of the honor system is a big job and one which requires a responsible man.

The Vice President's other duties include being a member of the Board of Directors and being the chairman of the ASCIT's charities and blood drives. These functions take someone who knows the school and student body and a person with sound judgment.

In the past several years I have actively participated in campus life and have held offices both in my house and in several campus organizations and also have taken part in the Institute's forensics program. Through these activities I have become acquainted with Tech men and I feel that I know their likes and dislikes well enough to be a true representative of the student body on both the Board of Control and the Board of Directors.

I feel my past experience and capabilities enable me to do a good job and I hope you will consider me when you vote for ASCIT Vice President next Thursday.

Andrew Perga

Mike Talcott is enthusiastic to become ASCIT Secretary

To me holding office in this school is a great privilege. It is not a reward granted to the All American boys or the prettiest girls (a dreadful shame). It is rather a privilege for those who are primarily interested in the welfare of the school, in particular on the ASCIT level.

School cynics will laugh and point out the hyper-abundance of election time enthusiasm and spirit bursting forth. They will joke about how these bubbling candidates seek office for prestige, job recommendations, honor points and what not. Perhaps to a very small degree they are correct, but in my case there is quite a different basis for this campaign and election.

It has been my feeling since

my first day at Tech that I owe this school and its student body a great debt for the warm attitude it assumed toward my fellow students and I. Basically this is why I feel almost obligated to serve the ASCIT. I will consider being elected Secretary a chance to repay a debt and a privilege in serving the school. It will give me an opportunity to apply the interest and enthusiasm that I have for Caltech by informing the student body of the Board's actions.

I hope that I have given, above, a sample of my dedication to this school. The responsibilities of ASCIT Secretary will give me a chance to put that dedication to work.

Mike Talcott

Mike Godfrey is enthusiastic to become ASCIT Secretary

Why am I running for ASCIT Secretary?

I am seriously and sincerely interested in life at Tech. On the house level my interest has been evidenced by my membership on my House Executive Committee. The Editorship of the Little T afforded me added opportunity to meet and get to know members of the faculty and administration. As a student I am consciously concerned with problems of importance to students. These problems range from the now near-proverbial "Should the Humanities curriculum be revised?" to "How can the students receive the maximum benefit from their Student Body dues?"

I have the background to enable me to carry out the respon-

sibilities of membership on the Board of Directors and, equally as important, the Board of Control. My interests and activities have led me to develop to the best of my ability the capacity for understanding and working with people. Last summer, in producing the Little T, I had the opportunity to deal with not

only many members of the administration and faculty here, but also a considerable number of Pasadena and Los Angeles businessmen. The work on the Little T also gave me added practice in writing clearly and concisely.

With your help on election day, I shall welcome enthusiastically the opportunity to represent your views as ASCIT Secretary.

Sincerely,
Michael Godfrey



University of California Radiation Laboratory

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February 19 and March 28

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Socially-minded candidates run for First Representative office

The duties of the First Representative-at-large consist primarily of his responsibilities as a member of the Board of Directors and as social chairman of the Institute. I feel that I am qualified to substantially fill the requirements of these duties and for this reason have entered my name in the race for First Rep.

I have discussed and argued policies and decisions for the E. O. D. after these decisions have been made, for too long. If I am to be able to conscientiously gripe any longer, I must start expressing myself where my words might have a real effect,—on the Board as a member. I feel that my experience as Sophomore Class President, Student Shop Committeeman, and house social chairman

(Continued on page 6)

ASCIT social functions are opportunities for every Techman to enjoy dividends from his share in the corporation.

These functions, though necessarily few in comparison to those of the houses, should be major events on the social calendars. Such ASCIT events, as the Lost Weekend, Homecoming, the Christmas dance and the Spring Formal, should be ones which no one on campus would want to miss.

I would like to see a campus open-house become a part of the Lost Weekend. One in which each house would make its facilities available to the student body simultaneously. The glee club sing would be held in a particular house at a predetermined time, and other forms of entertainment would

(Continued on page 6)

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Pair seeks to manage paper

Program:
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1. A series of experimental issues, starting with wider columns and smaller, more uniform headlines.
2. Increased advertising rates to make more space available.
3. A search for more staff members, especially for creative writers.
4. Weekly editorials and an editorial staff to write them.
5. More features, including Audience and a book review column.
6. Weekly staff meetings.

Qualifications:
Anyone can do the routine work. An editor must have the time, interest and ability to go beyond the routine to the creative. We will have these because

1. We will be juniors, not seniors: "senior apathy" hits Tech editors pretty hard.
2. There are two of us: we can distribute the routine work load, leaving more time for the creative.
3. We have the experience which will allow us to handle the routine work smoothly and efficiently:

Alan Carlin.

a. high school
staff writer for similar letterpress newspaper, 1949-1955; assistant editor, senior year, with considerable make-up responsibilities.

co-editor and major contributor to literary magazine.

first prize winner, 1955 South-eastern Michigan Scholastic Writing Contest.

b. college
staff writer for the Cornell Engineer, freshman year.

