An inspired freshman looks back upon his indoctrination at Camp Radford

By Jerry Fried

Well, new student camp is over, and, unless all the frosh will agree that we had a swell time.

We arrived at Camp Radford Thursday afternoon, and were later treated to some talks and skits by certain upperclassmen and profs.

One of the skits was a takeoff on the so-called typical Tech man. It illustrated the plight of the freshman student. With an I.Q. of 216, was rather unappreciative because he didn't have a friend with whom he could trade tales of accomplishment. Finally he encountered a fellow aawarded without who admitted under no pressure that he consented to come to Tech only after he had begged to accept a $6000 scholarship. The curtain was drawn on the two freshmen discussing their knowledge of higher math, and making plans to register for a course in relativity.

Another highlight at camp was the frosh-faculty softball game. Naturally the frosh won—that was to be expected. But the profs put up a dainty good fight, considering their age and condition. They racked up a grand total of two runs while holding the frosh to only nine (thanks, Huttenbach). Who cares about winning anyway, as long as they can build character.

The curtain fell on the frosh-faculty softball game in which the faculty excelled was mountain golf at night. The lights were turned off at 11:00 P.M. in the hope that everyone would go to sleep, but they didn't disturb the pros. They brought their flashlights into play for the remaining time.

All kidding aside, though, we were really surprised to find that they did not disturb the rest of us. We'll all be busting from now on (rill the little blue slips coming in, any way).

(Continued on Page 5)

New officers head AFROTC

This year's Caltech AFROTC staff includes three new faces. Thomas L. Johnson, professor of air science and the new commandant of the Caltech AFROTC, is a Tech grad, assistant professor of air science, and Tech AFROTC's Col. Lyle F. Jones, district, is the new commander. Johnson was advisor and consultant to many cities and counties in Southern California in connection with engineering geology problems.

Deans name Tech brains

Fifty-six students have been awarded honor standing for the 1953-54 school year, according to Dr. Ernest Swift, chairman of the faculty committee on undergraduate scholarships and honors.

The committee conferred the honor on 16 men and 40 women in last year's freshman class and the 16 men in each of the sophomore and junior classes. Honor students receive special privileges such as instruction in honor sections and admittance (Continued on Page 4)

Get hep, son; real queens!

The new frosh class will receive the introduction to the charms of Southern California women at the Freshmen Tea Dance this coming Sunday, Oct. 3, from 2:30 to 5:00 P.M. in the lounge of the Dabney Hall of Humanities. The dance, an annual affair sponsored jointly by the ASCIT and the YMCA for the benefit of the entering frosh, will feature the dance music of Don East and his five-piece ensemble.

As has been the custom in past years, the dance is expressly for froshmen, and, except for a small group of "bouncers" headed by dance chairman Ed Win Berry, no upperclassmen will be allowed at the dance.

Girls for the dance will come from houses of Pasadena, Westridge, Mayfield, and Occidental College.

Juniors to stage big beach brawl

The present juniors, class of 1956, have announced their intention to disappear in the direction of Santa Monica beach this coming Sunday. All bona fide members of the class have been invited.

The blast is scheduled for the hours from noon to midnight, or until something gives. It will be a big night, and refreshments will be served.

If this announcement proves inadequate, confiding juniors are encouraged to see Dick Johnson, class president, or some other class officer, or someone.

Tech mourns loss of noted geology prof

Caltech lost the grand old man of its geology department, and the world at large lost one of its best structural and engineering geologists last August upon the death of Professor John P. Buwalda. Dr. Buwalda died suddenly on the evening of August 19 after a day in the field with his son Robert.

Dr. Buwalda came to Caltech in 1910 to organize the Division of the Geological Sciences. He served as chairman of the division until 1947 when he retired from this post to devote more time to research in structural geology.

Dr. John P. Buwalda

He was born in Wisconsin, Michigan, in 1886. He received his B.S. from the University of California in 1912 and his Ph.D. there three years later. In the following years he was a faculty member at California and at Yale before he came to Caltech.

Dr. Buwalda was advisor and consultant to many cities and counties in Southern California in connection with engineering geology problems.

(Continued on Page 4)

New freshman officers emerge with new officers after three days of loafing, speeches, and fun

The freshmen class, 165 strong, spent 3 days last week at the annual New Student Camp at Camp Radford in the San Bernardino Mountains. The camp, the new students' first contact with Caltech, featured many professors and upperclass students, and the appointment of the new class chieftains.

