Students converge on Tech

Fifth annual Students' Day features guided tours, demonstration lectures

Caltech goes on parade this Saturday, December 4, when over 900 seniors from approximately 120 high schools will visit the campus for this year’s version of Students’ Day. The day is designed to give the visiting students a look at science and engineering as taught and developed here on the campus of the 47 exhibits and demonstrations.

Each house president has invited a number of the high schools to be the guest of his house for the day. It is at this house that the students and their teachers will register for the day’s activities. Registration will begin at 8:30 a.m. and last until the beginning of the morning tours at 9:00 a.m.

The students will then tour the campus, look at the buildings, the equipment and a number of the exhibits and demonstrations that are planned for the incoming program. These seniors who decide to attend college here, will be the first students to see some of the facilities of the campus.

Field Marshal Montgomery stresses role of science in today’s conflict

By Tony Bergman

Field Marshal the Viscount Montgomery of Alamein, a guest of the Caltech audience Monday in an address at Tournament Park, discussed the role of the scientist in the modern war effort.

Dr. Zechmeister goes to Mexico

Dr. L. Zechmeister, professor of organic chemistry at Caltech, left Pasadena November 22 to serve as visiting professor at the National University of Mexico in Mexico City.

During his month-long stay at the University’s new Institute of Chemistry, he will deliver a series of nine seminars. In these he will report on his research at Caltech on the stereochemistry and spectral properties of polynuclear compounds and also discuss some general biochemical problems related to organic and inorganic chemistry.

Professor Zechmeister, who received his undergraduate and graduate training at Zurich, Switzerland, joined the Caltech faculty in 1935. He is widely known for his research in many areas of organic chemistry and for editing, since 1938, the international series, “Progress in the Chemistry of Organic Natural Products.”

Field Marshal Montgomery addresses Caltech at Tournament Park. (Photo by Sue Bowen.)
To our visitors

Frankly, high school students, Caltech is showing off to you, and we hope you like it.

We hope you're impressed when men like Dr. Beadle, next president of the American Association for the Advancement of Science, chat with you on biology, when Dr. Feynman, prize-winning theoretical physicist, entertains with stories about molecules, or when numerous other lecturers display the wonders of science. We've lined up our top talent, and dusted off the scientific showpieces with the most chromium, flashing lights and gadgetry.

Enjoy the show, and soak up all the glamour of these great men, but as you do so, realize that love for science and respect for Caltech lies deeper than a fascination for moving gears. We hope those who come here considering a career in science will go through the stage lights and makeup members the real challenge of science or engineering at Caltech. Sure, Tech is filled with pretty spectacular research, but the undergraduate is more concerned with sharpening the formal pupil of his profession, as well as with the process of maturing through all-important college years into a respected member of society. To us here at Tech, the experience is a mighty challenge and an exciting experience.

Although Students' Day at Tech can't reveal all to a visiting high school senior, it's our friendly way of inviting the qualified student to consider our school for the next step in education.

Athanaeum parking

"When it rains, it pours." At least so it seems concerning the parking situation at Tech. Our campus has been swamped with cars for some time, but this seems to be the year of the deluge.

Last year, before the construction of the new Church biology building, the whole International student body was moved over to that section of the campus which has been recognized Red China. If this had happened, the whole student body would have been moved over to the new Church biology building. The result is that the whole student body has been moved over to the new Church biology building.

As a result of the announcement at the end of the year, the whole student body has been moved over to the new Church biology building. The result is that the whole student body has been moved over to the new Church biology building.

It is our hope that the American public is very disturbed. It is our hope that the American public is very disturbed. It is our hope that the American public is very disturbed. It is our hope that the American public is very disturbed.

Let us speak for the people who are upset about the lack of parking on the campus.

"We'd like to take you upstairs and show you the real graciousness of Caltech life, but it's sort of a rule around here to warn you about what you're getting into."
DOUBLED AND DOUBLED

By Tangoren

Please look only at the South hand. You will have twice as much fun if you do not look at the other hands until after you hear the bidding. You are South, and the following hand has been dealt:

North

S 10 7 5 2
H 9 5
D 10
C A 7

East

S A K J 9 8 3
H J 3 10 6 4 3 2
D 2
C

South

S 4
H 4
D K 10 6 5 4
C K J 9 6 2

It was East's deal and John Bailey, East, opened one spade. Tangoren was South, and Tangoren, who loves to bid, decided to overcall two diamonds. West (Tom Trilling) doubled. North (Jim Lewis) took out to two hearts. Tangoren tried three clubs. Trilling doubled faster. Lewis tried three hearts. Bailey doubled even faster. All passed.