Tech news staff member, first and second terms this year.

active in YMCA (Public Affairs Committee) and soccer team.

John Lango

a. news staff reporter for Tech since fall of 1955. Audience Editor. News Editor, 1956-1957.

b. active in YMCA (Treasurer, Film Series Committee), debating, Farrago, soccer.

Al Carlin
John Lango

Candidates to campaign for money-keeper

How many people know that an important decision was reached a few weeks ago by the ASCIT Board of Directors in regards to changes in the school's athletic awards system? How many people were interested enough to attend the board meeting when these decisions were made? Think about what kind of people it takes to make up an ASCIT Board.

It takes a person who is willing to spend his own time thinking about both sides of such subjects, one who is not afraid of speaking and giving his own ideas and who can make fairly level-headed decisions in the light of a few facts, one who is willing to work a little harder and receive a little less gratitude in proportion to his work for the school. This is especially true of the job of ASCIT Treasurer, since the gentleman who holds this office has much to do in the way of keeping books, making expenses meet, as well as the complete organization of student policies. Most people say, "Well, there are \$12,000 in the bank and the treasurer is the one who spends it."

You can therefore see that the office of Treasurer, or any other ASCIT office, is not just a gift, and people who run for ASCIT do it not for glory. I admit it does give a person self-satisfaction to hold an elected office, as it well should since not everyone is capable of holding a student body office. What I am trying to say is that I feel I possess these ideas and capabilities and I would very much like to be your next ASCIT Treasurer.

Clarke Rees

The job of ASCIT Treasurer is an important one. The ASCIT Treasurer is responsible for the ASCIT finances which amount to approximately \$12,500. Specifically he submits the annual budget to the Board of Directors for approval, keeps the ASCIT

(Continued on page 6)

CARL'S CALTECH BARBERS

906 E. California
SYcamore 3-2554

Walsh wants to head Tech

A newspaper editor must have talent in his field, but this talent is ineffectual without experience. My experience has been extensive and thorough:

Frosh: Frosh Sports Columnist. This job involves reporting on all freshman athletics. Here one learns the essentials of newspaper style and coverage, and here one meets a very large percentage of his classmates.

Soph: Assistant Sports Editor. This job was created to help a badly-overworked Sports Editor and to give the holder a chance to gain editorial experience. The job included rewriting, proof reading, writing headlines, and occasional trips to the printers.

Junior: Managing Editor. As direct assistant to the editors, the holder of this job gains extended experience in every aspect of newspaper production. Designing pages, meeting people, assisting the printers, making assignments, and placating the staff all fall into his lap at times.

But only the editor-in-chief can set the tone of the newspaper; only the big boss can do the organizing that determines whether we have an outstanding newspaper.

He must have the feel of the newspaper; to him each issue must be an artistic endeavor, and its production should give him a sense of accomplishment.

I am sure that I am more than ready for this job. I therefore urge you to support me next week when we go to the polls. Thank you.

Bob Walsh

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See Glen Seltzer, Tuesday, February 19th
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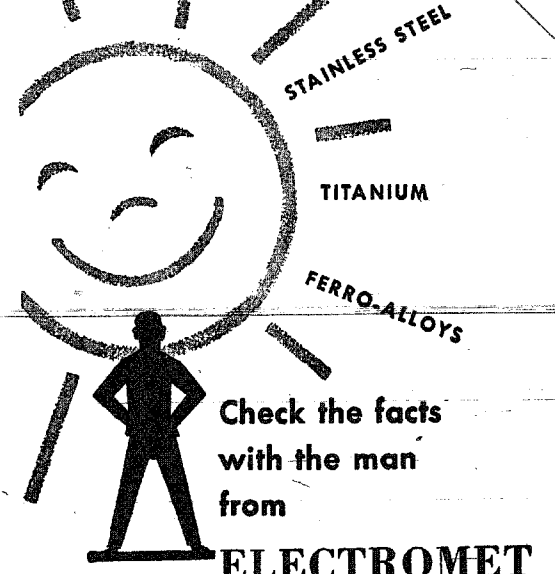


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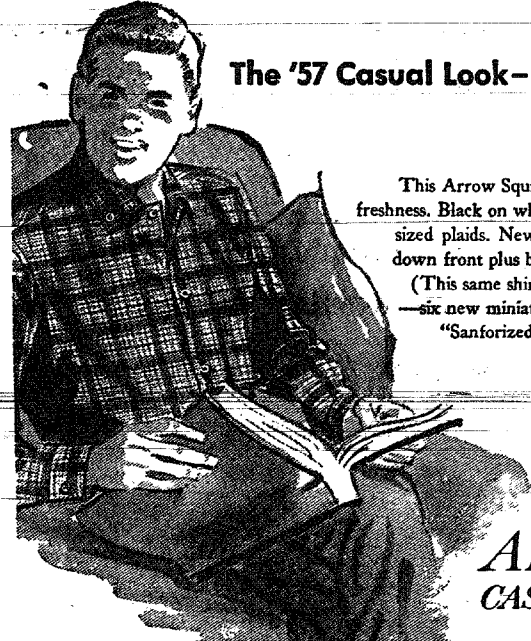
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Friday, February 22



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Fleming takes six firsts to win interhouse track meet

Fleming House swept to the interhouse track title, winning six of the 14 events. Fleming tallied 71 1/2 of the 145 point total, followed by Dabney with 55 1/2. Blacker, Throop and Ricketts followed in that order with 15, 7 and 5 points respectively.

