New prof joins faculty; Lees to be here next fall

Princeton aeronautical engineering professor Will teach aeronautics, applied mechanics here

Caltech's Board of Trustees has appointed a new faculty member. Professor Lester Lees will teach next year as associate professor of aeronautics and applied mechanics. He is now associate professor of aeronautical engineering at Princeton University.

Professor Lees, now living in Pasadena, will officially join the faculty in July, though

he has been delivering lectures here about fluid mechanics since February. He was in charge of hypersonic fluid mechanics since fluid mechanic hypersonic and supersonic reis basis of search projects for six years at Princeton.

Research

Professor Lees has done re-earch on high speed and ultrasearch on high speed and ultrasonic speed flight and studied boundary layer, shock wave and aerodynamic heating problems. He has also studied propulsion with ramjets and intermittent jet engines.

Author and Coeditor

He is coeditor of "Laminar and Turbulent Flow," one of an eleven-volume series on highspeed flight and jet propulsion. The series will be published by Princeton University Press. He is either author or coauthor of nineteen other technical articles and publications.

MIT Graduate

A graduate of MIT, Professor tributor for each of his pictures Lees received his MS there in that hit the stands, and all ex-1941. He then served in the U.S. Air Force as aeronautical engineer at Wright Field, Dayton, O. While there, he built and tested a scale model of the Wright Field high speed wind tunnel, and conducted high speed flow

Here in 1942

In 1942 Professor Lees came to Caltech as a research fellow in aeronautics and instructor in mathematics. In 1944 he left to do research for the National Advisory Committee for Aeronautics. Under this committee, he worked on boundary layer and subsonic flow problems at Langley Field, Virginia. He then joined the Princeton faculty.

Varney, Feynmen to hold firesides

invited to Fireside chats by two members of our faculty. Dr. Wilbur Varney and Dr. Richard Feynman are hosts for the gettogethers intended to get stu- Dressing rooms are provided. dents and faculty acquainted in the atmosphere of a home.

Friday, May 8, Dr. Varney, popular professor of mechanical engineering, will open his home for the second in the series this term.

Dr. Richard Feynman, the world-renowned locksmith and theoretical physicist, will spin his yarns for the troops on May 22 at the Y residence.

Those going should register with Bob Tambling, Blacker, or John Bailey, Ricketts, or stop in the Y office.

> Only 34 Days Till HOT RIVET

> > Time . . .

Start writing, sports fans!

"Live Wire" to star Ryle; Robinson directs comedy Ticket sales start for production;

7 from Tech attend meet

27 to 29 at the 90th annual meeting of the National Academy of Sciences by seven men: President DuBridge, Professors Bacher, Badger, Epstein, Niemann, Pauling, and Robertson.

Dr. Badger and Dr. Niemann, both of whom were elected to membership last year, presented papers on research in which they have been engaged. Dr. Badger presented a paper by Hector Rubalcava and himself on "Spectroscopic Studies of the Association of Amides in Solution." Hector Rubalcava is presently a grad student at Caltech. Dr. Niemann reported on "The Interpretation of Kinetic Constants of Systems Involving a-Chymotryp-

The Mount Wilson and Palomar Observatories, operated by Caltech, were represented by Dr. Walter Baade and Dr. Horace Babcock, who presented papers on "Astronomical Identification of Radio Sources," and "Magnetic Fields of the Sun," respec-

SAY =

AMERIC

HALL

Performance coming on May 8, 9 Caltech was represented April Dr. Thurman to and 9, the Caltech Drama Club's

by Ray Orbach

Tech find themselves in a rather role, supported by Jim Kliegel, uncomfortable position religious- Jack Rocchio, Bill Kelly, Martin ly speaking. Since they are Roth, John Holland, Jerry Royce, taught to question most every Bob Ryan, Marvin Bienstock, thing, it provokes a rather un- Bill Barlow, Chef Beuf, Ross comfortable feeling when their Brown, and Ron Ratney in the



DR. THURMAN

the open.

Here, as a young man, the now, when he questions them, or 80 cents for Techmen. he can find no real reason for their existence. He is, in a sense, in a moral vacuum, caught un- the most thorough covering of prepared with any kind of de- the campus made since it was

a direction of action.

Broader Views

attempted to supersede the in- man, Chuck Bodeen, Al Pitton, dividual and thus force him to Sue Benietz, Bill McCormick, H. follow a dictated line. Instead, Dan Piper, Ed Gauss, Dave it has attempted to open the Brown, Pete Lehman, Mike broader views of life and its Boughton, and F. Curt Michel.