Tangoren laid down 'his' hand as dummy on Bailey's king of spades lead.

Whereupon he looked at the defensive hands, controlled his urge to laugh and went screaming all around the lounge and courtyard lacking for a pen- cil to record the hand for posterity.

You will just have to take our word for it that this hand was random dealt and was not stacked in any way. Bailey can not always be trusted for an honest deal but he swears up and down that he was not responsible. Obviously some evil disease which preys upon the law of averages had rooted in the dealer's hand and spread contagiously throughout the others. The king of spades went around, so Bailey tried the ace. When he saw his partner's club slough, he led a low spade, but dummy trumped with the nine of hearts and it held. When he saw his partner's club it taggedously throughout the others.

It was a slow magic, for the word from this publicity crew is that Asilomar is no ordi

ary vacation, but a stimulating, refreshing change from the Cal-
tech campus. Since most of the Asilomar alumni—those earnest undergrads—can only be heard to exclaim in superlatives when asked to experience a few facts should be men-
tioned.

Popular contest

Asilomar is sponsored by California YMCA's and YWCA's and is held the second week of vaca-
tion on the Pacific shore near Monterey. Several hundred col-
lege students gather for a pro-
gram that includes lectures, sem-
inars, discussions, generous rec-

erence time, and a restrained, but lively New Year's Eve party.

"Where Are You?" is the pierc-
ing question chosen as confer-
ence theme. The morning plat-
form topics, by Alexander Asil-

er of the Stanford faculty, will

stabilize at an answer to this pro-

cannot be heard.

We must say that pre-Christmas "Asilomar" look. The campaign has

omar" look. The campaign has

quired that pre-Christmas "Asilomar conference soon; theme is 'where are you?'

Albert the alligator, with a

shashing red nose and bright eyes, a Pogo comic strip in front of

alism, and otherwise, is a major feature of the conference. Nightly
dances, excursions into the winds of the Monterey Peninsula, ping-

pong, volleyball, swimming, sand and
dec-m-o-a-er-a-nt-c-nt-er-a-a
 Ln

ear, where further information is available.

Asilomar delegates of past years, now available for more
dope, include Al Helgesson, Ray

Orcbach, Don Reinerman, Ed Jer-

nun, MacDuffie, Tom Bergeman, and Jerry Gallagher.

Many girls coming for square dance

There will be another fan-
packed square dance next Sun-
day, December 5, in Calhern. The

starting time has been changed to 7:00 p.m. As usual there will be a pro-

fessional caller, instruction in basic square dancing, and crowds of beautiful girls. A greater number of girls than last time is being assured by an intensive

campaign at Oxy, PCC, and elsewhere.

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--- AND HOW IT STARTED --- FRED BERGMAN SAYS ---

"I wanted to be an editor--ever since I worked on a boy's magazine at age 8. After being an editor of the Dartmouth literary magazine (The Dart), I sweated my way through Cal. I was editor of the Dart for 18 years, the entire length of his

editorship--after struggling as a newsweekly, cartoon and essay writer, advertising copy writer and trade paper editor."
“What Biologists Do” will be the topic of a talk given by Dr. George Beadle Saturday, December 4. Students’ Day visitors should find this quite interesting, especially since the speaker is such an important figure in the scientific world. Beadle is heading the call of Caltech’s Division of Biology. Dr. Beadle is now president-elect of the American Association for the Advancement of Science, the country’s most important body linking all fields of modern science.

He will base his talk on the various research projects being conducted at Caltech, thus giving the audience a broad picture of the various avenues of research open to the biologist. Perhaps the most interesting of these fields is virology, the study of viruses, since this has so many vital applications. One group of Caltech virologists has been conducting extensive research on poliomyelitis and has added much to our knowledge of the nature of this disease. Much work has also been done on bacteriophages, the “flies on the fleas on the dog”—the viruses that attack bacteria. Using these minute creatures as guinea pigs, information has been gained concerning the effects of various types of radiation on living cells.

Structure of DNA developed. Of interest to geneticists, chemists, and virologists is the work done by Watson and Crick leading to a model of the structure of DNA, the complex substance found in the genes or hereditary building-blocks. This work has brought a great deal of attention to Caltech’s Dr. Watson, including mention in Fortune magazine’s article on America’s top young scientists.

