Friday lectures highlights 'air

Four Friday Evening Demonstration Lectures, which should be of particular interest to Tech students, are planned for the remainder of the term. The Planetarium Session is an institution of local scientific campus and is an excellent opportunity for anyone to broaden his general scientific knowledge. The subjects covered are wide enough in scope and treated in such a manner that almost anyone should be interested.

Astronomy

For example, in tomorrow's lecture by Dr. Robert Leighton, astrophysicist, is going to talk about the various aspects of moon crater formation and the planet Jupiter. The talk and the accompanying motion picture are so designed that anyone who is curious about this aspect of astronomy will find an answer to some of the astronomical phenomena which are puzzling him.

On February 13, Dr. Renato Dulbecco, biologist, will lecture on cancer. Cancer and other viruses. Dr. Dulbecco, an authority in medical research, will explain what a virus is, how it lives, what it does in the human body, and what can be done to prevent the spread of cancer.

The all-out research campaign to find new knowledge about all sorts of viruses will be continued, and their importance in the spread of such diseases.

Brr, it is cold

Professor Watson will repeat (Continued on Page 6)

Nominations next Thursday

Next Thursday will be the ASCIT election day. Students who are interested in the candidates should call on Pat Fazio, head of the committee. The people who are going to be candidates for any ASCIT office will be announced after the election has been held.

Persons who want to be nominees should prepare a speech of about two minutes and tie in with George Johnston or John Gee and mention both the office and the name of the person who is nominating him.

The officers including the ones which are not filled until next year will be voted upon in the coming election.

Nominations will remain open for one week and then there will be a week of campaigning.

Interview Schedule

THURS., FEB. 6- P. A. Fazio, ASCIT; T. C. Fazio, ASCIT; Dr. G. J. Fazio, President.

FRIDAYS, FEB. 7, 13, 20- John L. Engle, Standard Oil Company, Chairman of the Board; Dr. S. W. Mather, Director of the Caltech Research Institute. C. E. Pauli, General Manager, Pacific Telephone and Telegraph Company.

MIW., FEB. 8- Mr. and Mrs. J. J. Moll, President of the United States Steel Corporation.


WED., FEB. 11- W. H. Goodwin, President of the Federal Reserve Bank of Kansas City. F. L. Sandblom, President of the Electronics Corporation of America.

THURS., FEB. 12- L. L. Burt, President of the Pacific Airlines Company.

FRIDAY, FEB. 6- Officers of the ASCIT Student Body, from 10 to 12, in the Aeronautical Assembly.

Letters

Game room closed

Because of many complaints about the Game Room in the basement of the Student Houses, the Institute decided not to invest any more money in its upkeep. The Interhouse Committee then voted to close the Game Room until it could be completely renovated. A room that would not only benefit the students but would present an appearance that would be credit to the Institute as well.

A new organization, tentative head by Bob Ryke, is now being formed to operate the Game Room. Game Room have only to members of this organization, who will also be responsible for its upkeep. The Game Room organization will be given prime responsibility for running the game room since that of the Musicale. Any students, including members of the Troop Club, all interested students are urged to contact Bob Ryke in Room 67, Ricketts House.

—Interhouse Committee

Letters to the Editor

by Lewis and Huenig

Many complaints can be heard on the campus about the Institute. A survey of individual opinions about many of these complaints are evidently being weighed by having factors. The question asked this week was, "Are you going to do all over again, would you come to Caltech?" The results were as follows:

Freshmen — 76%
Sophomores — 76%
Juniors — 94%
Seniors — 94%

Of those who answered no, many said that they would go to a coed school in preference to a men's school.

Squares to meet

By the theory of root mean square it can be derived correctly the sophomores think they are suffering too much, the suffering junior have retaliated (Continued on Page 6)

MUSIC BARGAIN

Attention, music lovers! This Sunday, February 8, the Pasadena Civic Auditorium is ad-

mitting all Techmen to the concert for one dollar. For just one dollar you can see and hear the L. A. Philharmonic Orchestra and a recital by the James Wagner Chorale.

The program includes "Lesbees" Wagner, Brahms Symphony No. 3, Brahms Little Symphony, Kupferman Don Juan ....... R. Strauss

Squares to meet

Again this Sunday evening, February 8, the Caltech Racket Club will have its annual Squares to meet in Cal- berton Hall with Harley Smith all the calling. The time is 7:00 p.m with or with-
Secretary's report...  

On February 16, the Consolidated Charities Drive for 1953 will begin. As you know, there is just one drive each year on campus (excluding, of course, the Y Drive, which benefits us solely). We have the good fortune of not being solicited by one cause after another, so that we should be able to give very good support to this one drive. The groups which will receive help this year are the U.S. Heart Association and the World Student Service Fund. Let's make this a record year.