In the first event, the 1320 yard run, Wes Shanks and Steve Emanuel finished one-two and from there the "Bid Red" won going away. Dick Herlein did much to further the Fleming cause, taking the two sprints, anchoring the winning relay team and placing second in the pole vault behind Dabney's Tony Howell. Howell was the high point man for the meet adding the two hurdle crowns to his vault victory for 15 points. Other winners for Fleming were George Kaufman who took the high jump and Larry Whitlow in the diacas.

Lannes Purnell of Blacker set the only meet record, tossing the javelin 171 ft. 9 1/4 in.

A glance at the trophy standings through the track meet finds Dabney in first with 65 1/2, Blacker second with 60 1/2 trailed closely by third place Fleming half a point back. Ricketts and Throop bring up the rear with 45 1/2 and 44 1/2 points respectively.

Summary:

100 yd. dash—Herlein (F), Whitlow (F), Kregger (D); Time: 10.5.

220 yd. dash—Herlein (F), Linson (D), Baird (B); Time: 23.4.

330 yd. dash—Linson (D), Dietz (F), Tenn (F); Time: 38.9.

660 yd. run—DeGaston (D), Shanks (F), Clark (R); Time: 1:29.4.

1320 yd. run—Shanks (F), Emanuel (F), Benisek (D); Time: 3:40.8.

Frosh Sports

by Dave Slingmaster

Last Friday, the Beaver Frosh travelled to Whittier. They were met by a team seeking revenge for their early loss to Caltech. The Poets started off with a strong attack and showed their ability to fast break. The half-time score was 35-24, final score was 81-51 in favor of Whittier. The Poets showed vast improvement over their previous game, where they did not use the fast break. Mel Holland and Dave Blakemore were high point men for the losers.

Saturday afternoon, the Beavers went to La Verne. Having lost by thirty points on their home court, the Beavers wanted this one. They surged to a 25-7 lead in the first ten minutes against a press. But the attack stalled in the second quarter, and at the half the score stood at 31-27. The second half was the most exciting halves in which Caltech has played this year. After eight minutes the score was tied at 36 all. The score was then tied at 38, 40, 43 and 45.

With one minute to go, La Verne picked up a bad pass and scored. They then got possession of the ball and called time. The La Verne men tried to stall out the clock, but with three seconds to go Holland stole the ball and drove in for a layup as the buzzer sounded. The ball rolled around and out. Score: 47-45, La Verne. Holland and Blakemore again shared high point honors, though Dave fouled out in the fourth quarter.

Caltech faces Chapman five! Saturday nite

Caltech's varsity basketballers, still seeking their second win of the season, travel to Chapman Saturday to meet the powerful Panthers in a non-conference game. Earlier this year the Beavers dropped a 63-32 decision to Chapman on the Caltech court.

Caltech's sole win to date this season was a 57-46 victory over a weak Riverside crew, while Chapman has piled up a winning record against some of the top small-college teams on the Pacific coast.

Paced by Bob Hamblin, Art Blas, and Mary Decker, the Panthers will be rated heavy favorites in Saturday's contest, despite the loss of forward Dave Smith because of graduation.

The Beavers' main scoring hope is Fred Newman, sophomore guard, who has been averaging about ten points a game. Jim Welsh and Glenn Converse are other consistent scorers for Caltech. Coach Shy's men will probably depend on a fast-break attack to pile up a more impressive point total than recorded in the first encounter between the two teams.

Tuesday the Beaver hoopers travel across town to meet Pasadena Nazarene in the Crusaders' gym. Pasadena may be without the services of their star forward, Jim Bond, who is recovering from an ankle injury suffered during the Crusaders' recent trip through northern California.

70 yd. H. H.—Howell (D), Fullerton (F), Finley (D); Time: 10.2.

120 yd. L. H.—Howell (D), Whitlow (F), Finley (D); Time: 14.6.

880 yd. relay—Fleming (Whitlow, Dietz, Tenn, Herlein), Dabney, Ricketts; Time: 138.7.

High jump—Kaufman (F), Luenberger (D), Fullerton (F); Height: 5 ft. 8 1/4 in.

Broad jump—Kull (D), Hansen (B), Purnell (B); Distance: 19 ft. 4 in.

Shot put—Magle (T), King (F), Berry (D); Distance: 38 ft. 9 1/4 in.

Javelin—Purnell (B), Engleberg (F), Leonard (D); Distance: 171 ft. 9 1/4 in.*

Discus—Whitlow (F), King (F), Magle (T); Distance: 117 ft. 7 1/4 in.

Pole vault—Howell (D), Herlein (F), Moore (F); Height: 10 ft. 4 in.
*New meet record.

