New Tech humanities course to feature "flying professor"

The sophomore curriculum next term will include "Introduction to Human Relations," a course to be introduced on a trial basis by the Department of Fine Arts. A number of California staff member, will be invited to Pasadena each week to teach the classes and duties.

The course will be of an experimental nature, and will cover recent advances which psychologists have made in the study of group behavior and individual adjustment. If the project proves successful with its "flying professor," a more permanent arrangement will be made in the future. Assisting Dr. Coffey in his teaching assignment will be Dr. Charles Ferguson, UCLA professor.

Understanding

The plan has come about as the result of discussions by John Weir, Hallstick and James Davies. Their interest was aroused by Dr. Weir's questionnaires sent to employees of Caltech alumni, the idea being that for lack of employee success was some form of "inability to understand" themselves. After consultation with other colleges this course scheme was proposed.

Coelective

Sophomores may take the seven units of work as an elective or as a major. In the latter case, participation in the "Industrial Organization." There will be only one class and enrollment will be limited.

Acts needed for Old Faces

"Old Faces," the projected ASCIT show, has now been definitely scheduled for February 21 in Culbertson. Dr. Harford, ASCIT rally commissioner, asks that all Beavers who plan to attend the rally check in with their officials before the rally.

Dr. Harford, in charge of next week's film showing, has announced that the film will be "Sociological Phe-omena" at 7:30 p.m. in 152 Arms. The film showing will be primarily for faculty and friends of Caltech.

Dr. Sage speaks at Friday lecture

Dr. Brace Sage from the Chemical Department will present a "Critical Phenomenon" at the public lecture tomorrow night in 201 Bridge. The lecture will address the capacity of the states, as well as the conflict between themselves and hostiles in the critical point. Dr. Sage explains the importance of this phenomenon in petroleum production, where high temperatures and pressures are often encountered.

Dr. Oppenheimer subject of Murrow film interview

Dr. Robert Oppenheimer defends himself against "security risk" charges in a movie to be shown here next Thursday at 8:00 p.m. in 152 Arms. This film was made available to colleges by The Fund for the Republic, an international group concerned with American civilization and its history.

ASCIT rally commissioner Jon Harford, in charge of next week's film showing, has announced that the film will be "Sociological Phenomena" at 7:30 p.m. in 152 Arms. The film showing will be primarily for faculty and friends of Caltech.

Lost and found in Caltech Y office

Lost your slide rule? Missing your jacket, your glasses, your rubber? The Caltech Y office in lower Dabney acts as clearing house for all articles lost on campus. Visiting the Y office is a good idea for anyone who has left something lying around, and for anyone who has found unclaimed property.

The Y's collection of found articles includes jackets, ties, a pair of shoes, a pair of sunglasses, and a pair of scissors. The Y's collection of lost articles includes jackets, a few textbooks, a slide-rule and countless other items. The Y office is open from 8:00 a.m. to 5:00 p.m. and is kept indefinitely; property not long ago may still be identified and claimed. Clothing still encamped after one year is given to charity during the Y spring.

Tech formal to be held at The Palms later this month

Caltech will go to The Palms from 9:30 p.m. to 11:30 p.m. on Thursday, March 12. The dance will be held at the new relocation.

With the theme, "Young At Heart," the dance will start at 9:30 p.m.; then Don Ricardo and his orchestra will begin at 10:30 p.m. Identification cards will be necessary to purchase the beverages which will be served from 9:00 p.m.

Couples will have plenty of room to dance and relax at The Palms. Enough tables for all the couples will be placed around the dance floor, which is about the size of Dabney Lounge.

The dance will be held open for one week.

Ireland's child in Murrow film interview

Richard H. Nolte, of the American University Service, will be coming to Tech Monday, February 7, to give a report on current conditions in the Middle East.

Since his last visit to Caltech in January, Mr. Nolte has traveled and has traveled in the Middle East to rearmament history and the role of the U.S. in the situation. Mr. Nolte will visit with various groups on the campus during his ten day stay, including a Y house, and will meet with sábado tenants of the AUFS to speak at Tech this year.