(Continued on Page 6)

◆ With little more than a week left until curtain time, May 8 production of Garson Kanin's present lectures "The Live Wire" is headed into its final rehearsals, and ticket selling is under way. The cast for the play has finally been se-Many of the students here at lected, with Bob Ryle in the title basic premonitions and moods male part of the cast.

Female Leads

Taking the sought-after female leads are Ingrid Cessna as Ursula, Jackie Pessin as Dorothy, and Barbara Brown as Liz.

The play is a comedy concerning the life of nine actors and the Live Wire in a quonset hut set up between two skyscrapers. It is being directed by Warren Robinson of the Pasadena Playhouse, assisted by Peter Dyne.

Active Publicity

Fast disappearance of tickets for the performances on May 8 and 9 is being encouraged by the publicity campaign put on by Bob Smith and his committee, who have placed ticket sellers in the Greasy and the bookare suddenly brought out into store, and sent out Norm Ellett, Dabney; Bernie Schweitzer, Ricketts; Chek Beuf, Blacker; Jim Tech student had accepted cer-Kliegel, Fleming; and Bob Profet, tain values to be absolute, but Throop, to peddle passes at \$1.20

The publicity campaign has resulted in what has been termed built. Posters advertising the The problem, then, is quite ob- play may be found in mail boxes, vious-to find his self . . . to plot on walls, and even in pay envelopes.

Contributing to this work have The Caltech "Y" has never been Jack Behnke, Dave Work-

> Prop man for the production is Sig Porter. In charge of building sets will be stage manager Phil Cramer. He is assisted by Bruce Rickborn and Hunt Holiday.

> ful place to get a good twelve hours of sleep.

At some unheard-of hour before the clocks start running, the boys in the yellow and red scrambled. Few were able to see the logic in standing around for an hour in the freezing Reno morning, but fortunately their jaws froze quickly and they were on the road again before they had a chance to protest.

Another short day followed, marked only by bloodshot eyes the tourists "Sagebrush is free —take home a trunkful."

(Continued on Page 4)

Lost Weekend

The dress Friday night will be suits for the fellows and party dresess for their dates. The fellows dates should pack lunches for the noon meal on Saturday. If your date is staying in the Student Houses, box lunches should be ordered. The food for the wiener roast is being sup-Caltech undergrads have been the wiener roast is being supplied by the ASCIT. Two changes of clothing should be brought, one for the day's activities, and the other for evening dancing. dance.

Enginereing and Science, the

alumni magazine, has declared

open season on all photographs

taken by Techmen about campus

life. The editors have decided

that the students should be giv-

en a chance to show what they

think life at Tech is really like

in next month's issue of the

Due Monday

Ed Hutchings, 400 Throop, be-

fore next Monday. If the prints are not 8 by 10 the negatives

should also be included. Five

dollars will be paid to the con-

(Continued on Page 6)

All picture should be given to

magazine.

Schedule

12:00— 6:00—Girls staying on campus arrive at Tech. 6:30— 7:00—Dinner in the student houses. The student houses in Dabney Lounge, Keith Williams' orchestra, party dress. -Girls staying in the student houses must be in. 9:00-10:00-

SATURDAY 7:15- 9:00-Breakfast in the

11:00-

student houses.

-Couples begin to arrive at Balboa. Beach party at Balboa. Beach party begins. -Swimming, sunning, sailing, volleyball, etc. -Wiener roast on the beach (Bring your ukes, harmonics, etc.) -Change to informal dress. 11:00--- 6:00-8:00-8:30-

dress.
8:30—12:00—Dancing at clubhouse on beach, Marshall Cram's orchestra. be in.

latest in lurid space helmets belts and innards of the space of the more conscientious, who brunch stop nine hours later. were snaking it up for the wrist-Most rolled over, kicked their

"You are our eyes"—those ever the eyes of the AAA were were the key words at the final warming up. Every epsilon that the phones began to ring and briefing of 54 red, yellow and the mach meter crept over the blue uniformed space cadets as speed limit was carefully rethey prepared to blast off for corded. Despite the two-wheels-Sun Valley equipped with the on-the-curves-driving, the safety (built-in earmuffs, too!) A few patrol made it intact to the first

Not long afterwards Reno realand entertained with the best. signs on the desert that informed

Campus Calendar

Observer space cadets Dressing rooms are provided. Everyone must change for the wine and dine on the run

watch prizes, pried their eyelids the AAA were in good shape. thing about "You take over."

of the space fleet was launched chines, gaming tables, and the amid loud cheers. By now, how sights, all found Reno a delight-

ized that something was happenapart to make sure the eyes of ing, considering the tremendous influx of signatures and meal that had been glued to mach coupons that poured in. The meters, road signs, and other partners and muttered some Tech crew were wined, dined run cars besides entertaining At 0:00, the zero hour, the first What with floor shows, slot ma-

Thanks .

