New prof joins faculty; Lee 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 Lee will teach next fall, co-associate professor of aeronautics and applied mechanics. He is a research associate professor of aeronautical engineering at Princeton University.
Professor Lee, now living in Pasadena, will officially join the faculty in July. He has been delivering lectures here about fluid mechanics since February. He was in charge of hypersonic and aerodynamic research projects for six years at Princeton.

Mead article is basis of Tech photos
Engineering and Science, the alumni magazine, has declared open season on all photographs taken by Techmen about campus. The editors have decided that the students should be given a chance to show what they think life at Tech is really like in next month's issue of the magazine.

Frosh Tennis, Oxy, there. It has attempted to supersede the influence of the National Academy of Sciences by seven men: President Da上がり草, Professors Badger, Epstein, Niemann, and Robertson.

The Mount Wilson and Palomar observatories, operated by Caltech were built by Dr. Walter Baade and Dr. Horace Babler, who presented papers on "Astronomical Identification of Radio Sources," and "Magnetohydrodynamic Fields of the Sun," respectively.

Lost Weekend
The dress Friday night will be for the fellows and party dresses for their dates. The fellows should pack lunches for the noon meal on Saturday. If your date is staying in the Student Houses, box lunches should be ordered. Then for the afternoon, where room 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. Dressing rooms are provided. Everyone must change for the dance.

"Live Wire" to star Ryle: Robinson directs comedy
Dr. Thurman to present lectures
by Ray Orbach
Many of the students here at Tech find themselves in a rather uncomfortable position religiously speaking. Since they are taught to question most everything, it provokes a rather uncomfortable feeling when their preconceived notions and moods are suddenly brought out into the open.

Here, as a young man, the Tech members have accepted certain values to be absolute, but now, when they question them, he can find no real reason for their existence. He is, in a sense, in a moral vacuum, caught up and prepared with any kind of de-Teachings. The problem, then, is quite obvious—to find his self...to plot a direction of action.

Dr. Thurman

Varney, Feymen to hold firesides
Caltech undergraduates have been invited to Fireside chats by two members of our faculty, Dr. Willard Varney and Dr. Richard Feynman. Both are on the faculty of the University of California. In 1940, he served in the U.S. Air Force on an experimental engi-Neer at Wright Field, Dayton, Ohio. While there, he built and tested a scale model of the Wright Field high speed wind tunnel, and conducted high speed flow research.

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 experimental work for the National Advisory Committee for Aeronautics. In 1948 this committee worked on boundary layer and supersonic flow problems "at Langley Field, Virginia. He then joined the Princeton faculty.

Frosh Baseball, Whittier, there.

Jack Rocchio, Bill Kelly, Martin Roth, John Holland, Jerry Royce, and Jim Thropp, to peddle passes at $1.20 or 30 cents for Techmen. The poster at the door had been designed by the ASCIT. The Clocks must be wound before any students may have a chance to protest.

On the road again before they had a chance to protest. They were in what has been termed the atmosphere of a home. They were entertained with the best of home cooking, full place to get a good twelve hours of sleep. At some unheard-of hour before the clocks start running, the phones began to ring and the boys in the yellow and red lines. The logic in standing around for the sake of asking the big fellows' words is not to be underestimated.

Dr. Thurman, now living in Pasadena, will officially join the faculty in July. He has been delivering lectures here about fluid mechanics since February. He was in charge of hypersonic and aerodynamic research projects for six years at Princeton.

2:30-4:00-Collection of a half mile, and the other for evening dancing.

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Thanks

Although the Techmen who went aloft on last week's Modelsky 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 west 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 in Los Angeles to San Vyayak. To the AAA must go special appreciation for the fine cooperation observers received in connection with Operation Watchdog. Luckily, many thanks should go to Dr. Dallbrigg and the faculty for letting so many men skip out for a week.

Finally the dreams 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, Chuck Beuf, George Putrave, and Don Furrise we add a double note of confidence.

In typing class I'm not a white-- oh, yes, I mean, not up to par. But I learned that Lucky Strike is the finest smoke for the fast finger typist.

Eithel R. Staso
Rider College

Nothing-nothing-beats better taste

and LUCKIES TASTE BETTER!