Nolte is third AUFS man

His reports will mainly be concerned with the military situation in the Middle East, the regime in Egypt, and the Palestinian refugee problem. Mr. Nolte, a graduate of Yale, and a Rhodes Scholar, is the third representative of the AUFS to speak at Tech this year.

Houses compete for waiters; money goes to four charities

The 1955 ASCIT Consolidated Charities Drive will be held next week, Monday through Friday. The drive is a combination of what used to be several different charity appeals, is the only thing held during the year. The goal of this year's drive is $3500, which will be distributed among four charitable organizations: World University Service, The American Heart Association, The Friends of Caltech Y, and The American Cancer Society.

As in years past the four student houses and Tri-campus House will engage in competition to see who can collect the greatest amount of money. The house winning this contest will be treated to a victory dinner featuring faculty waiters and entertainers. This dinner will be held in the Tri-campuses February 8 at Ward Whaling. Fleming House R.A., will be in charge of faculty waiters, and Ed Hutchings, editor of Engineering and Science, will be in charge of entertainment.

In order to be counted in the contest contributions must be turned in by noon Friday, Feb- ruary 11. Those in charge of the contest are: Marv Wein, Fleming; Joe Lichtman, Ricketts; and Earl Van Cleave, Dabney.

(Continued on Page 2)

Tech will take part in MIT conference;
Eaton, two students going as delegates

Coelective

Caltech will be among 90 universitie s participating in the M.I.T. National Intercollegiate Conference on Selectivity and Discrimination. The conference will be held at M.I.T. on March 25 to 27.

The theme of the conference "will be the success or failure of different colleges coping with problems of selectivity, discrimination, and national attention." To call national attention to the problem.

The objective of the conference, as announced by M.I.T., is to focus on important issues involved in the success or failure of different colleges coping with problems of selectivity, discrimination, and national attention. The objective of the conference is to call national attention to the problem.

The conference will be held Friday afternoon, March 25, with a welcoming session and keynote address. That evening the dele gatees will be free to sightsee in the city. There will be in plenary sessions and small discussion groups all day Sat­ urday and Sunday. The delegates will discuss their issues after dinner that eve ning. There will be a non sectarian religious service Sun­ day morning, and the conference will end with a banquet on Monday evening.

Conference delegates will be quartered at Baker in the M.I.T. campus. Part of the transpor tation expenses of the dele gatees will be paid by M.I.T. 

Volume LVI
Pasadena, California, Thursday, February 3, 1955
Number 15
The world and Tangora

by Isaac Tangere

Eventually most Techmen start taking notes at lectures. Often this serves principally to keep the student awake. Obviously it serves as material for a column in the California Tech. This is not the time to polish up public speaking! Thus fresh can get a clue in advance of the course, and sophomores may benefit from reviewing the biology lectures are given by Dr. Galston in 11th Kerckhoff. Students were advised to enter and leave Kerckhoff by the door nearest the lecture hall, thus obviating the necessity of gas masks. The Orange Bible lists Biology I as a one-semester course—three lecture, three lab, and three study. Since a two-hour reading assignment is given for each lecture, everything works out fine if you do the lab and don't study for the tests. Dr. Galston does recommend that you attend the lectures; the text is carefully chosen so that it does not contain all the material which he wants to cover.

This lecture begins with the assertion that biology is dynamic, exciting, and progressive. Great advances have been made in medicine, for example, since the day when one would die very young unless one was lucky and remained healthy. However, medicine will remain open as long as one-third of the population continues to live under substandard health conditions.

Dr. Galston goes on to apologize for omission of part of the standard health conditions. We have no use for the common cold. This is one of the most valuable parts of Tech's small college education. Too much politics? However, in this frenzy of activity, there always is the danger that elections may turn out to be merely "politics," popular, not to say that the quiet but deserving hard worker; election deals between groups; smear campaigns; costly campaigns; personal or house squabbles. These things prejudice the vote, leave bitter feelings and defeat the constructive purposes of extracurricular activities.

Maintaining a same level of competition is really the responsibility of each candidate. In running for office each man must assume this responsibility for a fair campaign and must have a sincere interest in assuming the duties of the office. It behoves each candidate to consider this candidacy seriously. Also, to contribute to campus life, it behoves every person to take an interest; to run for school activities.