Although the Techmen who went along on last week's Mobilgas Economy Run are certainly a minority here at Tech, we would like to express Caltech's appreciation for the privilege of having its students chosen as observers for this yearly event. Particularly on behalf of the men who went we extend a million thanks to the General Petroleum Corporation and the American Automobile Association for an enjoyable week.

From the observers sincere thanks go to General Petroleum for sponsoring the run, choosing us as observers and providing first-class treatment from Los Angeles to Sun Valley. To the AAA must go special appreciation for the fine cooperation observers received in connection with Operation Watchdog. Lastly, many thanks should go to Dr. DuBridge and the faculty for letting so many men skip out for α week.

Finally the dream of all California Tech editors has at last come true. The moment has arrived when the editors can take a week's vacation and the **Tech** will come out as usual, no—not as usual, but better than usual. To the entire Tech staff the senior editors say—thanks, for a good job. To our editors: Lyman Fretwell, Tom Bergeman, Chek Beuf, George Patraw, and Don Turcotte we add a double note of confidence.

The Complete Automotive Service PINK WORTMAN & SON AUTOMOTIVE SERVICE

PARTS DEPARTMENT OPEN WEEKDAYS 8 A.M. to 10 P.M. SUNDAYS-8 A.M. to 6 P.M. 2717 E. Colorado SY. 6-1990 PASADENA

Widest Selection CLASSICAL **RECORDS**

140 West Main AT 1-1511

IN PASADENA 927 E. Colorado SY 6-2628

Open Friday till Nine

Campus Brewins

just which one of those enter- the hall muttering, "They don't prising drama club boys in- do things like this in the Ivy stalled "Live Wire" publicity League." signs in the powder rooms of all the campus buildings. Seems like the boys want to provide ally does not serve obituary noevery secretary at Tech with tices, we feel that it is our duty some after-breakfast reading.

Royal

This week, the Beak proudly presents the "Shaft of the Week" trophy to Dick Jaffe. Having Luciano once said, "Win a few, supposedly obtained a date with lose a few." hyper-queen from U.C.L.A., and spending all week making fantastic preparations for Friday night, Dick called up his date to let her know what time trade of auctioning off northern he was picking her up. This was only 19 hours before the date. After he had told her the time. she replied: "Oh, Dickie, I forgot to tell you that I'm going to Palm Springs with my mommy this weekend. You're not mad

CALIFORNIA PHARMACY

THE REXALL STORE

Prescriptions - Drugs - Fountain California, at Lake SYcamore 2-6222

| are you?" Dick spent the rest The Beak would like to know of the night pacing up and down

Parting is such sweet—

Even though this column usuto repor tthe forthcoming marriage of one Mike Michelson. We're sorry to see it happen to such a nice guy, but as Lucky

-sorrow

Mr. Robert Minot Kausen is reported to have gone into business to pay his tuition. This Calif. lovelies for the Lost Weekend seems to be paying dividends; high bidders (at latest stock market returns) for the four Sacramento queens are operators Wallace, Finley, Lehman, and Dick Johnson.

No Comment

Last Saturday renowned philosopher Ralph Miles was expounding a great length (and with considerable relish) his theories of life. Chief point: how to become a successful engineer. Solution: (1) go to Tech (choke!)

California Tech

Published every Thursday during the college year except during examinations and holiday periods.

California Institute of Technology 1201 East California Street, Pasadena, Cal. Subscription rates: \$1.50 per year.

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

Offices: Lower Fleming

Member

Associated Collegiate Press

Editors-in-Chief-John Wall and Jim Crosby

EDITORIAL STAFF

Managing EditorLyman Fretwell Assistant News Editors.....Gordon Reiter, Al Joncich

News Staff..Gary Boyd, Darrell Fleischmann, John Young, John Lansingh, Dave Cantor, Howard Berg

Howard Berg Feature Editor.....Tom Bergeman Assistant Feature Editor......Ted Mathes
Feature Staff...John Dresser, Walt Haenggi,
Jim Robbins, Stan Groach, Walt Lee,
Hunt Small, Chuck Benjamin,
Dave Allen

Sports Editors......George Patraw,
Don Turcotte

Sports Staff.......Al Nicholson, Bill Kelly, Benji Rosen, Don Emerson, Ralph Kehle, Al Haire, Gil Beebower

BUSINESS STAFF

Business ManagerChuck Benjamin Circulation Manager......George Johnston

and (2) marry a rich woman. This dissertation inspired wellknown lover Tiger Mandl to speak. "Duh, yep," quoth he, "I've been working on that myself. Not at going to Tech, that is, but at marrying a rich girl." Your Beak would like to take this opportunity to offer \$5 (five (count them, five (5) for any photographic evidence (unretouched) showing Tiger with any rich female under the age of 45, and \$2 (etc.) for any of same showing same with ANY form of same.

