

CALIFORNIA TECH

California Institute of Technology

Volume LIV

Pasadena, California, Thursday, January 29, 1953

No. 14

Frosh elect new officers Parker and Lindfors win

Run offs required for all the offices
as all but four Freshmen vote

Tom Parker was elected president of the freshman class for the second and third terms as a result of a runoff election between Bob Ryle and him last Thursday. Tom, a resident of Blacker and member of the freshman football and basketball teams, will succeed Dave King, first term prexy.

Paul Lindfors, also of Blacker, will replace Fritz Trapnell as vice-president. Bill Purves, Dabney, was elected secretary. The first term's secretary, Fritz Benning, Blacker, was elected treasurer. Jim Ball, Fleming, received the office of athletic manager. Carl Marquis and Lyman Fretwell will serve on the Board of Control for the remainder of the year.

Statistics for frosh elections:

	1st Ballot	2nd Ballot
President—		
Bob Kausen	37	
Tom Parker	75	98
Bob Ryle	52	59
Vice-President—		
Jim Koontz	40	62
Chuck Lehman	23	
Paul Lindfors	67	91
Jerry Pixton	32	
Secretary—		
Jan Arps	39	
Van Bluemel	45	77
Jim Higgins	35	
Bill Purves	45	83
Treasurer—		
Fritz Benning	42	87
Howard Berg	30	
Tom Bergeman	42	71
Ernie Orphuls	15	
Barry Raleigh	33	
Athletic Manager—		
Jim Ball	49	85
Pete Finley	36	
Bill Sunblad	37	
Art Takido	42	76
Board of Control—		
Ross Brown	42	
Lyman Fretwell	77	105
Ted Johnson	63	100
Irwin Maltz	40	
Carl Marquis	70	108
Myron Szold	23	

Pistol team

A Caltech Pistol Team, sponsored by the AFROTC, is now being formed. All interested students, whether AFROTC or non-AFROTC, should contact Sam Phillips at Ricketts 19.

Big T pictures

(1) All seniors who have not had their pictures taken for the Big T should appear, attired in coat, tie, and \$1.50, at any time from 2 to 6 P.M. on Thursday, Jan. 29 (today), in the student house game room.

(2) Anyone else who has not had his picture taken should appear also, attired as stated above.

(3) Anyone who has not received his proofs should appear also, as a number of pictures have to be retaken due to technical difficulties.

(4) Anyone who has not returned his proofs should do so immediately, to the Big T office.

Interviews for Stanford law

For seniors and others interested in the possibilities of attending Law School, particularly Stanford, after graduation from CIT, Professor Howard P. Allen, Assistant Dean of the Stanford Law School, will be on the campus for consultation Wednesday, February 18, 1953. He will be in Dean Eaton's office, 119 Throop, from 9:30 am.

To avoid congestion, it is suggested that appointments be made in advance with Miss Pond of this office, although it will be possible to see Professor Allen without prior appointment during the morning. He is especially interested in talking with students at Caltech who might be applying for scholarship aid at Stanford.

AF looking for seniors for cadets

An Aviation Cadet Selection Team from Flying Training Headquarters, Waco, Texas, will visit the campus on February 2, 3 and 4 to interview seniors as prospective cadets.

The team will be located in Dabney Lounge from 9:00 am to approximately 6:00 pm daily.

To qualify for selection as an aviation cadet, men must be between the ages of 19 and 26½, single, and have completed 60 semester hours of college work.

Eye requirements have been lowered recently for men entering observer training to 20/50. Veterans entering as cadets under the new program may immediately return to civilian status if they should be eliminated from training.

Aviation Cadet Selection Teams are under the jurisdiction of Flying Training Headquarters. They are charged with screening cadet applicants and are not connected with the Army Air Force Recruiting Service.

Members of the team which will visit Caltech campus are Major Armand Tremblay, Captain Charles Wiedman, and M/Sgt. Merle Rathburn.

Student Shop

All those who have submitted applications for Shop membership should show up at the Shop next Thursday with \$3 for initiation fee, dues, and deposit for a key.

Pit

The editors of PIT would like to determine if another issue should come out. In order to do so, they request that all those who wish to submit copy or to make comment place their contributions in the "P" box in any one of the houses or lower Throop by Monday, February 9, 1953.

Plans all set for new pool to be ready this fall

L shape will allow swimming, racing, diving, and water polo; night lighting

Preliminary plans for Caltech's new swimming pool have been completed and construction should begin during the spring. Present plans call for completion before the beginning of the fall term. The pool will be heated and will have its own filter and chlorination plant. It will be made of concrete, and will have a concrete deck, about twenty feet wide, surrounding it. It will be illuminated for night swimming. Located at the south end of the present Tournament Park parking lot, it will be surrounded by a ten-foot masonry wall which will act as a windbreak.

"L" shaped pool

The pool will be in the shape of an "L." The longer leg, which is forty-two feet by seventy-five feet, will be marked into six seven-foot racing lanes of length twenty-five yards. Its depth will vary between six and one-half feet to three and one-half feet. The shorter leg of the "L" will be forty feet by sixty feet and will be used for water-polo and diving. Its depth will vary between six and one-half feet to twelve feet under the diving board. There will be a removable barricade which can be used to block off one leg of the "L" from the rest of the pool.

Schedules for times of use of the pool have not been made yet and will not be until the pool is completed. The steel which was holding up starting of the pool has been allocated.

ROOT MEAN SQUARE

by Lewis and Haenggi

The return of Root Mean Square is hailed with great exuberance by the authors. The authors hope that the reader will join us. This week we asked, "Would you welcome a humor magazine similar to Stanford's 'Chapparel' at Caltech?" The authors' poll shows that students at the Institute are overwhelmingly in favor of such an addition to Tech. The results were:

Frosh	90%
Sophs	85%
Juniors	86%
Seniors	94%

When asked, "Would you be willing to pay four bits for a 'good-humor' magazine?" The results were as one might expect.

	Willing	Unwilling	Broke
Frosh	89%	11%	
Sophs	65%	29%	6%
Juniors	69%	31%	
Seniors	89%	11%	

By the theory of Root Mean Square we can conclude that the sophomore class is the stingiest and the least literary. Also this might be a profitable field for local talent and enterprise.

Ancient history

Two men who raided cars parked in Tournament Park on the night of January 7 were taken into custody last Thursday by the Pasadena Police. The pair, aged 22 and 27, ventured as far as Temple City and Alhambra in addition to local sorties. Several cars were stripped and several locked cars were broken into here, one student losing over \$300 worth of clothing and other items. Most of the loot has been recovered, but police are still hunting many things sold and given away by the culprits.