Almost any letter that is dropped in the Consolidated Charities box in lower Throop will be printed if it follows a few simple rules. The Tech will not print anything that the writer would be ashamed of aborting from the steps of Throop nor will we print anything unless it is down on paper (preferably typewritten). However, the Tech editors are not public stenographers and they will not write anybody else's letters.

CAMPUS BRIEFS

Thursday, February 5, 1953

CALTECH

Sound Off!!!

Do you have a hitch, a gripe, about the school? Has something given you a pain in the neck, do you want to shoot your mouth off about something? Now and then everybody feels that something ought to be done. The Tech will not print anything that the writer would be ashamed of aborting from the steps of Throop nor will we print anything unless it is down on paper (preferably typewritten). However, the Tech editors are not public stenographers and they will not write anybody else's letters.

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About Comfortable Arrow Shorts

"Any way you look at it, Arrow shorts are tops for comfort," collegians say. Special tailoring features (such as no.chafing center seam) assure free and easy comfort in any position. Wide selection of styles, fabrics and colors now available at all Arrow dealers.
THE SPACE BEAVER
By WALT LEE

Science Fiction Plans
Hugo Gernsback, "the father of science fiction," and founder of Amazing Stories (1926) and Science Wonder Stories (1929), will return to the SF field this Wednesday, February 11, when his new magazine, Science Fiction Plus, goes on sale. Frank R. Paul will be the Art Director.

SF Plus will have a five color plate cover, 70,000 words, 60 photos and illustrations, eleven pages in color, and stories by well known writers—many who haven't written for a long time. Price is 35 cents per copy.

The story policy emphasizes that the science must be sound and credible. Wanted is the true science and "sense of wonder" typical of old-style SF, combined with the more adroit writing sometimes seen in the better modern magazines.

Astounding Science Fiction
The word "Astounding" of Astounding Science Fiction is going to start "growing." This will take place month by month until it is as large as the wording "Science Fiction." The reason for the change is this: with so many SF magazines on the stands these days, a magazine needs to be distinctive and different to catch the reader's eyes; so hence the larger size of "Astounding." (Continued from Page 4)

FLICKER FLASHES

Tales of Hoffman
It must be admitted that the State presents a varied selection of films. The pair to be shown for the next two weeks run the range from the sublime to the ridiculous.

Magnificent Staging
In "The Tales of Hoffman" Powell and Pressburger have combined with the more adroit of films. The pair to be shown Thursday, February 5, 1953, are quite unusual. Her big ambition is to go to Australia or Fortovsky's office receptionist, and an assistant to the employment supervisor.

Rosemary, why she likes working at Tech.

Though she hasn't gotten very far in the direction of Australia, Rosemary does spend a lot of time outdoors. Last summer, she caught a 19½ inch, 2 lb. trout. This summer, Rosemary plans to go prospecting for titanium, in Death Valley. Good luck, Rosemary, it'll be a good trick if you can do it.

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Camels have the two things smokers want most—rich, full flavor and cool, mildness... Pack after pack! Try Camels for 30 days and see how mild, how flavorful, how thoroughly enjoyable they are as your steady smoke!
MUSICAL SHORTS (Continued from Page 2) rabbit, and, when he plays, his actions can only be attributed to those of a puppet. At times his arms hang limply at his side while the remainder of his body appears to be in a viscous state. When he lands on a heavy chord his body seems to be catapulted off his stool. His head and arms weave the most intricate curves. At times he even approaches the showmanship of Rubinstein! His performance of the Brahms 2nd Concerto was remarkable. As Brahms himself once remarked, it is not “a piece for little girls.” This Mr. Serkin admirably proved. Brahms’ dancing octaves and arpeggios certainly brought out his superlative technique. At the conclusion of the first three movements he was greeted with rousing applause, only to be excelled at the finale by a truly tumultuous ovation. A concert by Serkin is an experience not to be forgotten.

Saturday the Metropolitan Opera presentation will be Mozart’s “Così Fan Tutte.” The cast includes Eleanor Steber, Roberta Peters, Blanche Thebom, and Richard Tucker. Sunday (KNN, 11:30 am), Myra Hess will be piano soloist with the New York Philharmonic Orchestra conducted by Elam Kurtz. The program includes Rossini’s “Semiramide” overture, Vivaldi’s Concerto Gross in D Minor, Rossini’s “Buccia ArianteSuite,” and Beethoven’s “Requiem” Concerto.

The SPACE BEAVER (Continued from Page 2) Years ago, Mr. Campbell had a hunch that the name of ASF was just plain “Science Fiction” and started on the way with the reduction of the word “Astounding,” but for the reason above this plan had to be abandoned. In the April issue Hal Clement’s new four-part 35,000-word serial begins.

Basketball dope

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John F. Knobback, Jr., University of Pennsylvania

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Pasadena

Thursday, February 5, 1953
Chambers, Madsen spark final drive
win puts Tech in tie for second

by George Patraw
Playing the kind of ball they are capable of, the Tech cagers bawled out Oxy at PCC last Saturday. The game, one of the most exciting seen around here for quite a while, was close all the way, Tech finally pulling ahead to win 45-42. The victory gave the Shysters a 22 league record and tied them for second.