Ancient History

Blacker's Wednesday night PCC Exchange met with much approval from the assembled ASCIT turnout, the local queens even managing to lure some Neanderthals from the surrounding hillsides, much to the distaste of the Cro Mognons gathered for the occasion. Earl (Madman) Jacobs was seen inviting the largest of the gentry (?) to exit from the steps of the loungeand getting his desires fulfilled! The dance broke up at 10:30 as the interlopers disappeared down the Ivy walk.

Nature Boys

The Saturday night Hay Ride and Meadow Dance was keynoted with anti-sociality to such a degree (refer to Enright for de-

(Continued on Page 3)



He always drops in for our Whiskey Sours with Angostura*?

*P.S. Without Angostura to marry the flavors, it's not a Whiskey Sour - and that's true of many another cocktail, too! Angostura is the dash you put in - to make the flavor come out!

O A. T. Ca



CIGARETTES

PRODUCT OF The American Tobacco-Company AMERICA'S LEADING MANUFACTURER OF CIGARETTES

From the Grads:

Was NBS head fired justly?

by Blihu Goldish

The controversy that startled American scientists a few weeks ago when Commerce Secretary Weeks fired Bureau of Standards director Astin may be stale news to many, but there are some aspects of the case which, although not widely publicized, may still be some of interest.

It will be recalled that Dr. Astin was fired when it was revealed that the Bureau had condemned a battery additive which was later qualifiedly approved by other testing labs, including M.I.T. The firing raised the question of the poltical influence in this scientific organization.

Almost all newspaper editorial opinion sided with Dr. Astin.

A holdout from the popular indignation was Newsweek magazine. As far back as 1950, this publication printed a "success" story on the manufacturer of the disputed battery additive, and quoted five glowing testimonials. Later articles appeared to picture the case as one of big government vs. little business.

Sheaffer's Part

Drew Pearson alleges that Under Secretary Sheaffer (who appears to have handled the details of the firing) is head of the Sheaffer Pen Co., which had a run-in in 1946 with the Federal Trade Commission and the National Bureau of Standards over a "life-time" pen guarantee. Pearson further says that Sheaffer became miffed over his treatment from N.B.S. and told friend that one of his first acts in the Commerce Department would be to "shake up" the Bureau of Standards.

A few quotations from the official testimony before the Senate Committee on Small Business may prove of interest.

Senator Thye: "Secretary Weeks, the thing that concerns me is this; the Bureau of Standards had not run a scientific test on this product when they condemned it . . . They said it was just another of the so-called additives which proved to be of no use or value in the life of the battery."

Mr. Sheaffer replied for Secretary Weeks that the tests were not in accordance with the manufacturer's specifications.

Later: Senator Hunt: "Don't you think it is going a little far to discharge a man like Dr. Condon over an incident of this

Mr. Sheaffer: "It is Dr. Astin."

Caltech Pharmacy

PRESCRIPTIONS Dependable Registered Pharmacists FOUNTAIN BREAKFAST, LUNCH, DINNER 882 East California Street SYcamore 2-2101 Pasadena 1. California



Senator Hunt: "I thought it | mistake. He may have done a | BREWINS was Dr. Condon."

Secretary Weeks: "Dr. Condon retired several years ago."

Senator Hunt: "Regardless of who the personality may be, I think it is getting a little tough to ask the man because of one million things that were right."

For those who wish to pursue the case further, the Public Affairs Room in Dabney Hall has an extensive file of newspaper and magazine clippings.

(Continued from Page 2)

tails) that, in the end, everyone stalked away to seclusion in various points throughout Santa Anita Canyon, leaving a bare landscape until just as the truck was ready to leave. The scattered hayriders were enter-

tained during their stay by happy shouts of joy from some newly arrived personage (noncaltechian) who was advertising some sort of necking party, but, shocked at the very thought, all ignored him.



If you can make the grade, you can fly the latest, hottest, fanciest jobs in the air and do it within one year.