A primer for politicians

A number of admonitions might be pointed out to men interested in leadership of campus activities:

1. Don't be afraid to run because of the competition. If you are willing to work, and have shown it, even "career politicians" can be persuaded.

2. Know what you are running for and why. Men who run for glory or for honor points are a threat to good government.

3. Prepare for public appearances; take them seriously and calmly. There is no point in letting stage fright frighten the chances of a good man. The audience will support you unless you harm or show off.

4. Prepare especially for speeches. Think them through, be original, and not trite. Don't use the innocent school theme.

5. Prepare campaign posters in plenty of time. Flimsy or inadequate posters are unfair advertising. Avoid last hour rushes by starting to work now.

6. Lastly—to those not running—contribute your part to overworked candidates and to campus activity by helping out in your friends' campaigns.

Anonymity abrogated

In reply to writers of anonymous letters: The editors of The Tech welcome, and in fact encourage, letters for publication. Good letters, often the source of excellent suggestions and comments, add interest to the paper and to school activities. However, to insure safe, responsible correspondence, we must require that signatures be included. If circumstances dictate, we will withhold names from publication, but we do not print letters from anonymous writers.
The Tournament Park Story

Pool opens as athletic facilities are finished

The last bit of construction work on the Scott Brown Gymnasium and Alumni Swimming Pool will be done this month, and they look to be the culmination of four months and years of delay which have preceded the completion of the work. There is no longer any reason to be skeptical about the date for completion, for every report now and lately has pointed to the pool.

Recreational use

Some question still remains as to how much of the time the facilities will be available to students for recreation. Teams and PE classes have tied up the schedule. The swimming season, with the date of one avenue for future development, will be opened next Tuesday, when the gym was free from 9:30 to 11:30 forunsubscribe recreation. This practice will be continued if response is satisfactory; meantime other possibilities are under consideration, such as Sunday afternoons and perhaps weekday evenings.

Progress reports

Techmen should be amused to read the "progress reports" of the pool and in back issues of the California Tech.

On January 29, 1953, the Tech reports a gift from the alumni, in the form of a swimming pool, to be completed by the fall of 1951. On March 5 of that year it was decided to construct a gymnasium, and this newspaper reported that "The construction of the gym and pool will be finished around June 1541." Ground was broken in April, 1951, and it was a year before progress was evident. An article in the issue of May 27, 1951, revealed that "the pool will not be ready for the fall." On April 15, 1952, estimates were made that the pool "will be ready in the next three weeks."

Four full-time coaches form nucleus of the athletic staff

The man who is in charge of the entire Tournament Park setup is Caltech Director of Athletics, H. Z. Musselman. His staff includes four full-time coaches, several part-time coaches, two secretaries, and a score of interested people. In the opinion of the various people who in one way or another assist in the athletic program, the two secretaries, secretary, and the head coach form the nucleus of the athletic department.

Harold Musselman to Tech in September, 1921, as fresh football and basketball enlist and varsity baseball coach. He later assisted in varsity football and was the varsity baseball coach. He served as varsity baseball coach until 1947—a span of twenty-five years. From 1941, Mr. Musselman was manager of athletics under the late

Robert L. Bruchette, Tech's football and track coach, is a graduate of UCLA, where he was a halfback on the varsity football team for three years. He came to Caltech in September 1949 after a highly successful prep and collegiate coaching career. He coached at Los Angeles High School for sixteen years, where his teams won 7 A "AA" grid titles and 3 "AA" titles. From 1948 to 1949 he was head coach at alma mater, UCLA, and he was chosen College Coach of the Year in 1949 for leading the Bruins to a perfect season and the Rose Bowl bid.

Varsity baseball and fresh football coach, the present man, also comes from UCLA, where he compiled a very impressive record as an athlete. He received awards for three years in football, basketball, and

(Continued on Page 6)

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(Continued on Page 6)
Visiting physicist attempts to illuminate genetic secrets

by June Hunter

Tech was host last week to George Gamow, scientist and author of popular science writing. He is known to Techmen primarily for his books, Mr. Tompkins in Wonderland and One, Two, Three...I

Gamow started his scientific business in Russia, moved to Germany (where he started spelling his name with a "w" and pronouncing it Go-moff) and eventually here. His first interest was nuclear physics, then he turned to astrophysics and now he is trying to apply the same techniques to solving a biological foundation to protein biology.