Final Score	
Fleming	71 1/2
Dabney	55 1/2
Blacker	15
Throop	7
Ricketts	5

The Sports Corner

by Dick Van Kirk

Last Saturday the varsity basketball team traveled to LaVerne to meet the Leopards in their home gymnasium for a non-conference game. On each side of the playing floor there were four rows of bleachers. Sitting in these bleachers were three Caltech students in all, aside from members of the basketball squad, and two of these three were the managers of the basketball team. It's easy to see what kind of student interest and enthusiasm concerning basketball exists at Caltech. On that fine Saturday evening when twelve men were working their hardest for Caltech, one other student had the energy and initiative to drive a few miles and cheer for them. If there was ever a sure way to kill spirit on a basketball team, it is a withdrawal of student support and interest.

At the home basketball games the average attendance is anywhere from fifty to 100 students. At some of these games, home games, mind you, the cheerleaders are afraid to try to lead a cheer because there aren't enough people in the stands for even a mild roar.

Caltech has three games left on the basketball schedule this season.

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FRIDAY, FEBRUARY 15, 1957

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- Electrical Engineers
- Mechanical Engineers

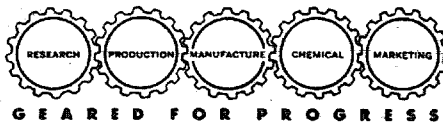
SHELL DEVELOPMENT CO.

- Mathematicians
- Chemical Engineers
- Electrical Engineers
- Mechanical Engineers

Shell offers qualified graduates a great variety of challenging opportunities. In the large and diversified Shell organization such personnel have unlimited scope in a progressive industry. All Shell companies operate on the principle of "Promotion from Within," offering comprehensive on-the-job training programs to prepare personnel for positions of increasing responsibility. Shell employs graduates who have majored in Accounting, Banking and Finance, Business Administration, Economics, Pre-legal, Personnel and Industrial Relations and Liberal Arts.

ON CAMPUS FEBRUARY 21 AND 22

**SHELL OIL COMPANY
SHELL CHEMICAL CORP.
SHELL DEVELOPMENT CO.**



Whittier La Verne down Tech hoopsters handily

Coach Carl Shy's varsity hoopsters dropped a pair of games last weekend to run their season record to one win and thirteen losses. Friday night the Beavers traveled to Whittier and dropped a 73-39 decision to the league-leading Poets, and on Saturday La Verne took a 100-70 win from Caltech in the Leopards' gym.

Whittier utilized a hustling defense and a whirlwind fast-break to overcome Caltech. With guards Bob Osborne and Earl Reese continually breaking up the Beaver passing attempts, the Poets scored several times on Caltech miscues.

In the first half the Beavers managed to stay within striking distance of the Poets, as neither team scored at a rapid pace. Whittier left the floor at half-time leading by ten points, 31-21.

At the start of the second half the Poets virtually sewed up the game, as they scored 14 straight points to pull to a 45-21 lead before Caltech was able to score in the second half. The rest of the game saw Whittier widening the gap to 39 points, before a last minute flurry by Caltech trimmed the margin to only 34 points.

Osborne was the game's leading scorer, with 17 points, followed by Reese and Chuck Hasley of Whittier with 14 each. Fred Newman scored 10 and Dick Van Kirk 7 for Caltech.

At La Verne the next night the run, run, run tactics again paid off in a high score for the victors, as the Leopards' half-court press repeatedly stopped the Beaver attack at the center line. Despite this harassment, Caltech kept within five points of La Verne throughout most of the first half, trailing 32-27 with about eight minutes left in the first half. Then the Beavers hit another can't-do-anything-right streak, and La Verne took quick advantage to gain a 23 point margin, leading by 54-31 at half-time.

Both teams played on fairly even terms throughout the second half. Caltech began using a fast break in an effort to catch up to the Leopards, but the gap between the two teams never was substantially narrowed. Late in the game La Verne began pressing in an effort to hit the 100 point mark, and the Leopards still managed to hit a large percentage of their shots.

Fred Newman and Jim Welsh were the leaders in the Caltech offense, which produced the highest point total for a Beaver squad in a single game since the 1954-55 season. The total of 70 points was the most scored by any athletic squad in a single game this school year, surpassing by three the 67 scored by the football team against Cal Baptist.

Newman scored 23 points to lead the Caltech scorers. Welsh had 13 points, Glenn Converse 10, and Dick Van Kirk 8 for Caltech. Glenn Stanford was La Verne's big gun, scoring 31 points and gathering in 30 rebounds.

Welcome!

CAMPUS BARBER SHOP

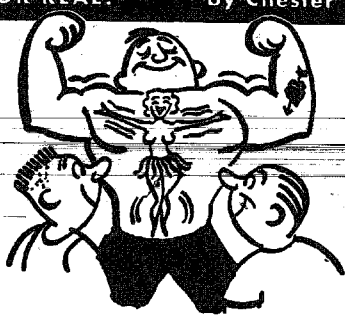
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Hours: 8-5:30 Price: \$1.50

Phone: Ext. 212

Two Barbers on Monday & Friday

IT'S FOR REAL! by Chester Field




HE-MAN DREW

Rich man of the campus was Danny Drew
Because of his wonderful chest tattoo—
A beautiful lady exquisitely etched—
When he flexed his muscles she got up and stretched
His buddies all gave him their hard-earned dough
For the pleasure of watching
his pectoral show.