TAKES a good, tough, serious guy to wear the gear of an Aviation Cadet. But if you can measure up, here's your chance to get the finest in aviation training—training that equips you to fly the most modern airplanes in the world and prepares you for responsible executive positions, both in military and commercial aviation.

It won't be easy! Training discipline for Aviation Cadets is rigid. You'll work hard, study hard, play hard—especially for the first few weeks. But when it's over, you'll be a prowith a career ahead of you that will take you as far as you want to go. You graduate as a 2nd Lieutenant in the Air Force, with pay of \$5,300.00 a year. And this is only the beginning-your opportunities for advancement are unlimited.

ARE YOU ELIGIBLE? To qualify as an Aviation Cadet, you must have completed at least two years of college. This is a minimum requirement-it's best if you stay in school and graduate! In addition, you must be between 19 and 261/2 years, unmarried, and in good physical condition.

YOU CAN CHOOSE BETWEEN PILOT OR AIRCRAFT OBSERVER

If you choose to be an Aircraft Observer, your training will be in Navigation, Bombardment, Radar Operation or Aircraft Performance Engineering.

New Aviation Cadet Training Classes Begin Every Few Weeks!

HERE'S WHAT TO DO:

- Take a transcript of your college credits and a copy of your birth certificate to your nearest Air Force Base or Recruiting Station. Fill out the application they give you.
- If application is accepted, the Air Force will arrange for you to take a physical examination at government expense.

Where to get more details:

Visit your nearest Air Force Base or Air Force Recruiting Officer. Or write to: Aviation Cadet, Headquarters, U. S. Air Force, Washington 25, D. C.

- 3. Next, you will be given a written and manual aptitude test.
 - If you pass your physical and other tests, you will be scheduled for an Aviation Cadet training class. The Selective Service Act allows you a four-month deferment while waiting class assignment.



OBSERVER SPACE CADETS (Continued from Page 1)

All arrived in Boise for the night safe and sound. In fact, all left Boise the next morning safe and sound. Some are temptsidewalks that roll up at eight don't bother to attend. in the evening (a slightly im-

54 as a town with an expert on engineering—a town with a junior college where the women ar-

The day and a half at the re-

at the Mobilgas Mileage Banquet, noticeably missed the trout.

proved version of the concrete sort was spent largely in eating boarded Slo-mo-shun I for the ways in Pasadena). Boise will and quaffing cocktails with short haul back to Tech. The train only be remembered by the brave interludes on lazy bike trips and went two feet back for every chair lift rides. Most enjoyed the three it jerked ahead, but nevtrout served Thursday evening ertheless 28 scheduled stops, 10 flag stops, 46 whistle stops, and ed to attribute this to the unique rivé early for eight o'clocks, but although there were some who n extra stops later Slo-mo-shun I made it into L.A. with the At midnight the space patrol brave 54.

Gadsbodikins!

Intertesting old lady, questioning a model:

"Do you mean to say that you pose for a man with no clothes

"Heans. No! He wears pants and everything."

Who got the most from our customer's dollar?





The employees?

NO! In wages, salaries and benefits, our employees received 1434¢ out of every dollar paid in by Union Oil customers during 1952.

Our payroll, including benefits, totaled \$50% million. Divided among our 8,756 employees, this amounted to an average of \$5,810 per person.



OIL COMPANY

OF CALIFORNIA

INCORPORATED IN CALIFORNIA, OCTOBER 17, 1890

The shareowners?

NO! Our profits in 1952 were \$271/2 million, or 81/4¢ of each customer's dollar. Of this amount, our preferred and common shareowners received 31/24 per customer dollar. Total dividends paid to our 40,302 owners of common shares averaged \$261.34 per person.

> The remaining profits of 43/4 per customer dollar had to be returned to the business to help pay for replacement of worn-out equipment and necessary expansion required by the West's greatly accelerated demand for petroleum products.

The tax collectors?

YES! The federal, state and local tax collectors got 181/24 of every dollar paid in by Union Oil customers. In other words, they got more than five times as much as the owners of the business and one quarter more than Union Oil employees.

The remaining 581/4 of the customer's dollar was divided among the many costs of doing business: raw materials, transportation; interest on borrowed money; and wear and tear of facilities and exhaustion of oil and gas reserves.

To sum it up-1952 was the best sales year in our 62-year history. Yet the 40,302 owners of our business received only a fraction over 3¢ from every customer's dollar. That's far less than many people in this country believe goes to the owners of a big business.

This series, sponsored by the people of Union Oil Company, is dedicated to a discussion of how and why American business functions. We hope you'll feel free to send in any suggestions or criticisms you have to offer. Write: The President, Union Oil Company, Union Oil Building, Los Angeles 17, California.