Research on smog. Since most of Saturday’s visitors will be coming from areas thoroughly familiar with the Black Curse of Los Angeles, Beadle will make reference of the work concerning this being carried on by the bio-organic chemistry group. Dr. Haagen-Smit leads a group of workers investigating this problem.

Dr. Beadle will make some mention of the work done by all thirteen of the biology subdivisions: animal biochemistry, animal physiology, bio-organic chemistry, embryology, corn genetics, drosophila genetics, neuro-genetics, immunogenetics, marine zoology, plant biochemistry and physiology, plant pathology, and virology and biology.

Faculty dinner. The program (Continued from Page 1) there will be musical entertainment after the formal dinner. Students’ Day visitors are invited, and guests will be welcomed by Jim Adams, student body president, and Dr. Lee A. Dubridge, president of CIT.

Demonstrations. Following the talks, the group will return for demonstrations which will begin at 1:30. The afternoon demonstrations are to last an hour each, and include “A Quark of Matter” by Dr. R. D. Cochrane, “Combustion” by Dr. H. F. Bohnenblust, “Hypersonic wind tunnel—Will the Turbine Replace the Recirculating Engine?” by Mr. Earl Jacobs, “Modern High Energy Particle Accelerators for Nuclear Physics” by Dr. R. S. Richardson, “Compact Accelerators” by Professor F. W. Converse, and “Aristotle to the Space Age: The Story of Atomic Energy” by Mr. E. R. Stocking, over in Darb House, and Dr. R. P. Feynman, “Construction of Surfaces” by Dr. H. F. Bohnenblust, “Fire and Smoke” by Mr. S. F. Tangora, chief guide; and Dick Mears, head of the famous Lucky Strike team.

Ends at 4:30. When the final demonstrations are finished at 4:30, the students will depart for their respective high schools, all of which are within 50 miles of Caltech.

Jim Lewis and Rod Supple are student body president, and Dr. W. C. Montague, chief guide, and Dick Mears, head trouble shooter. Faculty chairman is Dr. C. W. Montague.

Lady (to streetconductor): “Will I get a shock if I put my foot out on the track?”

Conductor: “No lady, not unless you put your other foot on the track.”

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CALIFORNIA TECH
Thursday, December 2, 1954

Be it smog, viruses or genes, Beadle tells ‘What Biologists Do’

IT’S A FACT! College smokers prefer Luckies to all other brands—and by a wide margin—according to the latest, greatest coast-to-coast college survey, The No. 1 reason: Luckies taste better. They taste better, first of all, because Lucky Strike means fine tobacco. Then, that tobacco is toasted to taste better. “It’s Toasted” the famous Lucky Strike process—tones up Luckies’ light, good-tasting tobacco all the way even before it’s packed. Next: Inset smoke ring blown by apt smoker. He’s apt, of course, because he smokes Luckies. Be apt yourself and enjoy the better-tasting cigarette . . . Lucky Strike.

Better taste Luckies... LUCKIES TASTE BETTER CLEANER, FRESHER, SMOOTHER!
Dr. Bergman will speak about X-ray diffraction

X-ray Diffraction, one of the newer tools used in the search for new solutions to the many problems of today, will be discussed Saturday for a Students’ Day audience by Dr. Gunnar Bergman, assistant professor of chemistry and mechanical engineering.

Professor Bergman, who received his basic education in Sweden and has been at Caltech since receiving his doctorate here in 1951, has focused his research on the problem of determining the structure of crystals. Since the spatial arrangement of the atoms in complicated molecules is known, it is possible for chemists to use that information to derive theories regarding the reasons for the observed properties of matter. This work, carried on by Dr. Bergman and his group of graduate students, is one important phase of the basic research program under way in the chemistry laboratories.

In his talk for prospective scientists, Professor Bergman will outline briefly the possible methods of the scientist to learn, in minute detail, the way in which matter has been put together. Beginning with the ordinary optical microscope, he will demonstrate its inherent limitations when working with extremely small objects. Then he will discuss the possibility of using a microscope with very short wave radiation—X-rays—which is theoretically possible, but impracticable because of the difficulties encountered in finding proper mirrors and lenses. He will explain the physical principles which make it possible to get information by “X-ray Diffraction”; that is, by shooting an X-ray beam at a crystal and obtaining a photograph of the beam as it emerges. By the position of the “photographic dots” where something in the crystal—an atom—has caused a part of the beam to change its path, it is possible to learn the arrangement of the “dot-atoms” in the crystal. In the lecture room, there will be scale models of some of the crystals whose structures have been determined by this technique. Using the models and samples of the X-ray pictures (diffraction patterns) obtained from them, he will show how one gets from a photograph, with many little spots which seem to mean nothing, to a pattern which tells a great deal about the substance.