He likes to feel he is an intellectual pioneer. From field to field by too many newcomers. He says that he is not interested in physics anymore. It was fun when "I was sort of a plowboy." But plowboy or not, his book Birth and Death of the Sun is going into its second newstand reprint after several hardcover editions. It is profitable despite inaccuracies, which he admits but says "I told the publishers I had written a new book. But they said, 'It makes money.' "

...and that's the part they ask you on the final exam...

OPENINGS FOR SUMMER JOBS

The U. S. Government is offering summer jobs to engineering, mathematics, and physical science students. These positions will offer students experience in field work, summer courses, survey, or mapping activities through the summer months.

As Student Trainees, freshmen will be paid $225.00 a month, sophomores, $245.00, and juniors, $265.00. Application cards and complete information may be obtained from the placement office, room No. 120 Throp Hall. These applications will be accepted until February 14 and should be sent to the U. S. Civil Service Commission, 630 Saison Street, San Francisco.

Blacker, Fleming, Ricketts men to enjoy weekend snow party

The student houses will endeavor to undertake another weekend of feverish social activity, highlighted by a three-house snow party. Also on the social agenda will be an exchange with a high school and a college.

Friday evening the men of Ricketts, Fleming and Blacker, Ricketts, Fleming and Blacker, Running Springs, in the San Bernardino Mountains, for their combined weekend snow party. The majority of the couples are expected to arrive Saturday morning and afternoon to enjoy the festivities at Snow Valley, which is about five miles away.

Saturday will be a day of snowballing, tobogganing and skiing, followed by dancing at the lodge in the evening. More of the same is in store for Sunday before the party breaks up that evening.

Needless to say, trustworthy chauffeurs will be among those present.

Dobney house will entertain the oft-invited ladies of Mayfield and Immaculate Heart, at an exchange Friday night.

CHARITIES DRIVE

(Continued from Page 1) have not as yet picked their chairman, Vince Markinovich is general chairman.

Literature has been distributed to all students in order that they may become familiar with the functions of the four organizations. During the drive each student will be visited by a solicitor. Donation may be by cash or check or by a promise on the students' third term bill.

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Tech courtmen win one, lose one
Coach Carl Shy's Caltech basketball team took time out from conference play last week as they split a pair of encounters with Pasadena Nazarene and Los Angeles State. Tuesday afternoon Tech was defeated by the Nazarenes and lost a thrilling 69-67 decision in the final minute of play, but they came back Friday night with a 70-60 victory over the Diablos of L. A. Sate to overcome an earlier defeat by the Diablos' hands.

In the Nazorene game Caltech started out real hot and by half-time had a 35-25 lead. In the second half, however, the Crusaders started moving up and on by a lot of noise from their rooting section, they pulled to within one point at 64-63. Then with about one minute left Tech didn't let Perry put them ahead, 65-64. Jim Tyler regained the lead with a pretty lay-up shot, but Perry again sank two points for Naz to make the score 67-66. Tech's George Madsen was fouled at that point and he sank one of his two shots to tie the game. It looked like the game would go into overtime, but it was Perry once more as he drove in for the basket and scored the final two-pointer just as the buzzer went off to give the Nazarenes a 69-67 victory.

Tech center Phil Conley was high scorer with 21 points and Tyler netted 17. For Past four men had ten points or more. Perry had 16, Pyle 13, Kerns 12, and he sank one of his two shots to tie the game. It looked like the game would go into overtime, but it was Perry once more as he drove in for the basket and scored the final two-pointer just as the buzzer went off to give the Nazarenes a 69-67 victory.

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Different strategy
In Friday night's game with L. A. State Tech used a different strategy as the score was close during the entire first half with the visitors from L.A. holding a 31-28 head at the intermission. But in the second half it was Tech who did the catching up. The Diablos tried to contain Tech with a 3-4 press, but they committed 18 fouls in their panic and the Bulldogs made good on 22 out of 33 tries from the free throw line in the second half. George Madsen led 15 of those attempts and he made 9 while Bill Chambers sank 8 out of 9.