Fencing Club

A meeting of the Caltech Fencing Club was held Wednesday evening in the recreation room. An instructor was found by Jim Short of Blacker and instruction is now definitely offered to all interested. Meetings will be held in the recreation room every Wednesday evening at 7:30 from now on.

New lunch club started by the Y

One of the newest YMCA functions on campus is the Undergraduate Luncheon Forum. This group meets every Tuesday noon at the training table dining room to hear authorities speak on various religions.

Dr. Ross speaks

This week at the second meeting Dr. Ross, professor of comparative religions at USC, spoke on Buddhism. Dr. Ross will be here again in two weeks to speak on Confucianism.

The topic for next Tuesday will be Hinduism. If you are interested in learning about other religions, come to the training table at noon next Tuesday.

Oral reading club

Caltech students who want to increase their enjoyment of literature, develop their ability to read aloud, and make progress in speech improvement are invited to attend the next meeting of the Caltech Oral Reading Club next Tuesday night, February 3, at 7:30 in Dabney Hall 208.

The Oral Reading Club is set up to improve the average person's skill in communicating orally the various types of literature including short stories, plays, poetry, essays, and cuttings from novels. Students are trained for their own personal enjoyment and progress, and are also instructed in the techniques of presenting programs for audiences or radio programs if desired. Recently four Tech students, Jim Enright, Bob Ryle, Martin Roth, and Jim Short won certificates of excellence in Oral Interpretation at a speech events tournament at Santa Barbara.

While students taking part in the club may enter tournaments if they wish, they are not obliged to do so. Students who take part in the club are encouraged to make their own suggestions regarding the group.

Tech in regatta with USC & Cal

This Saturday at 1:00 pm the Caltech Sailing Club will play host to the racing teams of USC and Cal, rated as the second and third best teams of the nation, in a regatta at the Los Angeles Yacht Club. It will be the first time that Caltech's six new Glasscat dinghies have been used in a regatta. Each team will sail two of the boats in a series of four races over a triangular course in Los Angeles Harbor. The Caltech team will probably consist of Stan Ogden, Jim Wyman, Jan Arps, and Ross Brown, with Bill Wright heading the race committee.

Interview Schedule

THURS., JAN. 29 and FRI., Jan. 30—BS, MS, PhD/EE, ME, Ph, Ma. **International Business Machines.** Interviews will be for all Divisions—Research and Development Engineering, Sales, Manufacturing Engineering, and Applied Science.

FRI., JAN. 30—The B. F. Goodrich Co., Research Center, Brecksville, Ohio.

MON., FEB. 2—BS, MS, PhD/ME, EE, Ae, Ph, Ma. **Sperry Gyroscope Co.**, Great Neck, N.Y.

MON., FEB. 2 and TUES., FEB. 3—BS up/Ch, ChE. **Mallinckrodt Chemical Works**, St. Louis, Mo.

MON., FEB. 2 and TUES., FEB. 3—Procter & Gamble. BS, MS, Eng/ChE—Production, Research or Development. BS, MS/ME—Production, Research or Development. BS, MS/EE, CE—Production Management.

WED., FEB. 4, THURS., FEB. 5 and FRI., FEB. 6—BS up/ME, EE, CE; MS up/Ae, Ma, Ph. **Douglas Aircraft.** Citizenship necessary. Interested in BS/MEs going on for MS/Ae; also MS/Ae, ME, CE going on for more advanced degrees for Summer work.

MON., FEB. 8—BS/ME, EE. **Bailey Meter Co.**, Los Angeles, Calif.

TUES., AUG. 0—BS up/ME; MS/Engr/Ae. **USC—Aerodynamics Test Division**, Point Mugu. Citizenship necessary.

TUES., FEB. 10—Boeing Airplane Co. Group meeting 4:15 p.m., 109 Mudd. Film to be shown.

TUES., FEB. 10 and WED., FEB. 11—BS, MS/ChE; BS, MS, PhD/Ph, EE, Ch. **Technicolor Motion Picture Corp.**, Hollywood, Calif. Also opportunities for Summer work for men who will complete studies in June, 1954.

WED., FEB. 11—Ethyl Corp., New York. Interested in men for sales positions. Details later.

WED., FEB. 11 and THURS., FEB. 12—BS up/Ae, CE, EE, ME; MS/Ph, Ma. **Boeing Airplane Co.**, Seattle, Wash., and Wichita, Kan. Interviews.

THURS., FEB. 12 and FRI., FEB. 13—BS up/Ge, ME, EE, CE, ChE. **Shell Oil Company—Production Department.**

FRI., FEB. 13—MS, PhD/Ch. **National Lead Co.—Titanium Division**, South Amboy, N.J.

SPECIAL NOTICE

BS/ME, EE. **Helipot Corp.**, South Pasadena, Calif. Men interested in the possible employment at HELIPOT are asked to sign up in the Placement Office as soon as possible so that a visit to the plant may be arranged.

Campus Calendar

THURSDAY, JAN. 29—
12:00 YMCA Graduate-Faculty Luncheon Forum, Athenaeum
7:30 S.A.E. Meeting, 206 Engineering
FRIDAY, JAN. 30—
7:30 Friday Evening Demonstration Lecture, 201 Bridge
SATURDAY, JAN. 31—
6:45 Frosh Basketball vs. Oxy at PCC
8:15 Varsity Basketball vs. Oxy at

Secretary's report . . .

Nomination Procedure

Anyone who intends to run for an ASCIT office this term should present to John Gee or George Johnston his name, the office for which he intends to run, and the name of the man who is nominating him. This information should be submitted by February 5, if that is at all possible. The nomination assembly will be held at 11:00 on February 12, in Culbertson Hall.

For further details about the nominations and the duties of the offices, consult the **Little T.**

Late Classes

The Board of Directors will present to the Student Faculty Committee a recommendation concerning the occurrence of late classes. This recommendation will suggest that scheduling of classes ending later than 4:00 be discontinued. As the situation stand now, late classes, especially the A.F.R.O.T.C. drill hour, are interfering quite considerably with athletic practice.

Respectfully submitted,

George Johnston,
Secretary, ASCIT

Duties of ASCIT officers

First Representative

The main job of the First Representative is the ASCIT Dance held each term. Along with this he arranges open houses, exchanges, the Inter-Collegiate Council dance and the dancing class.

The First Representative is a member of the Board of Directors and also represents the student body at the Inter-Collegiate Council meetings which in-

cludes all the colleges in our conference.

The job of First Representative takes considerable time but it is very enjoyable. If you are interested in getting some good business experience and taking on the responsibility of the ASCIT social life, this is your job. If you want more information about the job and its duties be sure to come and see me.