Cool lecture on liquid air

Among the more spectacular presentations which will greet the highschool students Saturday afternoon is a demonstration lecture on liquid air.

The lecture, which will be given three times during the afternoon in 201 Bridge, is to be presented by Mr. Paul Jacobs, who is taking graduate courses at the California Institute while serving as instructor in physics at Los Angeles State College.

For the lecture, a quantity of liquid oxygen and liquid nitrogen, requisitioned from the physics department, will be used to cool different objects of temperatures in the neighborhood of 200 degrees below zero Centigrade. The unusual properties of various objects at such low temperatures will then be demonstrated.

The visiting students can see various fruits and vegetables frozen in a few seconds to such low temperatures that they shatter at the last impact. The magnetic properties of various materials will be exhibited, and it will be shown how the reactivity of some metals such as lead is greatly increased at low temperatures.

Tech staff meets for picture tonight

Picture of the California Tech staff for the Big T will be taken tonight at 7 p.m. in the California Tech office. All those students who have been working regularly on the paper staff are to be there. The editors would appreciate it if the staff members would dress attractively, buy house coats, please, and appear promptly at 7 p.m.

CAMPUS BREWINS

(Continued from Page 4)

Papaya stands free strange things! An upheaval is predicted; Many fundamentals, expected to paw ranks of unemployed! Pervasive foolishness abounds! Consideration for the unloving! Masses consider civilization; But it is the mark of the age of the unknown—what will happen? Sleep well tonight, ye students, for tomorrow ye may be awoken.


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COOPERATIVE FELLOWSHIP
PROGRAM
for Master of Science Degrees

HUGHES COOPERATIVE FELLOWSHIP

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for the Hughes Cooperative Fellowship Consultation with the Committee for Graduate Study.

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Caltech City, Los Angeles County, California

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HUGHES COOPERATIVE FELLOWSHIP

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How to apply for Hughes Cooperative Fellowships

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THE HOWARD HUGHES FELLOWSHIPS

in Science and Engineering

Eligible for these Fellowships are those who have completed one year of graduate study in physics or engineering and who must qualify for graduate standing in the California Institute of Technology for study toward the degree of Master of Science or Doctor of Philosophy. Fellowships may provide partial or full support in the fields of physics or engineering. During the summer they will work full time in the Hughes Laboratories in association with scientists and engineers in their fields. Each appointment is for twelve months and provides a cash award of not less than $3,000, and $5,000 for honors and research expenses. A suitable adjustment is made when financial responsibility of the Fellow might otherwise prejudice participation in the program. For those coming from outside the Southern California area provisions are made for moving and transportation expenses.

Strict requirements are made for those applying for the Howard Hughes Fellowship in Science and Engineering. Address all applications to the Howard Hughes Fellowship Committee.
**Gridders end season with 44-32 loss to LaVerne**

In the last game of the season on November 20 the Caltech football team suffered a 44-32 defeat at the hands of LaVerne College.

It was a wild and woolly contest as LaVerne piled up six touchdowns before Tech could get a hold of the scoreboard. On the first touchdown the Beavers came back with a closing rush which netted them 26 points in the final quarter, but still left them shy of victory.

The Leopards contained Tech's powerful running attack of fifty yard line in the first half and left the score 3-6 at the half. In the second half they started well and scored on one touchdown, and were knock­ed off the door again when Phil Conley intercepted a pass that was going the final seven. Lukesh hit Nelson for 31 yards and Ted Bogdanovic ran 13. After a penalty set the ball back on the 27, Lang hit Nelson with a pass that was good for the TD.

Next was by far the most consistent offensive attack shown by the Beavers this season, and it allowed Conley to boost his team-leading individual total offense for the season, Dick Schmid snagged 14 passes for 253 yards, and Nelson caught 8 for 173 yards.