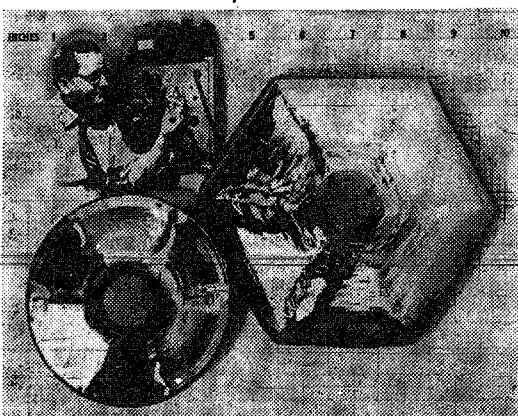
MORAL: Accept no substitute for real enjoyment. Take your pleasure BIG. Smoke Chesterfield and smoke for real. Made better by ACCU-RAY, it's the smoothest tasting smoke today.

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\$50 for every philosophical verse accepted for publication. Chesterfield, P.O. Box 21, New York 46, N.Y. © Liggett & Myers Tobacco Co.



engineers / physicists ...



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Produced by Texas Instruments — another notable "first" for this 28-year-old electronics and geophysics firm whose products and services now total \$44 million annually. The many pioneering projects now under way at TI offer engineers and physicists wide and interesting choices of work... in the design and development of:

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| <p>SEMICONDUCTOR DEVICES AND OTHER COMPONENTS</p> <ul style="list-style-type: none"> transistors transistor circuits diodes rectifiers transformers resistors panel meters test equipment | <p>ELECTRONIC AND ELECTRO-MECHANICAL APPARATUS</p> <ul style="list-style-type: none"> radar sonar infrared navigation magnetics telemetering communications computers |
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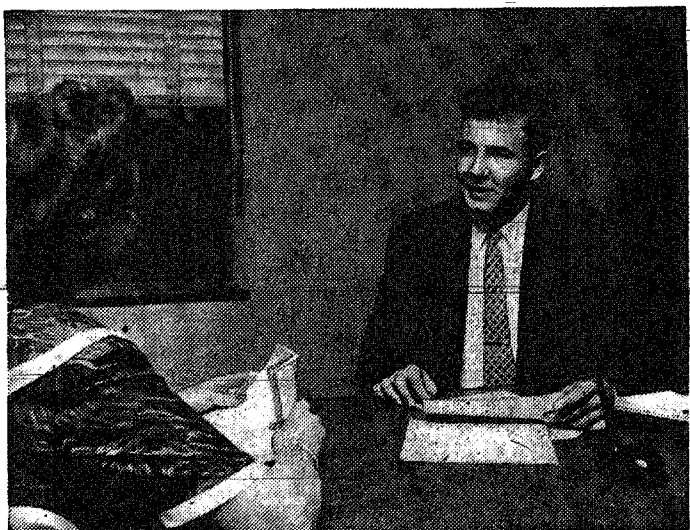
You are invited to join one of these expanding programs at Texas Instruments — where recognition of individual achievement has contributed to its fifteenfold growth in the last ten years. Advanced personnel policies include company-sponsored educational assistance, profit-sharing, insurance and pension plans.

The TI plant is within Dallas yet away from downtown traffic... within 5 minutes of fine residential areas, churches, and public and private schools. Your home will be within 15 minutes of year-around recreational, amusement, and cultural facilities.

Contact Placement Office for interview February 22

TEXAS INSTRUMENTS
INCORPORATED
6000 LEMON AVENUE DALLAS 9, TEXAS

A Campus-to-Career Case History



Manager Joseph S. Manning discusses a customer service request with Office Supervisor Catherine Hazleton.

"Like having your own \$3,000,000 business"

Joseph S. Manning graduated in 1950 from Wesleyan University with a B.A. degree and a major in Bio-Chemistry. But chemistry, he decided, was not to be his career. He became intrigued, instead, by the opportunities in the telephone business, and joined New York Telephone Company in 1951.

an independent operation, which I enjoy. I'm in charge of all business office functions, and of personnel training and development. I also spend a lot of time out with my customers, making sure that they have the telephone service they want and need. It's an absorbing job.

Today Joe Manning is Business Office Manager in Parkchester, Bronx, New York. In this position he is responsible for about 27,000 telephone accounts which bill some \$250,000 a month. 35 people work under him.

"The phenomenal growth of the business is one of the reasons why advancement opportunities are so good in the telephone company. Since 1943, for example, the number of telephones in our area has almost tripled. Growth such as this, going on all over the country, makes the telephone business especially attractive to anyone seeking a career with a future."

"It's like having your own \$3,000,000 business," Joe says. "And it's pretty much

Bell Telephone Companies offer many interesting career opportunities, as do Bell Telephone Laboratories, Western Electric and Sandia Corporation. Your placement officer has more information about all Bell System Companies.