—Bob Lynam

Second Representative
The Second Representative is
(Continued on Page 3)

LANE JEWELERS

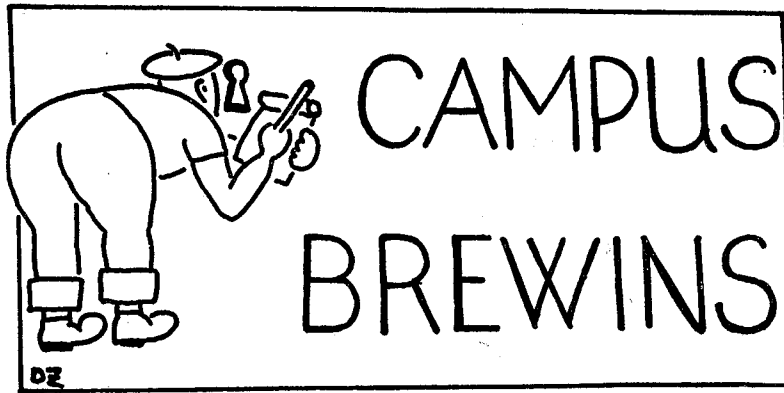
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Kangaroos can jump incredible. They have to jump, because they're edible. I myself could not eat a kangaroo, Altho many fine Australians do. Those with cookbooks, as well as boomerangs, Prefer him in tasty kangaroo meringues.

—Ogden Gnash.

* * *
Seems that one of the house presidents down in the south-east corner of the campus got himself fascinated with a local girl who is playing a part in the cast of "A Soldier's Wife" at the Penthouse Theater. Not knowing her name, address, telephone number, or measurements, he, in true Tech fashion, organized the BBI (comparable to one of our more prominent government agencies). For three days the teletype, telephone, and postal service did a thriving business, at the end of which time all kinds of interesting bits of information had been collected about the fair damsel. The wolf then gets on the horn with the gal, supposedly knowing nothing about her, and in the course of conversation asks her, "Since you haven't got a phone at your home, how can I get in touch with you? With an approach like that it's no wonder that he didn't get a date on the first try, but we hear that things are looking up now, so we're expecting big things in the near future. Keep your chin up, Reb.

When is Stainless not stainless? Not for long we think. He's now making a play for a girl in the local high school contingent (a real queen, we hear from unbiased sources). Too bad purity tests came last week. Not only that, but he goes and puts Tom Parker temporarily out of a job waiting the head table one night last week when Stan Wilkes brings a queen to dinner there. God save our youth!

Last weekend Alex Ozeroff said, "To hell with tradition, I'm an outdoor man." So he just snaps his fingers and whoof, Lynn Abbott, and Johnny Goetten move his furniture into the court. Sunday night, however, he threw in the sponge, saying that it wasn't conducive to study. He snapped his fingers again, but Goetten and Abbott sneered. They'd just contracted for a one-way trip. He's back in his room now, resigned to his fate.

Rumor hath it that John

Weisner has changed his option from physics to quick-change-artistry. He first appeared at last Friday's exchange attired in a conservative suit. In a split micro-second his sartorial accoutrement was supplemented by a green beret, only to be instantly replaced by an even more gone beret plus a pipe indistinguishable from a small funnel-shaped toilet. One of the young lovelies present was heard to say, "That's what I always expected to find at Caltech."

Congratulations, Luke Bogdanovic, we like a man who fulfills his wagers. A semidigested Tums (for the tummy) is at your disposal any time you want it.

Crying shame

Emerson, Wyman, Knapp, Bates, Gardner, Ryan, and Walker graced Ricketts dining room with the presence of their dinner-party dates last Friday night. The soiree was held in the wilds of the Palos Verdes Estates, at a location which is impossible to arrive at from Tech. Figgie was heard muttering soft curses under his breath as he splashed his fifth Collins of the evening on the floor. Mr. Ryan says, "A criminal waste."

* * *

The Beak, on his way to his customary Friday night retreat, an establishment well known to members of the extinct order of P.B.A.A., and called Jackson's by the general public, noticed a strange assortment of what on closer inspection turned out to be Darbs. Always eager for a good party and the associated liquid refreshments, the Beak observed several items worthy of note.

Yummy!

Most beautiful in attendance was the goddess escorted by Bob Pechacek. The Beak would have made off with her on the spot had it not been for the long and rather sharp sword which Bob carried.

It was not long before the Beak was accosted by Gorgeous Gladys, played to perfection by Phil Miller with the aid of two oranges. Despite Phil's efforts to the contrary, the oranges failed to keep the proper position.

Purity Pete isn't

Pete Finley, it seems, has at last found his own. His time at the party Friday was not lost, and speculation is high in Dabney as to what he has been doing since. You see, as late as Sunday there was still no report of his whereabouts.

We were indeed startled to round the corner of the room only to find Bob Pechacek's sis- (Continued on Page 6)

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California Tech

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MUSICAL SHORTS

by Stanley Grotch

Last Thursday I decided to take valuable time away from the studies of the single twitch and alchemy (the science of drying to constant weight) and spend a profitable evening at the Pasadena Home for the Aged (also known as the Pasadena Civic Auditorium). The occasion was the appearance of Britain's repayment for American loans, the distinguished pianist Cutnar Solomon (I now understand why he is called simply, Solomon).

After pulling our Rolls Royce out of T.P. we made our way slowly (my chauffeur forgot to release the emergency brake) to the P.C.A.

Mr. Solomon opened with a Bach Prelude and Fugue which in places sounded much too mechanistic. An improvement was shown with his fine interpretation of Schubert's Sonata in A minor, Op. 143. An even more remarkable advancement was displayed in his performance of Beethoven's "Les Adieux" Sonata. After intermission Solomon performed Chopin's four Ballades. During the better part of this period Mr. Solomon seemed to be navigating by radar. He seemed to continually look heavenward as if for some divine inspiration which fortunately seemed to accompany his interpretations.

Solomon seems to be endowed with a great wealth of talent. His interpretations give new insight into familiar compositions. His lack of technique appears to be his major drawback. He is certainly not immune to clinkers (he gave ample proof of that fact in the G minor Ballade).

After his three encores, modern compositions which balanced the regular program, we retired from the smoke-filled room into the smog-filled atmosphere and back into snake-filled Tech.

Piano enthusiasts will get another chance to see Solomon when he returns to Los Angeles on April 10, and again to Pasadena on April 11, both appearances as soloist with the L.A. Philharmonic Orchestra.

Saturday, January 31, the Metropolitan Opera Company (Continued on Page 4)

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Thursday, January 29

Friday, January 30

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SEC'S AT TECH

By Bernie Schweitzer and Tom Taussig

The lovely brunette adorning this week's paper is named Betty Mott.