Although overshadowed by

Medalist for the day was Mar-

vin Shatto, junior from SC, with

a 5-under-par 139 for the 36 holes.

Low for Tech was Don Turcotte,

who came in tenth in the field

of 52 with a total of 157. Other

Beaver qualifiers were Paul Far-

ley with 175 and Chuck Davies

and Bruce Watkins with 181. The

Caltech total was good enough

to beat Whittier and Long Beach

State while losing to Pepperdine

The golf team is confident of

gaining revenge for an early sea-

son defeat when they meet Oxy

on the Brookside Course tomor-

Baseballers beat Sagehens

Varsity Wins 14-11; Pechacek, Winslow Hit

Tech managed to come out on top last Saturday in a hardfought baseball game at Pomona. baseballers got back into the win The team scored 14 runs to Pomona's 11, with John Winslow handed Pomona-Claremont its batting three for four and driving in four runs. His long triple time by the score of 6-2. to left field in the ninth inning put the game on ice. Not only was everybody on the team hitting, but there were several outstanding fielding plays, including two by Ron Willens. Pechacek also got three hits, two of them doubles, and Walker banged out three solid singles.

Fielding Loose

Winslow pitched a good game but his support was poor in the boys went ahead in the fifth clutches as six errors were committed behind him. To make up for this the team displayed several sparkling examples of baserunning. Fred Garrison scored son's double and his heads-up on a fielder's choice when he base running netted another run crashed into the catcher, who thought he had a sure out until from second on an infield error. he woke up. Madsen, after being caught off third base, managed to score on another weird

Whittier Next

Although the team looked better, particularly on the offense, much improvement must be made this week if the Tech team is to continue its win streak against Whittier Saturday at Whittier. Score by innings:

RHE Pomona.... 130 211 030—11 13 0 Caltech 220 110 044—14 16

Swimmers swamp Poets

Last Wednesday the varsity and frosh swimming teams scored easy victories over the Athlete of the week Whittier teams. The Whittier varsity's one-man team, Eric Scott, scored 15 of their points as they were beaten 23-56. The frosh meet wasn't much more of a contest, with the Beaver frosh winning 39-20.

Tech Edged

At Redlands Friday the Bulldogs scored surprise victories over Tech in the frosh and varsity meets. The contests were close all the way, with the final four-man relay deciding the victory in both cases.

Result in Doubt

lose race was expected, Redlands official decided to swim | yard free style in the last two the varsity and the frosh relays conference meets. together without informing the Tech team. Redlands' lead-off ter, but he lost his pants at Poman was stopped in the middle mona two years ago, and he's of his race when the mistake been afraid to really open up was discovered, but the Redlands official told them to finish the race and he would make Caltech forfeit. Since the Tech team never got a chance to swim the relay, they came out on the short end of a 45-39 score, and will now drop down to fourth place in the league.



SY 6-0288

24 HOUR PHONE SERVICE

Frosh Win Again, 6-2; Weymann Fans 18

by David Tansey

C.I.T.'s pennant-bound frosh column Saturday when they second drubbing of the year, this

Nelson Doubles

The Techmen showed lots of fire all through the game, with both the infield and bench seldom quiet. Even when Tech got off to a poor start and found themselves behind going into the bottom of the fourth, they put forth that energy they did not have last week and evened the score. The California Street and iced the game two innings later with three big runs, sparked by three hits and aided by two opposition errors. Gene Nelin the eighth when he scored

Strikeouts

Ray Weymann, seeming to take heart from the renewed hustle behind him, proceeded to strike out eighteen Sagehens, while giving up only one walk and four hits.

Fielding Sloppy

Neither of the visitors' runs were earned, which brings up the only sore spot in the game, the continued sloppy fielding of the team as a whole. The Techmen more than made up for their errors this week by pounding Gary "Buz" Bizantz for fourteen hits, including a game-tying ground-rule double by Dan Chilton. Score by innings:

Pomona 001 000 010—2 4 4 C.I.T. 000 110 31x—6 14 6

by Whittaker

The Athlete of This Week at Caltech is Handsome Al Haire, the Hollywood High Terror.

Al has been one of the varsity's workhorse free-style sprinters for the last three years, and the greatest triumphs in Al's In the varsity relay a very sports career were the second but the places which he took in the fifty-

Al might have done even betsince then.

25 Years—Serving Techmen Same Location

Carl's Caltech Barbers

On California St. Near Lake



An open letter to you

I hope that you will be able to turn out for SPRING FOOT BALL PRACTICE.