**Final SCIC Football Standings**

<table>
<thead>
<tr>
<th>Team</th>
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<th>L</th>
<th>T</th>
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**Runners win two meets**

Caltech's varsity barriers go into Saturday's conference finals with a very successful dual meet season behind them. The runners have won five meets while losing one only, and that to mighty Oxy. Tech wound up second in final conference standings, first in the amateur division.

The All Conference meet is this Saturday morning at Whitter. Tech should hold onto second place in team standings, and Dave Cowtsworth has an excellent chance to bring home an individual medal. If so, it will be a fitting end to an excellent season.

**Aquamen finish 2nd in league**

The Caltech water polo team closed 8c season on the Tues­day before Thanksgiving, bow­ ing to Occidental by the score of 8-6. The defeat was Tech's second of the conference season and put the Beavers in second place with a 42-2 record. Oxy had a 54-1 record to take the crown.

**Penalties hurt Tech**

California Tech's mishandling of penalties in the Oxy game, and a big percentage of the Tigers' goals came on free shots. Bill Ball played his usual fine game as he scored five goals for Tech. Bill Davis scored the other goal on a beautiful backhand shot from six yards out. Walter Womack played a good game at guard until fouled out. Guards Dick Johnstom and Ed, for­ ward John Bush, and goalie Fritz Trapeze rounded out the starting lineup.

**Pleasive record**

In conference play this year, Tech is second place with a 4-2 record. Oxy had first place with a 5-1 record to take the crown.

**Final SCIC Statistics**

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**Christmas Vacation**

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How? you say... do your gift-listing right here. We'll sell your purchase home for you. We have everything that dad, pab, and kids brothers want. All the Arrow, Famous Dart white shirt, Gordon Dober button-down, Gamma-shirt sport shirts. Five slants and underwear and handkerchiefs. Priced right.

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Cagers beat Cal Poly; Redlands tourney today

Beavers meet Gauchos first

The Caltech varsity cagers got their season on the move this afternoon at two o'clock when they took on the usc College Gauchos in the first round of the annual Redlands tourney. the Caltech team in the first half of the draw and Pasadena Nazarene is top-seeded. the Gauchos, however, is the team to watch. The Gauchos have three starters returning from their starting line-up of last year and they have all of last year's frosh team, which won 23 out of 25 games.

Whittier Friday, maybe

Sixteen members of the fine California 3-0 of last year's frosh team are letterman, regular letterman, Jo'G. the 3-0 season is over. the Gauchos opened its season Monday with a resounding 78-39 victory over Cal Poly of San Dimas. the game was typical of early season play with rugged ball handling and some unnecessary roughness, but the tech team showed great promise of things to come as they shot with deadly accuracy. the Gauchos took an early lead and kept building it up as Cal Poly was never really in the game. halftime score was 42-25.

Center Phil Conley showed that he was going to follow in the footsteps of the immortal Anson and he led all scorers with 24 points. Phil came up with a many beautiful shot and played a rugged game under the backboards. forwards Bill Chambers and Jim Tyler capped 17 and 15 points respectively to help the tech cause. scrappy guard George Madsen showed an uncanny shooting eye as he pocketed seven out of seven free throws and added three field goals for 13 points.

BILLY CHAMBERS, shown here making a lay-in, will lead the Caltech basketball team into action at the this afternoon in the Redlands tournament.

PHIL CONLEY, 63, 195—Big Phil will throw his weight around in the center slot this year. He likes the going rough under the boards and he has this assortiment of shots. A junior, he has a varsity letter and was the leading scorer on the frosh team two years ago.

GEORGE MADSEN, 59, 165—George is a two year letterman and the real take-charge guy in back court. At times his floor play is sensational and he sets up a lot of shots for the forwards.

ROLLAND MOODY, 59, 145—Moody is also a two year letterman. He is returning to school after a year's layoff and will take over one of the guard slots. He has a great set shot which should keep the defense spread out.

JOHN KROON, 62, 175—A junior, John will be the third guard on this year's team. His head faking is always good for a cheer from the crowd.

There are the six men who will form the nucleus of Tech's basketball team. In addition to those on the starting line-up, there are six or twelve cans.

Booters held to tie by Pomona

On the Saturday before Thanksgiving vacation the Caltech soccer team was held to a 1-1 tie by a determined team from Pomona. Caltech should have won this game, but Pomona's tremendous effort, contrasted with the apathy of the Caltech players made the score say something else.