Cleaner, Fresher, Smoother!

Ask yourself this question: Why do I smoke?

You know yourself, you smoke for enjoyment. And you get enjoyment only from the taste of a cigarette.

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!

In a slightly muffled voice, the three Techmen told me to get ready for a flight, as the bombardier put on the right amount of fuel for the trip.

I asked him what was going to happen and he replied: "Oh, Dickie, you're so young, you don't know.

Mr. Robert Minot Kausen is quite a boy, as Lucky Strike once said, "Win a few, lose a few." So, I'm going to go to Tech.

No Comment

Last Saturday renowned philosopher Ralph Miles was exorcising a great long (and with considerable relish) his lifetime of oratory. Chief guest of the day was Mr. Robert Minot Kausen, the famous "Live Wire" publicity League. We're sorry to see it happen to that.-john dressler

Sports Staff: Al Joncich

BUSINESS STAFF

Blackader'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 delight of the Cro Magnons gathered for the occasion. Earl (Madman) Jacobs was seen inviting the interlopers disappeared down the steps of the lounge.

The Saturday night Hay Ride for stock market returns) for the would naturally be more useful.

Your Beak would like to take this opportunity to offer $5 (five) for any photographic evidence (un- touched) 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

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The dance broke up at 1030 as the interlopers disappeared down the Ivy walk.

Nature Boys

The Saturday night Hay Ride and Meadow Dance was keynoted with anti-snobbery to such a degree that the students were

(Continued on Page 3)

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for sponsoring the run, choosing us as observers and providing of having its students chosen as

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Received and printed in the Oil Building, 223 South Walnut Avenue, Pasadena, California, under the Act of March 3, 1879.
Senator Hunt: "I thought it 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 mistake. He may have done a 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.

**CALIFORNIA TECH**

**By Bluh Goldfish**

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 of some 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 qualitatively approved by other testing labs, including M.I.T. The firing raised the question of the political influence in this scientific organization.

Almost all newspaper editorial opinion sided with Dr. Astin.

A holdout from the popular Indigination 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 Port

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 that 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 type?"

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

**New Aviation Cadet Training Classes Begin Every Few Weeks!**

**HERE'S WHAT TO DO:**

1. Take a transcript of your college credits and a copy of your birth certificate to your nearest Air Force Base or Recruiting Station.

2. If application is accepted, the Air Force will arrange for you to take a physical examination at government expense.

**Where to get more details:**


**BREWINS (Continued from Page 3)**

* * * * * * * * *

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

It 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 pro— with 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 26½ 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.
Who got the most from our customer's dollar?

The employees?

No! In wages, salaries and benefits, our employees received 14¢ out of every dollar paid in by Union Oil customers during 1952.

Our payroll, including benefits, totaled $507 million. Divided among our 8,756 employees, this amounted to an average of $5,810 per person.

The shareowners?

No! Our profits in 1952 were $271 million, or 8¢ of each customer's dollar. Of this amount, our preferred and common shareowners received 3¢ per customer dollar. Total dividends paid to our 40,302 owners of common shares averaged $261.34 per person.

The tax collectors?

Yes! The federal, state and local tax collectors got 18¢ 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 58¢ 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.
Varsity Wins 7-6; Fochack, Winslow Hit "Safe". Their coach, who was looking for a good game, but his support was poor. He had to make up for the errors committed behind him. To make up for the mistakes, the Whittier coach had to call out some of his players to try to keep them from losing. The Whittier coach had a good idea of what he was trying to do, and he was successful in the end.

The Whittier coach's idea of what he was trying to do was to make more use of his outfielders. They had been working on some new tricks, but they had not had much success with them until now.

Tech Edged

At the end of the game, the Whittier coach had to admit that he had been wrong in his decision to send Russ Bonnet out to pinch hit. It had been a good move, and the Whittier coach now regretted making it.

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Volleyball

Last Wednesday the varsity and junior varsity teams scored easy victories over the Whittier team. The Whittier coach had to admit that he had been wrong in his decision to send Russ Bonnet out to pinch hit. It had been a good move, and the Whittier coach now regretted making it.

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Swimmers Sweep Trophies

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YEARS AHEAD OF THEM ALL!

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 best cigarette buy.


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.