For the first time in the history of the camp the traditional softball, volleyball, and mountain golf games, and the Amalgamation Band Concert.

Dick Kirk, as freshman class president, heads the list of appointed officers who will lead the class of '58 until an election can be held at the beginning of second term. Other officers are Jack Ullmeyer, vice president; Ron Leonard, secretary; Lane Spencer, treasurer; and Clark Rees, athletic manager. Ken Collins and Jon Mann serve as representatives of the freshmen on the Board of Control.

The freshmen's activities began with registration last Thursday, October 7. Following that they departed in busses for the camp. Upon arrival there they were distributed to the cabins, collected for their first General College course, and then ambled in the lodge for the first series of speeches.

The three days at camp, the freshmen and transfers were addressed by President T. S. Bridges, president of the Institute, Jim Adams, student body president, and many other faculty.

Freshmen return from camp

Mayhew master of houses; Harvard man enthusiastic

By John Young

We are always curious when new neighborhood moves in, and in the tried and proven "May-we-borrow-a-cup-of-sugar" method of introduction, we had a chat with the new Master of Student Houses, who is already a house father to all the "master"—with the connotations of Simon Legree and the bull·

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Another year ... 

After the recent summer, the Caltech campus greets its students with a familiar, but somewhat brightened appearance. The process of education, with its growth and changes, seems to work two ways, for not only is Caltech molding the lives of students, but in turn the self-discipline of the young school itself appears to be changing and growing.

The most obvious evidences of this growth, like a few more pounds or muscles, are the additions to the physical plant. As part of a consequence of some pretty outstanding work in biochemistry, Church lab, now an impressive hole, will soon become another palace of scientific research along these lines. The dream of many years, the athletic center, is now taking definite shape as the imposing structure in Tournament Park. And for a further chance to flex those muscles, a basement room in the student house is being equipped as a gymnasium.

On the academic side of undergraduate life, some Tech men will notice a considerable change in curricula, more freedom, with fewer electives, and even a new unscheduled, astronautical engineering. An experiment of many years, the accelerated sophomore program with third-term research work, has been abandoned.

But for most of us the greatest indication of another year's growth, outside of change in our companions—the departure of last year's seniors, to whom we wish the best of fortunes, and the arrival of 165 freshmen after eight years of education at Tech. To these freshmen, as to other newcomers, the California Tech joins all of Caltech in a friendly welcome and a most sincere greeting. We're pleased to see these additions and changes in Caltech, just as we look forward to the maturing of its students, the ultimate concern of the California Institute.

New rotation rules

In keeping with the Honor System and the spirit of mutual cooperation, the Interhouse Committee adopts the following statement of policy on frosh rotation for the fall, 1954:

During rotation no frosh shall:

1. Ever step on the campus of any other house.
2. Ever drink within the campus of any other house.
3. Ever introduce himself to any house.
4. Ever bend his head, or lift his arm, or do anything else, to any house.

During the pre-camp and rotation week period, the House Post will recommend the following fines, and in case of an appeal, the Interhouse Committee will be the final authority on the amount of the fine:

(a) For stepping on the lawn of another house, $0.50.
(b) For stepping on the lawn of another house, $1.00.
(c) For stepping on the lawn of another house, $2.00.
(d) For stepping on the lawn of another house, $5.00.

As a guide the following specific do's and don'ts have been adopted:

Do's are encouraged to state a preference for a particular House to the House President or the Resident Advisor. Such a preference will assist in making homogeneous assignments.

Only the President of a House may extend an invitation to a frosh, and only after the frosh has expressed a preference for that House.

During rotation no House shall:

1. Ever see a frosh.
2. Ever bend his head, or lift his arm, or do anything else, to a frosh.

During rotation a House may:

1. Bend its head, or lift its arm, or do anything else, to a frosh.
2. Ever see a frosh.

Post the coming social program.

This Frosh is defined as the organized body as a whole, or its individual members.

A woman is but an animal, and a normal male the highest order.

—Edmund Burke

Three months away from Tech has been enough to make a few brave Tech men wonder about Burke's view of women. Here's the story of some of those who have departed and some of those who may depart.