Betty's is a familiar face to those Techmen who occasionally wander into the Alumni and Placement Office on the first floor of Throop. With a hand in just about everything that goes on in the office, especially interview arrangements, Betty is a pretty busy girl.

A native, Betty was born in Long Beach. Perhaps this accounts for her main hobby—swimming. At present, Betty goes swimming about twice each week. During 1951, however, she taught swimming for the Red Cross and YWCA, and during last summer she did the same at the Huntington Hotel. Betty became a Red Cross Lifesaver in 1948, one year before she graduated from PCC.



Her musical tastes are somewhat classical, with a preference for Tschaikovsky. In the literary field Betty also likes the classics, "but along with a liberal sprinkling of modern novels."

WAGGIN' WHEELS

On January 19, several thousand people converged on the Shrine Auditorium to view the 1953 Studebaker. The extravaganza started forty-five minutes behind schedule and contained neither a plot nor any interesting music. At 9:45, those who were awakened by the snores of the orchestra rushed to the convention hall to view the new automobile, the makers of which modestly admit it to be the best car in the world.

The engines are exactly the same as last year. The Champion is propelled by an eighty-

five horsepower in-line six. The larger motor is a 120 horsepower V-8.

The body has been changed considerably. The hood slopes downward towards the front, reminiscent of Italian cars. The grille is similar to last year's. The fender line is attractive, but it is carried into the front doors, giving them a bashed-in look.

Continued on Page 6)

DUTIES OF ASCIT

(Continued from Page 2)

electd, while a freshman, to represent the freshman and sophomore classes on the Board of Directors. The principal duties of the Second "Rep" are to keep an up-to-date calendar of campus activities on the bulletin board in lower Throop and in the California Tech, to do the buying for the student government, and to serve as a member of the Board of Directors, the Honor Point Committee, and the Student Faculty Relations Committee. The Students' Car Repair Lot is also his responsibility. It is an office that requires an "eager beaver."

—Ralph Miles

Athletic Manager

It is the duty of the Board of Directors to see that all matters of ASCIT interest are handled in the best possible manner. As a member of the board the Athletic Manager has a lot to say in the decisions, especially those concerned with the athletic policy. All the athletic awards are recommended to the board by him; in this capacity lies his greatest responsibility.

Also in the line of student representation the Athletic Manager is one of the four students on the Athletic Council which conducts Caltech's athletic program; he is a member of the

Student Faculty Relations Committee; and with two other Techmen he sits in on the Inter-College Council meetings.

For a short period in each term the Athletic Manager has it rough. In the first term it is his job to put on the Fall Awards Banquet. In the second term there is the Basketball Awards Assembly, and in the third term there is the big Awards Assembly. Combined with these is forever the task of getting the men measured and getting the awards distributed. Some day we'll find an outfit that serves us promptly and consistently, but until then this part of the job will be the big headache.

Yes, the job of Athletic Manager takes considerable time and thought; however, it is not a cut-and-dried job. There is always place for new ideas and improvements. Best of all it is a terrific way to meet the men both here at Tech and at the other schools in our conference.

—Moose Henderson

Publicity Manager

The Publicity Manager is the official source of all publicity and information on ASCIT activities given to the outside world.

In a large measure, the publicizing of ASCIT activities is left to the initiative of the man holding the office. Certain duties are defined, but the bulk of the work done is not specifically indicated.

Those duties which are de-

defined include seeing that scores of details of ASCIT athletic events are reported promptly to both the Pasadena and Los Angeles papers. The Publicity Manager is in charge of the bulletin board in Lower Throop. He also has charge of all photographic equipment owned by the ASCIT, and is responsible for all expenditures made for photographic work in connection with the publication of the Big T and the California Tech. Though the Publicity Manager is not responsible for on-campus publicity for student organizations, he has the responsibility of approving all posters placed on the campus, to make certain that nothing is posted which would tend to give visitors an unfavorable impression of Caltech.

The major portion of the Publicity Manager's undefined duties can be lumped under the heading of "cooperation with the Institute News Service Bureau." All student activities, social programs, student awards, and the like, must be reported to the News Service Bureau, so that they in turn may get out pre-writes, features, or reports to the students' hometown papers.

(Continued on Page 4)

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MUSIC SHORTS

(Continued from Page 2)

will broadcast Bizet's Carmen (KECA, 11:00 am).

Sunday, Omnibus (KNTT 1:30 pm) will present the the Metropolitan Opera's version of Strauss's Die Fliedermaus.

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DUTIES OF ASCIT

(Continued from Page 3)

The News Service Bureau has many projects, and the ASCIT Publicity Manager is expected to help whenever he can.

The most important job of the Publicity Manager, however, is as a member of the ASCIT Board of Directors. This is the major responsibility of the job. The part played by the Publicity Manager in deciding the corporation's business on the Board should be a primary consideration to anyone aspiring to this office.

—Bill Autrey

Treasurer

Receiving and disbursing ASCIT funds and keeping the books are the prime responsibilities of your ASCIT treasurer. Since he must pay all the

books, the treasurer must keep tabs on the many operations of your student body corporation. The annual budget exceeds \$10,000, which covers the many varied operations of ASCIT, which include athletic awards, ASCIT social functions, California Tech, Big T, to name only a few.

Even though the treasurer's term of office doesn't start until July 1, there are several things that must be done during third term. He must contact the Board members and Business Managers in order to obtain an estimate of their expenses and then, coupling these with his own estimate of income, propose a budget for the following year. The third term gives him a good chance to get together with the retiring Treasurer to familiarize

himself with the bookkeeping methods, so that he can take them over in the fall. Also he can learn much by observing the Board of Directors in action preparatory to becoming a voting member in September. The Treasurer is a student representative to the Student-Faculty Relations Committee.

Although it might be helpful, bookkeeping experience is not a prerequisite for running for the job, since this can be learned in a couple of sessions with the retiring Treasurer. The job does have several requirements, which are: common sense, good judgment, and a conscientious effort to keep the books up to date.

—George Moore

Secretary

The position of Secretary of the ASCIT is one which allows its holder to be informed on, and to participate in, many phases of campus activity.

Board of Directors

The Secretary is a voting member of the Board of Direc-

tors. In that capacity his specific task is to keep minutes of the meetings and to inform the student body of coming legislation and other pertinent matters affecting them. It is his responsibility, furthermore, to type all correspondence of the corporation.

Board of Control

The Secretary attends all meetings of the Board of Control as a non-voting member who enters into the discussions of that group. He is required to keep minutes of the Board meetings which are accessible only to him and to the Vice-President, who acts as Chairman of the Board of Control.