I am most anxious that everyone with previous football experience, latent ability, or just plain interest, turn out for this practice session. A successful spring practice goes a long way towards making a winning football team. I am sure that if all the good prospects at Tech turn out, we can hold our own with Oxy, Whittier, and the rest of the Conference.

Practice began Monday, April 27th, and will last four weeks. The daily workouts will be short and snappy—from 4 to 6 p.m. About 11/2 hours' actual practice. We are going to cover all the fundamentals, learn assignments against various defenses, and scrimmage. We are going to try to make practice more fun than work.

If you haven't been out before, come out and give it a good try. If you have been out before, this is your chance to improve yourself. Although we want regular daily attendance, we will Tennis Players: occasionally excuse you if your studies pile up.

Check your suit out now from Mr. Barz. Come out, have some fun, and help put Tech on the foot-

Varsity, Frosh trackmen third

Conley Wins Javelin; Lloyd, Peters Place

Oxy's freshman team, probably

took a third with 21 points as

Pomona took second with 38.

Whittier also had 21 and Red-

Big point man for Tech was

Phil Conley, who narrowly

missed setting a new meet rec-

ord in the javelin by throwing

the spear 176 ft. 9 in. Fred Pe-

ters took a fourth in the event

and also placed in the discus.

Lloyd pole-vaulted 12 feet to

take a second, while Lehman was

fourth in both the mile and two-

mile and Lindstrom was fifth

PASADENA BOWLING COURTS

Pool and Billiard Tables

970 East Colorado Headquarters of Caltech Bowlers

Special Student Rate before 6 P.M.

Tyler Wins Broad Jump; Hodges, Kaiser Place

Two Caltech weight men turned in the best performances the best frosh track and field of their lives to help the Beavers aggregation in the country, won to a surprising third in the the SCIC meet with a record SCIC track finals. Occidental point total of 128. Caltech frosh continued their mastery of the conference as they scored 93 points, 21 more than the other schools totaled together. The lands had 10. meet was held on Tuesday to enable Whittier, who took second with 37½, to send Russ Bonham and a few others to the Drake Relays. Tech barely nosed out Redlands, 13 to 12, while Pomona - Claremont hit bottom with 91/2.

Tyler Takes First

Jim Tyler took Tech's only fifth in that event. Lewis placed he also was a star at Hollywood | first by copping the broad jump High. Al has two high-school with an excellent 22 ft. 2 in. swimming letters plus a frosh Jim won on his third try and in each. Tech took third in the water polo and a frosh swimming then went all out to break the relay to wind up the scoring. letter, and two letters apiece in school record of 22 ft. 6 in., but varsity swimming and water failed as he scratched the next polo. Al should get his third jumps. He also tied for third in swim letter this year. So far the high jump at 5 ft. 9 in. for

(Continued on Page 6)



ITALIAN INN

2055 East Colorado Pasadena (4 blocks East of Allen) SY. 2-0657 THE BEST OF ITALIAN FOODS MODERATELY PRICED

Daily 4:30 to 2. Sun. 1 p.m.-2a.m. Home of the Popular Minestrone "Don't Miss Dino's Pizza"

THE PLACE TO GO FOR BRANDS YOU KNOW

Voget and Cathey's

Men's Store

459 E. Colorado, Pasadena

by a single stroke.

Tourneys start enter now

Entries for the annual Scott Tennis Tournament must be in by Monday, May 4. In order to participate in this you must be an undergraduate student who is a member of the frosh or varsity tennis squads or have earned a letter in high school or junior college. Others may enter if vouched for by one of the above men or the tennis coach.

Scott Tournament

The winner of the tournament receives an individual plaque and has his name engraved on a perpetual trophy. The winner last year was Palmer Smith. The loser of each match furnishes the

Those tennis players who have not won a tennis letter and have not played interhouse tennis are eligible for the Novice Tournament.



Rex Harrison Lili Palmer "THE FOUR POSTER"

"MEMBER OF THE WEDDING"

Julie Harris Ethel Waters

Richard H. Owens

Licensed Professional Engineer

SPECIAL AGENT FOR

PRUDENTIAL INSURANCE COMPANY

- Are you in A-1 physical condition?
- Will your work be non-hazardous?
- Are you less than 30 years of age? Has your family health history been excellent?

If so, YOU may be able to qualify for our preferred risk policy which is discounted 50% the first 5 years.

Return the clipping for explanation:

NAME		
Date of	Birth	Phone

15 North Euclid Avenue, Pasadena, California

—SPORTSWEAR

(Continued from Page 1)

The contest anticipates the

flood of protest that is likely to

human beings which appeared

in E. & S. last month under

"The Caltech Student—His Apti-

tudes and Limitations.'