Rally position attracts pair of candidates

In the immortal words of Charlie Brown (or perhaps it was a Caltech student which I happened to overhear), "The office of Rally Commissioner DEMANDS enthusiasm." Although these well chosen pearls of wisdom can be interpreted to apply to the incumbent of the office, at present I wish to express to you my enthusiasm for desiring to serve the ASCIT in this capacity. However, if elected to this position, I sincerely hope, and do believe that my enthusiasm for providing entertainment to Tech undergrads will not diminish. Taken from the ASCIT Constitution, the duties of the Commissioner are as follows: "The Rally Commissioner shall be a member of the Board of Directors. He shall preside over the Rally Commission which shall be the official commission entertainment committee of the ASCIT. Its duties shall be the organization and presentation of Thursday assemblies, rallies, student parades, and game preparations." Having had the opportunity and pleasure of serving you as president of the Thursday Frosh Lunch Club and Freshman Class Vice-President, I can assure you that I thoroughly enjoy this type of work.

If elected I will, of course, do my utmost to carry out the responsibilities of the office of Rally Commissioner in as fine a manner as possible. With the help of the Rally Commission, I would endeavor to provide Tech students with the best possible assemblies and rallies. In conclusion, I wish to express to you my sincere thanks for your consideration in this election.

Respectfully,
Kent Frewing

In choosing a Rally Commissioner, you, the student body, want a man capable of carrying the responsibility of the office. This responsibility shows itself in three principal areas: assemblies, rallies, and in sitting on the Board.

Because the previous office holder left at the end of third term, the assemblies have been neglected to a great extent. What is needed is a diverse program in which every member of ASCIT can find entertainment which interests him. The rallies this year have had a great show of spirit, and this is something the Rally Commissioner should be prepared to keep alive. While sitting on the Board, he must be a thoughtful, mature member of the group, who can visualize situations, understand information, and make sound decisions on the basis of what he has seen and heard.

In the future, I purpose to present a wide and varied program of assemblies, utilizing my connections in the Los Angeles area to provide the what you want while staying within the allotted ASCIT budget. I feel, that by working closely with the yell leader in providing bigger and better rallies, the spirit of the school may be raised above this year's all time high. Finally, I feel, that by working closely with the other members of the Board, the Rally Commission, and the people around me, that I can properly carry out the duties of the office.

If you see fit to elect me, I will try my best to serve your interests.

Don Owings

Three Second Rep candidates bombard public with erudite propoganda

A few times during the past months I've heard such phrases as "ASCIT first, house second," or, "house first, ASCIT second." This makes absolutely no sense to me. I have been, in my opinion, an enthusiastic member of my house. Does this make me less qualified to hold ASCIT office? No, I don't think so. I have been an enthusiastic house member because I am proud of my house, just as everyone here is proud of his own house. But also, I am very proud of the school as a whole, represented by ASCIT.

ASCIT, to me, is an irreplaceable part of Caltech, the unifying factor for the student body. I have been active in ASCIT affairs because I really believe in their importance. Now I would like to become more active by being elected Second Representative. This is a position that requires both the desire to do small, unglamorous tasks, and the ability to be an effective underclass representative on the Board of Directors. I believe that I could do a good job, and I know that I want to do the job.

Brad Efron

The Second Representative is often pictured as the waterboy of the ASCIT Board. While I consider his duties important and worthwhile I can see how this opinion arose. I certainly intend to fulfill this responsibility to the best of my ability, yet I want to make Second Representative more than just a waterboy.

I feel that the "Second Rep" should first and foremost demonstrate his willingness to serve in this position through constant enthusiasm—enthusiasm to pitch in when there's work to be done, enthusiasm to develop and execute new ideas, and enthusiasm to serve his fellow classmates as THEIR representative. By his willingness to accept new ideas the Second Representative can help make ASCIT more meaningful to the student body, and provoke greater interest in student government. This should stimulate a renewed school spirit and make Caltech more than just a first-rate factory for turning out scientists and engineers.

Certainly an office with these responsibilities demands an able candidate. The Second Representative should have the fol-

What's in a name? By the most strict definition, the name, The California Institute of Technology, means a school for the study of science and engineering. But, in the short space of five months, it has come to mean more than that to me. When someone asks me, "Where do you go to college?", it is with pride that I answer, "Caltech." This pride originates not only from the almost intangible feeling of being part of such a great institution; but also from the concrete knowledge of the many friends I have made already and those that will be made in the

future. These facts have built within me a desire to become a more integral part of one of the most important influences on life here, The Associated Students of the California Institute of Technology. Being a member of the Board of Directors of ASCIT, and being your Second Representative would give me the opportunity to serve you, and to assist your other officers by helping to lighten their loads. Having the chance would please me very much; for I could then render to you and the school the services which I have come to owe.

lowing qualifications:

1. He should, of course, tackle this job with untrifling enthusiasm.
2. He should have instinctive leadership qualities.
3. He should have previous experience in student government, enabling him to develop his ideas effectively.

You should get to know all the candidates—only then can you be certain that you have elected a "first-stringer"—not a waterboy.