As is evident from the outline above, the ASCIT Secretary has a very interesting position. The membership he holds on ASCIT Boards gives him excellent opportunity to gain a first-hand knowledge of student activities.

—George Johnston

Vice-President

The office of Vice-President combines several specific duties with a few obscure ones. The Vice-President is chairman of the Board of Control, a member of the Board of Directors, head of the Consolidated Charities Drive and a member of the Honor Point Committee.

Heads Board of Control

The most important of all these duties is Chairman of the Board of Control. It is the Vice-President's job to do all he can to maintain the Honor System. He must investigate all reported violations or suspected violations of the Honor System. If evidence warrants a hearing, the V.P. must arrange a meeting of the Board of Control. During any hearing he must try to keep the proceedings running smoothly. Although a nonvoting member, he is still the most important man on the Board of Control.

As a member of the Board of Directors, the Vice-President represents the views of the student body as he sees them. It is his job to vote according to the best interests of the student body in general. If the President is absent, the Vice-President presides over the Board.

Because the Vice-President represents the student body, he is also a member of the Student-Faculty Relations Committee which meets once a month. At these meetings various problems common to faculty and students are discussed.

Charities drive

As Chairman of the Consolidated Charities Drive, the Vice-President finds his most time-consuming job. He must appoint chairmen and solicitors for this drive. He must arrange with the charities for literature. If time consumed was any indication, this should be his most important job, but it isn't.

Last but not least he is Chairman of the Honor Point Committee which decides who is to receive Honor Keys and Certificates.

This brief outline of duties can be supplemented by the **Little T**. I will be happy to talk to anyone interested in the job of Vice-President.

—Pat Fazio

President

Responsibility and representation are two words which will describe the many phases of the ASCIT Presidency. If you read the by-laws in your "Little T," you will find a formal and concise description of (Continued on Page 5)

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Production Supervision

Scientists who know both people and processes are needed to keep Du Pont's 71 plants humming



H. D. Tallman, B. S. in Industrial Administration, Yale '37, checks on product loading methods in Du Pont's Belle, West Va., synthetic urea plant.

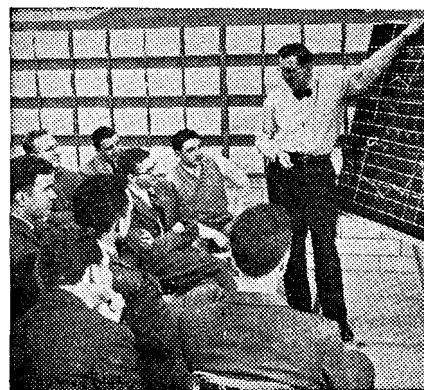
Keeping production rolling in a modern industrial plant is a job that appeals to men trained in many branches of science and engineering. If you are looking for opportunities in this field, you won't have to look far at Du Pont, where nearly half the entire technical force is assigned to production supervision.

To qualify, a man must have the ability to understand both the mechanical and chemical phases of production. In addition, he should be a good planner and, above all, have a knack for handling people.

The production supervisor—there are several levels at Du Pont—has

three important areas of responsibility. The first is to the men working for him. He must be able to appraise them skillfully and assign duties accordingly. He must train them not only in the efficient operation of equipment but in safe working practices as well.

A second responsibility is to the customer. He must get the product out on time and provide uniformly high quality at the lowest possible cost. When demand for a product is subject to rapid fluctuations, he must be prepared to make quick readjustments in the scheduling of both manpower and materials.



William Chelgren, B. S. in M. E., Armour Institute of Technology '38, explains quality control methods to a group of Du Pont production supervisors.

The supervisor's third responsibility is to the higher management. Here, again, quality and cost are important factors. He is expected to prepare forecasts, to justify unusual expenditures, and to suggest process improvements leading to greater yield and better quality at lower costs.

One of the toughest nuts a production supervisor has to crack is the scheduling of preventive maintenance for minimum interference with production. In some companies where products are turned out in small-unit operations, a program of breakdown maintenance suffices. At Du Pont, however, where large-unit operations are the rule, unscheduled downtime is costly and something to be avoided whenever possible.

Since it makes over 1200 products and product lines, Du Pont can offer to men interested in production supervision opportunities in many types of operations. In the next issue of the *Digest*, we will describe a specific production operation in one of our 71 plants.

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Oxy victory expected Tech goes to 'Dogs'

Redlands supremacy on home floor proves to be invincible

Caltech succumbed to a succession of bad breaks and whistles and lost its first casaba game with Redlands on the victors' floor. Sporting a potent fast break and a tough zone defense, U of R continued its surprising mastery of all comers on its home floor. The 'Dogs had previously beaten Whittier and even given Pasadena Nazarene a hard time.

Never a doubt

Although the final score was 56-47, at no time did Redlands appear to have the contest sewed up. Especially during the last half the point spread was from 4-6 points most of the time. The Bulldogs moved out to a lightning-fast lead in the first quarter, and held it for most of the half. At halftime the score read 35-25. Tech bounced back and at one point narrowed the score to within three points of the now-nervous 'Dogs. The third quarter ended 40-34 with the fans on the edge of their seats.

Breaks

Then early in the fourth quarter Tech got the one break which could give them the game. The Beavers had come within four points when Redlands lost the ball. Tech brought the ball down the floor and it went to Anson on the side. Fred started his fade-away shot, was fouled by two men, but walking was called. Redlands promptly took the ball back upcourt and scored a field goal and a free throw. Later, Redlands lost the ball twice in a row in very favorable circumstances. Tech, however, was unable to capitalize on these breaks. With three minutes to go two Techmen were out on fouls and one other had four each.

Anson's shot illegal?

Fred Anson, whose fade-away shot was whistled at for the first time in three years of league play, was high with fifteen. Fred also had four fouls, the fourth being called in the third quarter. Art Britt was second with ten. He fouled out in the last quarter. How Shanks had six, Chambers and Tyler each had five, and Smith bagged four. Bill fouled out at the half, and this was probably the one thing that beat Tech. He played a very good game but was subtly fouled many times. Close calling by the officials proved to be his downfall.

Injury jinx strikes

The injury jinx which has dogged Tech basketball since the season started, struck again last Saturday when a Redlands player collided with Rol Moody. The "hard luck kid" had his small left finger split at the joint and sat out the rest of the game. George Madson did not show because of the flu. Van Hoven is out for the season with a broken elbow. Eric Ward has not turned out this term be-

DUTIES OF ASCIT

(Continued from Page 4)

the duties that are an important part of this office. There is a very important relationship which the ASCIT President, or the president of any organization, must keep in mind: the president is the official representative of the student body of Caltech, and as president he is ultimately responsible for all official student body activities and for all activities that can in any way be construed to be student body activities.