VARSITY TRACKMEN

(Continued from Page 5)

a personal total of 6 points. Tech's other expected first, Jim Kliegel, tripped over the last hurdle just as he was about to win his heat. The winning time

LANE JEWELERS JEWELRY and GIFTS

All Watch Repair Checked and Timed on An Electric Timing Machine

885 EAST COLORADO ST. SY. 3-1853 Formerly Binley's

ond over Jim's best this year.

Kaiser and Hodges

526 E.

Colorado

at

Oakland

of 15.4 was two-tenths of a sec-|lands' Stalcup out for third. The second right behind Oxy's Bray-|MEAD ARTICLE winning put was by Redlands' Valdez, who set the only record However, it was Gene Kaiser of the meet with a discus throw and Dick Hodges who took Tech of 143 ft. 9 in. Dick broke his into third place. Gene put the personal record by throwing the shot 44 ft. 5% in. to nudge Red-|javelin 175 ft. 1½ in. to take a

-CASUAL CLOTHES

Nights Till 9:30

ton Norton. Bruce Munn also put in a come-through performance tra ones will be returned to their to take a fourth in the 100-yard owners. dash. The three front runners were all Tigers, so Bruce beat come from alumni and underout all other competition. Tech graduates as a result of Hunter cinched third by taking a fourth Mead's opinions on Techmen as in the relay with the team of Gardner, Supple, Taylor and

"LEAVE IT--" "WE DO IT."
8 a.m. to 6:30 p.m.
Sat. 8 am. to 6:30 p.m. LAKE AVE. WASH-OUT
563 S. LAKE AVE.
(at California)
SYcamore 2-0687 Pasadena

YOUR COLLEGE SHOP

—DRESS WEAR—

"Men's Distinctive Fashions"

Don't you want to try a cigarette with a record like this?

1. THE QUALITY CONTRAST between Chesterfield and other leading cigarettes is a revealing story. Recent chemical analyses give an index of good quality for the country's six leading cigarette brands.

The index of good quality table - a ratio of high sugar to low nicotine shows Chesterfield quality highest

... 15% higher than its nearest competitor and Chesterfield quality 31% higher than the average of the five other leading brands.



2. First to Give You Premium Quality in Regular and King-size . . . much milder with an extraordinarily good taste—and for your pocketbook, Chesterfield is today's bestcigarette buy.

> 3. A Report Never Before Made About a Cigarette.

For a full year a medical specialist has been giving a group of Chesterfield smokers regular examinations every two months. He reports...no adverse effects to nose, throat and sinuses from smoking Chesterfield.

Frustration

Admitting that Techmen are academically superior to most other college students, even in the humanities, Dr. Mead criticizes the quantitative philosophy that he believes the students have toward life as a result of their scientific training here. As a result they find it difficult to face problems for which there are no quantitative solutions. For instance Prof. Mead claims that some Techmen are frustrated because they can't construct formulas which apply for getting along with girls. Furthermore he believes that they retain a good deal of this quantitative philosophy even after they leave Tech.

DR. THURMAN

(Continued from Page 1)

meaning. It has attempted to give the Tech student the chance to meet every type of philosophy and thus to choose for himself the path he wishes to fol-

Lectures

In accord with this aforementioned policy, the Caltech YMCA has brought one of the most distinguished thinkers of our time to the Tech campus for two days, May 5 and May 6. The "Y" will present Dr. Howard Thurman in a series of lectures and discussions.

Those lucky enough to have attended Asilomar this year have keen memories of this man. His style of delivery is direct, emotional, yet straight forward. He pulls no punches. Not being afraid of one-sided criticism he has in the past and continued today to state exactly what he thinks and believes.

The Program

In line with the Asilomar theme then, Dr. Thurman has scheduled four talks. The first is Tuesday noon, May 5, at the Training Table. The title is, "The Quest for Self Understanding.' After this he will deliver three more talks, the titles being: "The Quest for God," "The Quest for the Meaning of Life," and the "Quest for the Meaning of

Plan to attend, as you will have one of the most meaningful experiences of your life.

> TERRIFIC BURGERS HOT PASTRAMI SANDWICHES HOT FRESH APPLE PIE BAKED HERE

> > COTTAGE **COFFEE SHOP**

Lake and California

Your Nearest Camera Shop

ALVIN'S PHOTO

SHOP

Everything for the Photographer

PERSONALIZED PHOTO FINISHING

914 East California