The game started very quickly with both teams hitting for three hard points. Several times back and forth with no team getting more than two points lead. The quarter ended with the score 14-13 in favor of the Orange and White. Madsen had trailed the most for both the second quarter and had two points margin left until Golden of Oxy sunk a long one just as the half ended. The halftime score was 24-24.

STILL GOES

Getting into the third period before Tech could go. Finally the scoring got going with Oxy leading 30-29. The quarter score was 39-37 Oxy. Madsen hit for three quick points and at the 5-minute mark the score stood 40-39. Tech got control of the ball and Madsen had once again in Oxy pulled out their defense and Tyler sneaked in for a goal. An Oxy man was fouled just as the three minute rule came into effect and he put the score at 45-42. Then Chambers put ice on the game with an underhand driving field goal that later scored another with a couple of seconds to go to put Tech over the fifty point mark.

TEAM WIN

The victory was a team victory. Everyone played a great game especially on defense. Oxy, who defeated the Poets last season favorite along with Whitl, was considered the best player by the league. Baxter Golder, and one of the best offenses. Golder, and one of the best teams got the better of Tech.

EVERYONE SCORES

Bill Chambers was terrific on defense and hitting the last minute spark on offense. He scored 12, 9 coming in the last half. Anson hit 11 in the first quarter and concentrated on defense. Madsen was great while in there, especially in ball handling during the stall. Tyler continued his backcourt mastery by snagging many rebounds during the hectic last quarter. Brittw was the one not up to his usual game. He collected four fouls, but hit an important goal at the last minute.

The only dim spot on the sports scene was the loss of the frosh game. The frosh were away with sixteen and shield pro-

Whittier next
Tech seeks revenge

by Ed Bryan

Those surprising cagers, the Shysters, invaded the den of the league-leading Whittier Poets Friday night. A win for the Poets would virtually clinch the championship whereas a victory for Tech would give them undisputed 2nd place. The Poets are 7 points favorites in spite of the CT Oxy win last week.

STORY BACK

Snowshoed coach, Al Wymack Bonham has now heard of the team's double threat, and will undoubtedly have a tough defense lined up. Also, "Wild Bill" Story will play his first game for the Poets since last year. Story, only man to successfully as a starter. Science since high school days, will probably get the first shot at center along with Oxy Turner in a double post of their own. Also menacing Tech will be Johnson and Hartman, both all-league material.

HOPES

Coach Shy however will have a few tricks up his sleeve. A new defense is in the offing alone with some new offensive plays. The boys will be "up" for this Saturday. (Continued on Page 6)

GOODYEAR AIRCRAFT CORPORATION
INTERVIEWING FEBRUARY 25, 1953

Representatives of Goodyear Aircraft Corporation, Akron, Ohio, will be on your campus to interview seniors and graduate students in the following technical study:

- MECHANICAL
- AERONAUTICAL
- ELECTRICAL
- INDUSTRIAL
- METALLURGICAL
- ELECTRONICS
- PHYSICS
- CHEMICAL
- MATHEMATICS
- ENGINEERING

With the current snow short of the Lily Trophy two meets are to be held and the winner of the trophy decided by the combined results. This will be done again given snow.
PERSONAL INTERVIEWS will be held on CAMPUS  
February 11 and 12  
by BOEING AIRPLANE COMPANY  
Movie will be shown at group meeting on first day of each interview. Both guided missiles and other Boeing projects. Discussion period will follow movie.  
Openings are available for graduating and graduate students in all branches of engineering (AE, CE, EE, ME and related fields) and for physicists and mathematicians with advanced degrees. Fields of activity include DESIGN, DEVELOPMENT, RESEARCH, TOOLS, DYES, CHEM, and locations: Seattle, Washington, or Wichita, Kansas.  
Contact your student placement office for details and appointment.

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FRIDAY LECTURES (Continued from Page 1)  
Morgan's "Liquid Air" lecture and demonstration on February 25. This is one of the highlights of the series every year, and the fact that it is included again on the program is significant of the way it has been received in the past.  
In this talk the first time in the series, Morgan was to attempt a liquid hydrogen demonstration. He was successful in his attempt, and the students in attendance were able to see the liquefaction of liquid hydrogen and the effects of the temperature on the liquid.  
However, the demonstration had to be terminated due to a lack of facilities. The students were disappointed but were satisfied with the information that Morgan had provided.

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ROOT MEAN SQUARE  
(Continued from Page 1)  
 audiences, they departed from the good old days of the theater to see "Oklahoma." A sign of blessing, demanded the audience in the Blacker lounge. Anybody who wishes to may go, but if you happen to be near the theater to see "Oklahoma." A sign of blessing, demanded the audience in the Blacker lounge. Anybody who wishes to may go, but