The president has many specific duties and responsibilities, one of the most important being the chairmanship of the

Rol Moody hurt, out

Rol Moody, who was hurt in the hard-fought game against Redlands, is expected to be out of action for three weeks. Moody collided with a 'Dog and split his finger joint. His loss is expected to hurt the team severely, since his long shots are used to draw out tight defenses. Moody is the most accurate long-shot artist on the team. He lettered last year and has been alternating with Britt at guard this year.

cause of a weak wrist. Tyler and Anson recovered from injuries over the Christmas vacation.

Frosh lose

The despirited frosh lost their third in a row to Redlands frosh. The halftime score was 40-18 and the Bullpups coasted to a 55-39 win. Perhaps they can come back against Oxy this weekend, when they take on the Tigerbabes at Oxy. So far the league teams have been able to do what the nonleague teams have not done, that is—stop the potent scoring combo of Conley and Parker.

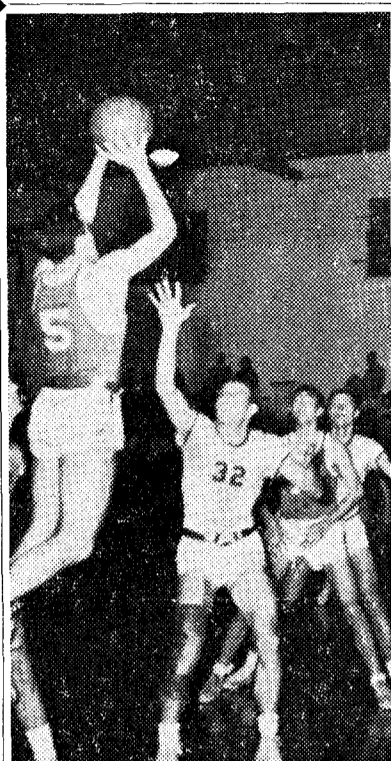
Take on Oxy

The varsity takes on Oxy at PCC in what might be the most exciting game of the year. Oxy has beaten Redlands but lost to Cal Poly, which has never given Tech much trouble. The game starts at 8:15 as the second game of a double bill involving Whittier and Pomona.

Board of Directors, which is the governing group of our student body government. In order to adequately discharge this responsibility it is very important that he be familiar with the functions of each member of the Board and of each member of the publications staffs. The president must have a thorough understanding of all of the work and activities sponsored by the ASCIT. Many unforeseen problems arise each year and only through the type of familiarity and understanding mentioned above can these problems be adequately handled by the president working with members of the Board of Directors and publications staffs.

The president is one of the nine members of the Board of Control. Here the president must assist in any way possible the chairmen of the Board of Control to maintain the Honor System as the live and cherished tradition that it is.

Besides membership on the Student-Faculty Relations Committee, the president must use considerable personal contact to fulfill the very important function of acting as liaison between the students and the faculty. Through close contact and cooperation with the deans and the faculty the president can greatly aid the solution of arising problems and conflicts which often result from misunderstanding on the part of faculty or stu-



Art Britt goes up high.

Tidbits by Turcotte

Although spring weather has not arrived yet, the spring sports have. While tennis is the only one having official workouts, players expressing interest in the other sports will have plenty of opportunity to work out. Informal baseball practice will start next Wednesday and will be held every Wednesday and Thursday at 2:00 until regular varsity practice starts Feb. 16.

Track

Trackmen who did not letter last year will get plenty of workouts in preparing for the Interhouse track meet to be held Feb. 14. Lettermen should be working out too although they cannot participate in the meet.

Golf

Colonel Small, Tech golf coach, recommends that all players interested in playing on the team should get out and start practicing as soon as possible. The first match will be held this term and with four returning lettermen a sharp team is expected.

dents.

As a guest at the monthly meetings of the Alumni Board of Directors the president is able to keep the Caltech Alumni Association and the student body in close contact with each other.

Official representation covers such activities as Students Day, Parents Day, welcoming frosh and transfers at the new student camp, and Inter-College Council meetings. These meetings and occasions may require speeches of welcome, or only attendance, but the responsibility is no less important. The opportunities for improving public relations are many and varied and should always be utilized.

The presidency has great potential for imagination and originality relating to the fields of ASCIT activities, and it is largely the choice and decision of the president as to which fields should be entered.

The many phases of this job have made it very interesting to me and I have enjoyed the work very much. If you are interested in running for ASCIT President or want to know more details, I will be very happy to answer any questions.

—John D. Gee



Interhouse Sports

Blacker cops I. H. tennis Darbs lead softball

by Benji and Nick

Blacker has successfully opened its second-term bid to gain the Interhouse Trophy lead by winning the tennis tournament Saturday. The challengers have narrowed the gap between themselves and the pace-setting Darbs to a meager six points. Dabney threatens to widen their lead, however, as they are presently undefeated in softball.

Results of the tennis tournament:

1st Singles — John Harding, Fleming.

2nd Singles — Al Poisner, Blacker.

3rd Singles — Walt Eager, Ricketts.

Doubles — Curt Johnson, Paul Langdon, Blacker.

Unofficial Standings

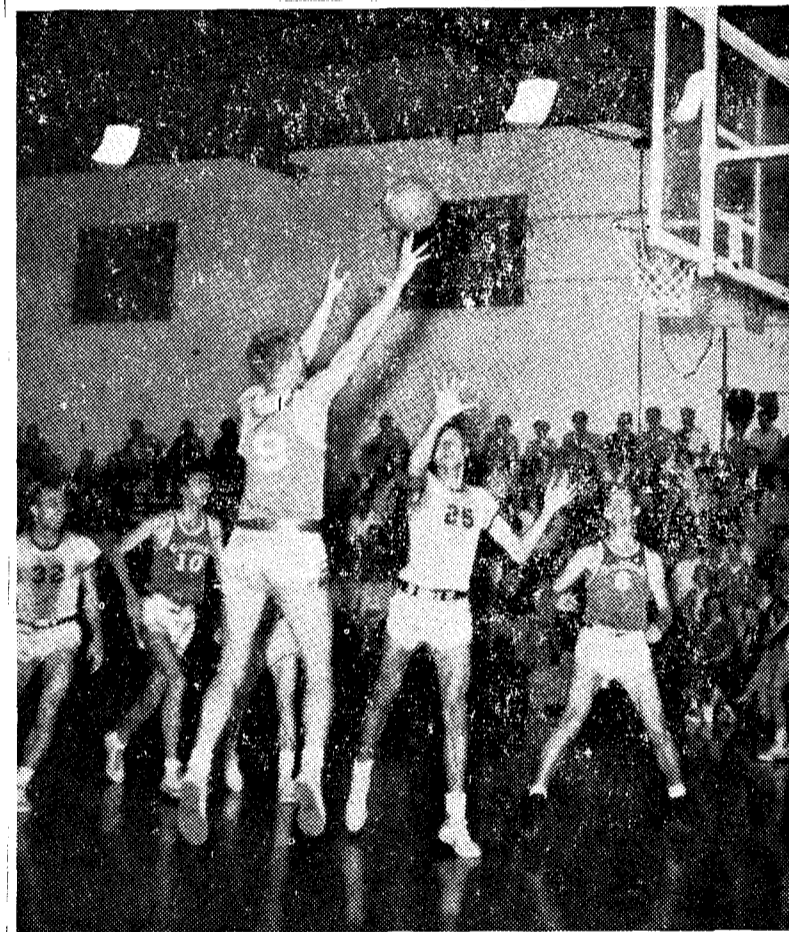
	Base ball	Cross-country	Basketball	Tennis	Tot.
Dabney	22½	15	20	7½	65
Blacker	10	9	25	15	59
Fleming	22½	6	10	7½	46
Ricketts	15	3	15	12	45
Throop	5	12	5	3	25