Leo Hood

As far as qualifications go, almost every student here could supply enough to make him more than adequately suitable for the job, however, I believe, when you vote, you should consider more seriously that anything else, the candidate's desire to serve you. It is my sincere wish that I have been able to impress upon you my true feelings in this regard. Therefore, if I have succeeded in doing this, and if you will give me your support, I will try to do the job correctly.

Jerry Siegel

Sticklers!



YOU'RE STRANDED high on a peak in the Andes. Wind's rising. Thermometer's dropping. And the next llama for Lima leaves in 7 days. You reach for a Lucky... try every pocket... but you're fresh out. Brother, you're in for a *Bleak Week!* No cigarette anywhere can match the taste of a Lucky. A Lucky is all cigarette... nothing but fine, mild, good-tasting tobacco that's **TOASTED** to taste even better. Try one right now. You'll say it's the **best-tasting cigarette you ever smoked!**



DON'T JUST STAND THERE... STICKLE! MAKE \$25

Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (No drawings, please!) We'll shell out \$25 for all we use—and for hundreds that never see print. So send stacks of 'em with your name, address, college and class to Happy-Joe-Lucky, Box 67A, Mount Vernon, N. Y.

Luckies Taste Better

"IT'S TOASTED" TO TASTE BETTER... CLEANER, FRESHER, SMOOTHER!

WHAT IS A CONCERTED BOXER?

D. L. UBERBERGER, Smug Pug
S. OF CHICAGO

WHAT IS A TONGUE OUT'S BREAKFAST?

JOSEPH BLANDON, Yegg's Eggs
DAVIS UNIVERSITY

WHAT IS A SODA FOUNTAIN?

PAUL LIOS, Caloria Gallery
S. OF SOUTHERN CAL.

WHAT IS FAKE FEROCITY?

VIRGINIA ROUSSEAU, Stage Rage
MICHIGAN STATE

WHAT IS A PUGNACIOUS FORTUNETELLER?

GARTH BATE, Flatic Mystic
C.C.C.F.

WHAT IS A COLLEGE FACULTY ROOM?

A. FERDIE EUBANK, Mentor Center
OREGON

WHAT IS A SHORT ARGUMENT?

DANIEL CONSTANT, Brief Bed
PARIS BONICA CITY COLL.

Kuli-Linson vie with Conneally-Smith for Business Managers of Caltech yearbook

The Business Manager of the Big T is responsible for the financial management of your annual. This job can be divided into three main parts: selling advertisements, budget of all expenses connected with the Big T and periodically submit a financial report to the Board of Directors and selecting and contracting for a publisher.

We know what the job entails and have tried to outline it to you. A great deal of work is involved and we are ready and willing to begin that work. The job requires cooperation and the ability to organize. In the past year we have participated in many campus and house activities and have thus acquired the

The Big T for 1956 cost \$6,600, of which \$3,325 came from the sales of advertising. ASCIT must make up the deficit. On the other hand, due to a change in the By-Laws, starting in 1958 ASCIT will receive one-half of all profits. A good job by competent, industrious people would mean that ASCIT would receive additional funds to use on other activities.

necessary attributes to fulfill the requirements of office. We also have the interest and enthusiasm necessary for an extra-curricular job of this type. We would appreciate your vote and would strive to repay you for it by doing a good job.

Dennis Kuli
Lewis Linson

Last year each of us spent more time on outside work and research projects than would be necessary to do a very creditable job of managing the Big T. Thus we would have time to devote to the job. We have been roommates for three years, so we can cooperate efficiently and operate as a team. We have both the interest and desire or we would not be running. If you also think we would do a good job on your Big T, please give Pete Smith and Martin Conneally your vote on election day.

Pete Smith
Martin Conneally

Gospe unopposed for office of Head Yell Leader for next year

An ASCIT Head Yell Leader carries many responsibilities, the most important of these being promotion of spirit among grandstand rooters and carrying this spirit to the men on the field.

Although most people have spirit, it remains inactive or is emitted to an extreme, unless a catalyst establishes itself. (Ed note: Huh?) I propose that both results, muteness and boisterousness, do more harm than good in the maintaining of a high morale in the rooting section and field. To those concerned the former brings a feeling of alienation, the latter presents a feeling of condemnation.

I have said that a catalyst is necessary in order to bring about a successful result to this