Chambers was the game's high point man with 21, Phil Conley scored 19 points and Madsen ended up with 17. For the visitors Sherman had 17 and Gilmer 15.

Big margin
The ten point margin of victory was Tech's largest since the first game of the season when Tech beat Cal Poly, 78-39. The win was Tech's fourth of the year against nine losses. In non-conference play Tech has lost five games, but the Bulldogs have a chance to even the score with two of these opponents, Chapman and Pasadena Nazarene, later on in the season.

SCAC Standings
The Whitfill Poets have a firm grip on the top position of the SCAC basketball race with a four win, four loss record, but Occidental remained in contention with a 4-1 mark after last game. These two teams meet on February 19 in a game which could well decide the outcome of the casaba race. Redlands, Pomona, and Caltech meanwhile trailed well behind the two leaders.

Win Lost PF PA
Whittier 4 0 281 230
Occidental 1 1 306 338
Redlands 2 2 290 270
Pomona 1 1 302 343
CALTECH 0 4 218 207

Tech's five meets Dogs
The Caltech casabula team returns to conference action Saturday night when they travel to Redlands to meet the Bulldogs in the first game of the second round of SCAC play. The Beavers will be out to avenge the earlier defeat suffered at the hands of these same Dogs before the Christmas holidays.

Big guns for the Bulldogs are Bob Edmondson and Al Rendine and the Dogs also have a bunch of little men who run and run all night.

Next Tuesday afternoon Tech entertains Chapman College in Scott Brown Gymnasium. The Beavers lost a hard-fought 64-62 decision to Chapman in Chapman's little bandbox of a gym in Orange a few weeks ago, but playing on their own bigger floor before the home crowd, the Beavers will have a definite advantage.

Phil Conley will lead the team into action. He has the highest scoring average on the team—22.9 in all games and 15.7 in league—while workouts are being conducted by Dave Wilson.

Tech's frosh stomp Chapman after loss to Nazarene frosh
Tech's frosh bounced back from a 56-62 Tuesday afternoon battering at the hands of Pasadena Nazarene to take their second win from Chapman College 60-56 Friday.

An unstoppable Jim Bond scored 17 points for Nazarene as the cross-town team barely missed the century mark. Height and wonderful spring kept him in complete control under the backboards. Held to a 34-29 advantage at halftime, the Nazarenes broke into a scoring spree in the second half and kept Tech off balance for the remainder of the game. Bond scored a big 29 in that second half.

Late shift
The Chapman game was a result of a late shift in scheduling when it was found that Los Angeles State does not have a junior varsity. Under these circumstances only two men from the Chapman first team could make the game. Seven men comprised their squad.

Ron Marion's 17 points gave him high scoring honors as the Beaverfrosh substituted freely. Sonny Nelson had twelve, Glenn Converse ten, Dick Van Kirk nine, and Frank Rosbach eight.

Larry Berry, Lance Hayes, Kay Sugahara, and Don Wiberg each contributed two points.

Redlands next
Practice is feverish this week in anticipation of the game at Redlands. The teams met earlier this year on the small court our frosh used before the new gym was completed. Tech won a close contest then with the home court advantage, but may be without the services of Dick Van Kirk this week. His Army reserve group seems to feel that he ought to attend a meeting occasionally.

A win would even Tech's record at 4-4. We have won one and lost three in conference play.

Baseball
Frosh baseball practice starts officially in a few weeks. Mean-while workouts are being conducted by Dave Wilson.