Remaining second-term events:

Softball — in progress, with Dabney a heavy favorite.

Track—Interhouse meet, Feb. 14; Fleming remains winter-book choice.

Swimmigng — March 3, 5; anybody's pick.



Smitty shoots from the corner as Anson (10) and Gee (6) follow

Tips-N-Tails

by Ralph Kehle

-FABULOUS, TERRIFIC, OUT OF THIS WORLD! These are but a few of the adjectives describing the skiing at Mammoth this last weekend. The snow was of a light dry type called powder. Imagine, real powder on a base of over 10 feet! There wasn't even a mogul to be found. When I arrived at the slopes, I spent a half hour trying to find the warming hut. Upon inquiry, Dave McCoy showed me a tunnel in the snow which proved to be the entry to the hut, which was completely buried. To complete this wonderful story, only 75 people were using the area.

Two weeks ago, the Dick Springer Memorial Race was held at Kratka Ridge. Dick was a student at Tech until his death in an automobile accident in 1950. I would like to see all ski enthusiasts at Tech enter this race next year as it would only

Tennis News

The Varsity and Frosh tennis squads are working out daily on the Tournament Park courts. Any frosh who is eager to play on this year's team should see Coach Lamb on the courts any Tuesday, Wednesday or Thursday after 3 pm.

All-school tennis ladder

Anyone in Caltech is eligible for the all-school tennis ladder. This includes Faculty, Graduate Students and undergraduates. See Coach Lamb at the Tournament Park Courts on Tuesday, Wednesday or Thursday after 3 pm to get your name on this ladder.

be fitting for one of us to win the Memorial Trophy.

The greatest of all ski meets will be held at Snow Valley on Feb. 15. It's a team match and the winner will take home a beautiful trophy. I'm speaking, of course, about the interhouse trophy competition. I would like to have all entrants register by leaving their name in Dabney 39.

New student house dining room rules

Item One—If your soup is so hot that it burns you, gargle it in the back of your throat for a while. This is much better than trying to hide it in your napkin, as some people do.

Item Two—If a bone sticks in your throat, don't try to cough it across the room. In a modest manner fish for it with your fork and above all don't make a fuss.

Item Three—If a piece of meat crawls off your plate, capture it as soon as possible and then gaily snap it across the table to your vis-a-vis. This will probably get a laugh and will make the meal quite merry.

Item Four—If you bite your tongue, don't rip out a bunch of cuss words. It isn't nice. Just let the said tongue hang out of the corner of your mouth for a few minutes until it has cooled off. In this delicate way you can inform people of your misfortune.

Item Five—If you get a spot on the tablecloth, absent-mindedly place a piece of bread over it, butter side down. The butter will keep the bread from slipping off the spot.

Item Six—If, during the meal, you have eaten so much that you really must unbutton something, ask to be excused and do it behind the door.

CAMPUS BREWINS

(Continued from Page 2)

ter hanging around John Waugh's neck, her feet a full foot and a half off the floor. We beat a hasty retreat, but not without noting that kibitzers Wallace and Ellett were on hand to keep the place respectable.

tsk, tsk!

LaTourette, still longing for the vineyards of the north has been observed in the steady company of a rather comely queen. Jim met her after dating her sister. The crisis came when Jim called up the gal and asked to talk to her sister. Jim asked little sister for a date but big sister was still listening on the extension. Jim is hereby nominated for "Heel of the Week."

Fleming Beak

A Fleming frosh went through a cross walk (complete with pedestrian) and was spotted by the little man on the motorcycle. One thing led to another, and the judge decided said frosh should pay \$25 or spend time in the clink. Rumor has it that he can't afford the \$25, so — He was referred to Moody for information on the accommodations in the L.A. city jail.

Popular opinion has it that Bill Davis will go over big in the meat packing business as a bull shipper.

Twitch

Spasm of the week: Bob Smith, standing on the bow of one of the sailing club's catboats, leaned the wrong way, the rail went under, Smith leaped for the dock, and there sat the poor grad student, firmly grasping the tiller, and up to his waist in water.

Jerk

Kidder had hot pants last week, courtesy of Emery. He can show you the hole to prove it, too. Emery was indicted for arson.

Pitton is one of these people who helps keep up the sailing club's boats by the sweat of his frau(lein).

Gehle is on a diet nowadays, and has to lose 25 pounds of fat to make a certain deal. Doing without seconds and thirds is killing big Ed off.

Haber now spends 12 hours a week in a dark and hot room with a 11' red light, circumcising oat seedlings. Fun, Al?

FROM THE GALLERY

If you haury, you can still spend a pleasant evening seeing "The Mikado" which closes at the Pasadena Playhouse this weekend. I must admit that I was slightly skeptical of this production due to an experience in high school, but my fears were unfounded. It was very good indeed! In fact, I can go so far as to say that it was some of the best Gilbert and Sullivan I've seen.

Nanki-Poo was played by Deane Tack the evening I attended and, though adenoidal, did the part justice. John Wood in the role of Pish-Tush exhibited a fine voice, and what is most important in Gilbert and Sullivan, he got his words out clearly. Pooh-Bah, the Lord High Everything but Executioner, was admirably played by A. E. Dinnage. His characterization was the very personification of

WAGGIN' WHEELS

(Continued from Page 4)

The rear is square, following the trend of most other manufacturers. The passenger compartment has more glass, but it sticks up

the proud but unscrupulous Pooh-Bah. As my companion said after the show—with so many parts to play he still doesn't get typed. Ko-Ko, Lord High Executioner, was more of a slapstick artist than the Ko-Ko's I have seen previously. Robert Dowty certainly enlivened the part.