Caltech drew first blood when Barry Brown smashed the ball in on the goal line and Sidet Sardegna pounced on it. The team could not maintain the lead and the slim 1-0 lead stood until halftime. In the second half the Pomona forwards got warmed up and constantly ran through the Caltech defense. Arne Kalm stopped many possible goals, but one chipping shot rolled through a bunch of players and into the goal.

This Friday at 5:00 Caltech will meet USC on our own field. This is the first time in several years that USC has fielded a team, but they should be hard to top.

The JV soccer team lost to the UCLA JV's by 7-0. UCLA played to beat.

Tech sailors shut out Oxy

Sunday, November 21, the Caltech sailing team defeated Oxy 3-0. Three team races were sailed with three boats per team in the inner harbor of the Los Angeles Yacht Club.

In the first race Fritz Trappeli from Tech crossed the start line first, just to windward of the first Oxy boat and was able to work into the lead position which he held for the rest of the race. Ron Warm and Ian Arps successfully defended against the other two Oxy boats to give Tech first, third, and fourth.

In the second race Warm got off to a beautiful start and held the number one spot for Tech over the entire course. Arps and Trappeli got into a dogfight with all three Oxy boats right after the starting gun, and then left them behind to give Tech 1, 2, 3, at the finish.

The third race was marked by its lack of wind but team captain Arps and Ron Warm zoomed across the starting line in the one, two positions and held them across the finish line. Trappeli who had been some twenty-five yards from the starting line at five minute warning gun took eight minutes to get to the line (believe us, there was no wind) and consequently held the anchor spot throughout the race to give Tech one, two, and six, still a winning combination, and a 3-0 overall.

The sailing team will meet Pomona this weekend, and partici­ pate in the Intercollegiate championships over Christmas vaca­tion.
President DuBridge makes annual report to Tech board

By Jerry Fried

"In sharp contrast to many reports of national and international events, the past year appears relatively uneventful," President L. A. DuBridge said in his annual report to the Board of Trustees.

While Caltech has recognized its obligation to national defense by its continued operation of the multimillion-dollar jet propulsion laboratory, President DuBridge emphasized the fact that "our major interest and service will always be the program of teaching and research conducted on campus."

Reporting on Caltech finances, Dr. DuBridge said that during the year, the net worth of the Institute increased to $55,785,435 and its endowment capital improved by $1,164,000 to a total of $30,000,000. This amount may be substantially increased in the future due to the discovery of oil on Rancho Searby, a property near Fillmore, California, which is part of a trust bequeathed to Caltech by the late Eudora Hull (Mrs. Keith) Spalding.

Expenditures during the past year amounted to about 18 million dollars, two-thirds of which were spent for off-campus operations.

Athletic activity

Dr. DuBridge also commented on the excellent student participation in athletics. He stated that more than one-third of all Caltech students participate in one or more intercollegiate sports and nearly two-thirds in some form of athletics. Half of last year's seniors had played on varsity teams and one-third had earned varsity letters.

Women at Tech

A tradition has been broken. For the first time in Caltech history, a woman graduate student was admitted in September, 1954. It must be pointed out, however, that no great flood of "coeds" is anticipated, since undergraduate admission remains restricted to men.

DODGED & REDODGED

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the hand and decided to "cuck" his king of clubs. Bailey trumped, of course. Lewis was malignly down and played a与 with an eight of spades lead. The board dropped a club on the spades—but Trilling played a diamond, and declarer's ten won. Running hoarsely, Bailey demanded that the trick be played over "to make it look good for the Tech." Bailey was restrained. Lewis had now won two tricks—the dummy's lone trump, and his ten of spades. Quiver­ ing slightly, he tried to finesse the board's jack of diamonds. It lost, which goes without saying, and West followed up with his ace of diamonds. Thus far the contract was down one.

Trilling then led a club, and Lewis's ace was trumped in East. East returned a spade and declarer had only to lose one more heart trick, making the rust, down only three.

There is something deceptively wrong about this hand. Every hand is on opener, or might be opened. There are fourteen distribution points in the four hands, which must be pretty close to the world's record. There is a singleton or a void in every suit—yet every suit is split seven cards in one team, six cards in the other team.

Dummy's only trick was his singleton trump. Declarer won in his hand only four trumps and his ten of spades. West got four "sloughs" on spades. And only twice in the thirteen leads was there an "honest" trick—four cards of the same suit. Trumps were played on eight leads.

Such madness transcends the laws of probability. Some non-Euclidean mathematician is called for to explain such a travesty. Disease! Unclean!

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