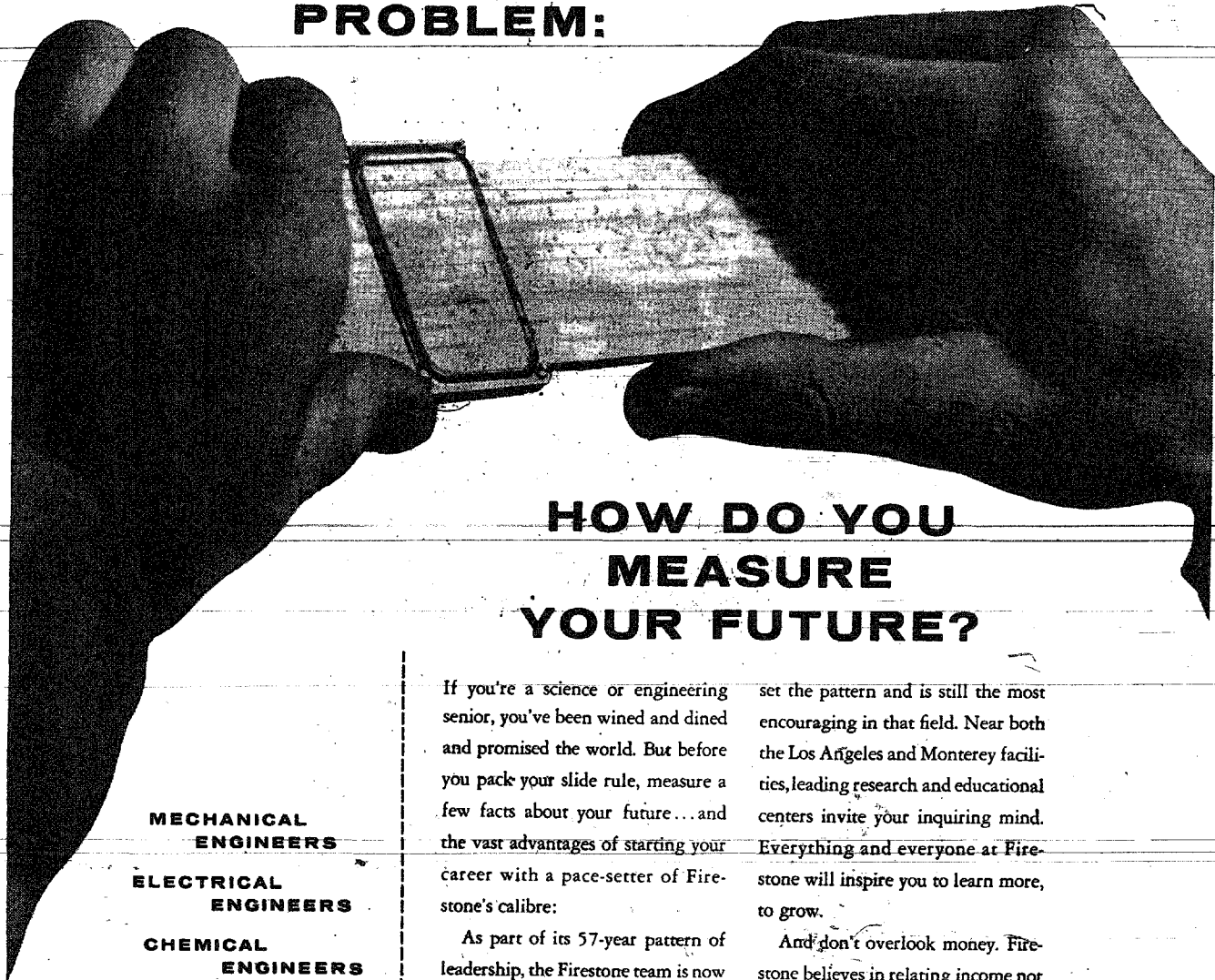
situation. Such a catalyst is a qualified yell leader. I define such a person as one who is able to wield his influence over a group of persons in such a way as to obtain a maximum amount of spirit from a maximum number of persons.

I shall not go into detail concerning my own personal qualifications. If I did not feel myself entirely qualified for this position, I definitely would not have accepted the nomination.

I would like to state one more fact before closing this letter: I have knowledge of a large—and at present—untapped source of BEAUTIFUL college girls from whom to choose next year's Cheer Leaders.

Sincerely yours,
Michael Gospe

PROBLEM:



HOW DO YOU MEASURE YOUR FUTURE?

- MECHANICAL ENGINEERS
- ELECTRICAL ENGINEERS
- CHEMICAL ENGINEERS
- METALLURGICAL ENGINEERS
- PHYSICISTS

If you're a science or engineering senior, you've been wined and dined and promised the world. But before you pack your slide rule, measure a few facts about your future... and the vast advantages of starting your career with a pace-setter of Firestone's calibre:

As part of its 57-year pattern of leadership, the Firestone team is now carrying forward the Army's vital program for the "Corporal." That kind of brilliant pioneering can make your future exciting, challenging, prestige-packed.

As for educational growth, Firestone's tuition reimbursement plan

set the pattern and is still the most encouraging in that field. Near both the Los Angeles and Monterey facilities, leading research and educational centers invite your inquiring mind. Everything and everyone at Firestone will inspire you to learn more, to grow.

And don't overlook money. Firestone believes in relating income not only to a man's present value but also to his future potential. At its Guided Missile Division, you'll enjoy an income that will help you shape the setting of success so important in the career and the life of a rising engineer.

You are invited to meet the man from FIRESTONE, who will be here for personal interviews on February 20

Firestone

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RESEARCH • DEVELOPMENT • MANUFACTURE

Los Angeles • Monterey

WRITE: SCIENTIFIC STAFF DIRECTOR, LOS ANGELES 54, CALIF.