Katishaw, the harriden engaged to Nanki Poo, was effectively ugly. You would not suspect that she was a beautiful, slim, blonde named Thelma Delp to see the sloppy, dark, toothless hag on stage. I must commend the directors of the Mikado on the magnificent business. The light touch so necessary to Gilbert and Sullivan was very much in evidence throughout the performance.

—Ron Cochran

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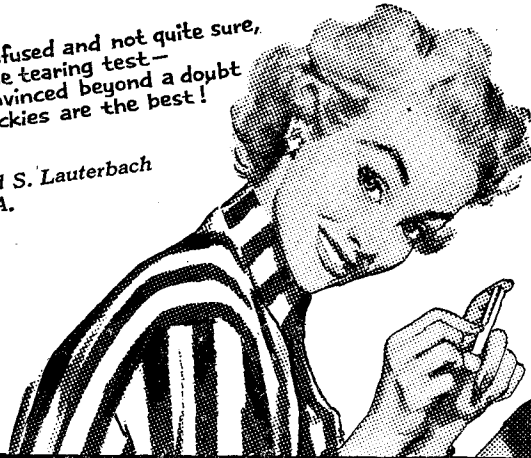
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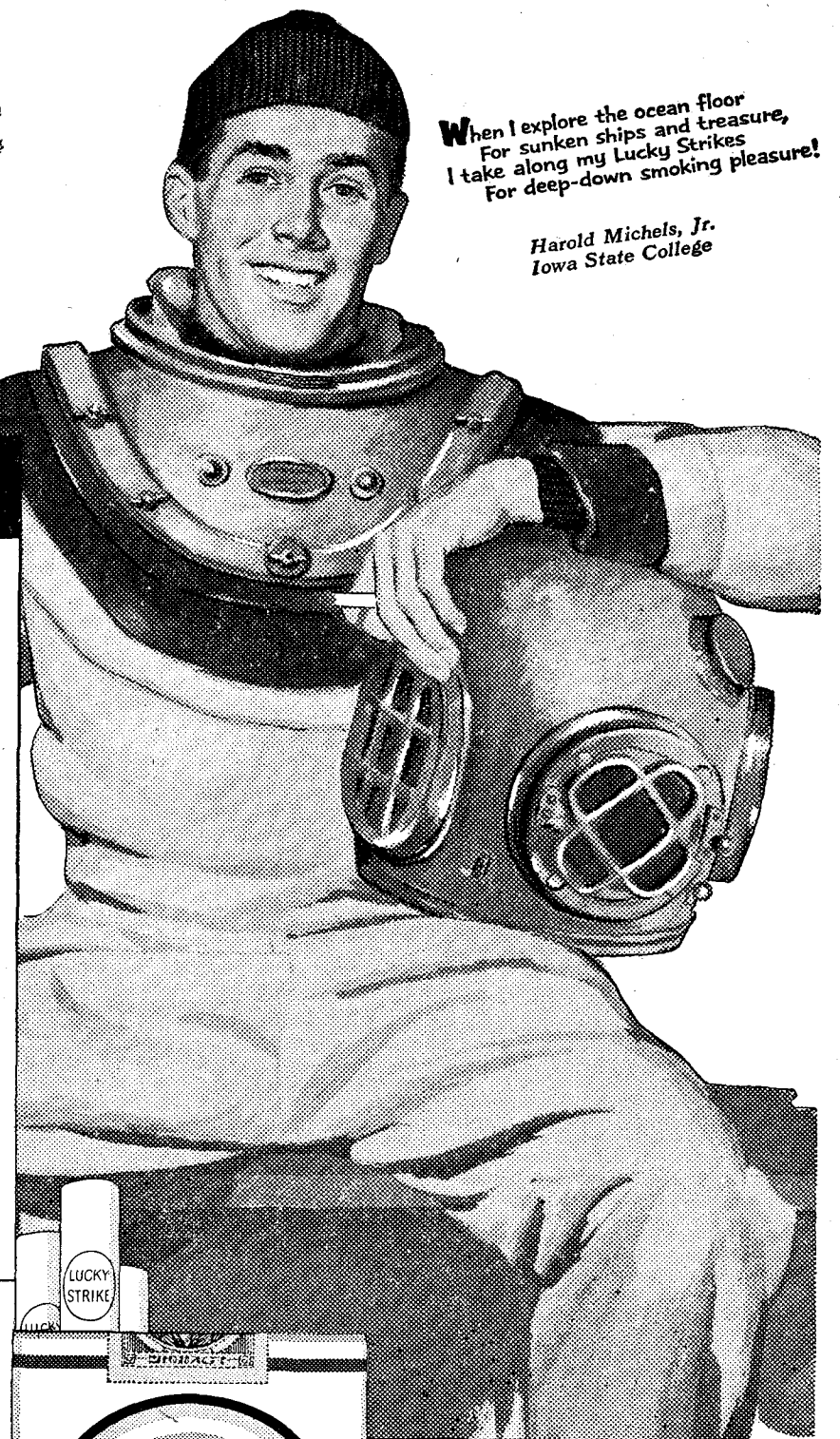
If you're confused and not quite sure,
Apply the tearing test—
You'll be convinced beyond a doubt
That Luckies are the best!

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When I explore the ocean floor
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Cleaner, Fresher, Smoother!

Ask yourself this question: Why do I smoke?

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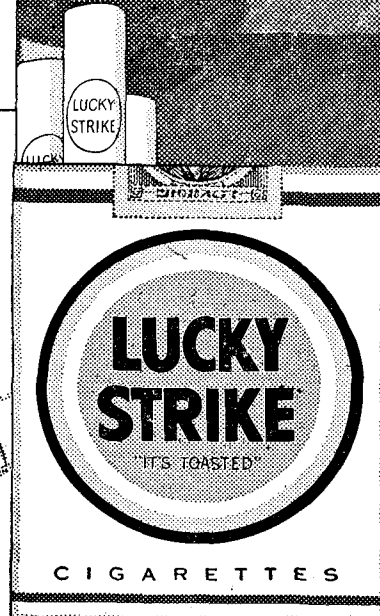
Luckies taste better—cleaner, fresher, smoother! Why? Luckies are made better to taste better. And, what's more, Luckies are made of fine tobacco. L.S./M.F.T.—Lucky Strike Means Fine Tobacco.

So, for the thing you want most in a cigarette... for better taste—for the cleaner, fresher, smoother taste of Lucky Strike...

Be Happy-**GO LUCKY!**

I've tried all kinds of cigarettes
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