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ALL NEW! LUCKY DROODLES!
WHAT'S THIS? For solution see paragraph below.
A STUDENT'S BEST FRIEND is Lucky Strike. At any rate, the greatest, up-to-date college survey shows that college smokers prefer Luckies to all other brands—and by a wide margin. Once again, 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—toes up Luckies' light, good-tasting tobacco to make it taste even better. Luckies taste better anywhere, any time, as illustrated in the Droodle above, titled: Skier enjoying Lucky while whooshing under bridge. Next time you make tracks to a cigarette counter, Be Happy—Go Lucky. Enjoy the better-tasting cigarette...Lucky Strike.
The Beak is overjoyed to report that the Fleming-licensed Fresh and would-be Candidates Swinging Tones, (aka Rhodes) received a dual shaft at the Fleming exchange last Saturday. Swinging Tones threaten the proposition that South Pas damsel home, overwhelmed (and obviously not in her right mind) she acquiesced. Soon thereafter she evidently has no desire to help and they have a very private talk about going unknown to Mr. Rhodes. Hours later he was seen wandering around searching in dark corners; and was heard to mutter something about "a belle dame sans merci" or its lac­ barerate counterpart. Finally abandoned, he had to leave the parking lot only to find that his car had evidently evaporated along with those women. Luckily for Swinge in the wings it must have been very weak for the car got out as far as the Athenaeum parking lot. Moral: The Rhodes of life are often rough.

"Lost Horizon" Y feature film

"Lost Horizon" will be the leading feature of the Y Film Series presentation this Sunday at 7:30 p.m. In Celtenburg, New England, is the epic film production of James Hilton's book and the famous fictional "Shangri-La," a Utopian community disconnected from the world by the high Himalayas. The film's principals are well known to audiences: Ronald Coleman and Jane Wyatt acting, with direction by Frank Capra, who, by the way, flunked out of Tech in the '30's.

On the same program will be shown "Bop Scotch," an abstract short. In this film, fascinating textures and patterns are brought into motion by the paint­ er, Jordan Belson, and partici­ pate rhythmically with lovely background music. The Emperor's New Clothes," a cartoon on the old fairy tale, will also be shown.

The price of admission is 35 cents.

Last sex lecture held next Monday

The last of the three sex lectures "Multiple Love; Wives or Deadlock?" will be given by Dr. Fairfield, Assistant Professor of Psychology at Occidental College, on February 7 at 7:30 p.m.

Dr. William Hawley, Dean of Students at the University of Chicago and acting dean of Chicago Divinity School will be on campus Tuesday and Wednesday, February 15 and 16. He will give two talks to luncheon clubs at the Caltech Club.

Other programs sponsored by the Y to be given in the near future are: "Astronomy and the 200 inch Telescope," by Dr. Jes­ ter, and "community disconnected from the world by the high Himalayas."

The final program for the Undergraduate Lunch Club will be Dr. Robert J. Bolt, who will speak on "Spectroscopic Puzzles in Cosmology." Dr. Stanford Penner is chairman of the Alumni Forum on February 8; and one evening talk.

The Alumni Swimming Pool, mark the culmination of those plans.

Pension

That pocket-sized guide to pocket-sized readers (who else?) got a full-sized ski jump on his pocketed back on his first venture out of his ivory tower. In the finest Hem­ ingway tradition, he nobly refrained from comment­ing on the mishap until he nobly retrieved his own non-chip blood. Revised after 8 stitches, he is reported to have asked meditately for his pocket edition of Marcus Aurelius.

Beauty isn't everything

The Beak's sympathies go out this week to poor pill Purve. The unfortunate fellow was forced into spending an evening recently with a high school football queen. He reports that he had a miserable time. Her brains didn't measure up to her bust measurement, and naturally Purve never gets romantic until an intellectual rapport has been established. It could only happen in Dabney.

Rickets Loose

It breaks our hearts to have to report that Cantor's girl's mother didn't get to read the purity test after all. To all those who rejoiced at the thought, our condolences. To the one soul saddened by this happy thought (l. e. Cantor) our congratula­tions.

Caltech prof speaks at meet

The second Conference of West Coast Spectroscopists, with support from the U. S. Office of Naval Research, is being held at Caltech today and tomorrow. The main address will be given tonight by Dr. Fritz Zwicky of Caltech, who will speak on "Spectroscopy and Structure of the Universe." The conference is being held at Caltech, who will speak on "Spectroscopic Puzzles in Cosmology." Dr. Stanford Penner is chairman of the conference.


Fool to open soon; cracks are not bad

The Alumni Swimming Pool will probably open sometime next week. Swimming classes will begin at that time. The cracks in the bottom of the pool have been found to be of minor nature. They are surface cracks which looked worse because of the presence of dirt.

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