Dear departed

As the spotlight turns and falls upon the happy faces of surviving Blackettes, we wish to deliver this letter of silent prayer to those who have departed for more pleasant surroundings: Helena Brown, Lawrence, Pleas­man, Beiter, and Powell. If you are Blackette enough you probably regard her retor as "The European girls from California, more than American girls" from world-traveler Bee to Arp's comment, "the old telegraph circuit was too far away. I could find thirty miles out to sea were more convenient, and they swam too fast." (17) To Stark's classic observation, "I had a long, dry summer." As this frosh should secret their secrets will remain well guarded until after the summer time rolls around once more.

Turnover

Fourth! The familiar student house call to house is heard once more as miscreant Darbs return to the fold after a number of work, surf, and... sex! The number of old familiar faces around the Dalkey tables were missing. Notable among these was "Tiger" Bob Mandi ex offi­ce house virgin and house stow who was welcomed with open arms by the USAF. Mick Hol­man and Don Wilson moved to greener pastures, namely Cal and Oklahoma respectively. These expatriates were, how­ever, more than compensated for by the return of Jerry Freeman (house disease) who returns after a year in the northern wastes of Alaska.

A woman's escape

The brittle of city life moved some of the more regular members of the house to abandon civil­ization for the great outdoors. Jetter, Leb, and theMandl's were away for 18 days in the Sierra in a rocker trip. Chuck Brokaw also spent a few days in the mountains with his high o'own. But despite all this revelry most of the troops misspent the summer months in millwork living from the capitalist barons who prey on such innocents.

PHOTO OF THE WEEK

In the soft, natural-shoulder construction of our CARL'S SUIT, you will discover the ultimate in correct comfort and distinction. If Desired

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AUTHORIZED WESTINGHOUSE LAUNDROMAT

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FEATURING ONE-STOP SERVICE DRIVE-IN PARKING

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WE GIVE S & H GREEN STAMPS

S Y cranes 2-2300

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INVESTIGATING THE SUPER-NATURAL

In the soft, natural-shoulder construction of our CARL'S SUIT, you will discover the ultimate in correct comfort and distinction.

IT'S A 2 TO 1 BET that 2 out of 3 uppersman will recommend CARL'S

906 East California (Near Lake Ave.) ST, 3-7554

CALIFORNIA TECH

Friday, October 1, 1954

Here's dope on Fulbrights

Last year there were 71 applic­ants for Fulbright awards from M.I.T. and only 3 from Caltech. Several of the faculty members for technically trained students in the pro­gram are especially good, Tech men are urged to remedy this situation.

Fulbright awards cover the expen­ses of a year's study, including transportation, tuition, and living expenses, in a large number of countries in Europe, Asia and Australia.

Applications for the year 1955– 56 must be filed by November 1, 1954. The Fulbright Adviser at Caltech is Professor H. W. Gil­bert; members of the Caltech selec­tion board are Dr. Carl And­erson and Dean W. N. Lacey. De­tailed information regarding the Fulbright program can be se­cured from Professor Gilbert, 104 Dalaney Hall.

A year's travel and study abroad can offer some very concrete advantages for a young student.

(1) A chance to step out of the conventional study routine for the fall, 1954.

(2) Breadth of experience and background.

(3) Valuable professional con­tact.

(4) A chance to see something of the world at the only time in your life, if you can afford.

In honor which gives per­sonal satisfaction and pro­fessional assistance.

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In honor which gives per­sonal satisfaction and pro­fessional assistance.
Robertson is SHAPE aide

Dr. H. P. Robertson of the California Institute of Technology has been appointed scientific advisor to Supreme Headquarters, Allied Powers, Europe (SHAPE), headed by Gen. Alfred M. Gooder, Supreme Allied Commander in Europe.

He is taking a year’s leave of absence as professor of mathematical physics at Caltech and plans to leave for Paris early next month.

The position of SHAPE scientific advisor is newly created by the North Atlantic Treaty Organization (NATO), which authorized Robertson’s appointment. His office is to supply scientific advice on military problems which arise in any of the divisions of Gen. Gooder’s staff.

An authority in operational research, Prof. Robertson is on his second extended tour of military duty as a civilian since World War II. For two years, from 1960 to 1962, he was on leave from Caltech to serve as research director for the Weapons System Evaluation Group in Washington. This agency performs studies on optimum use of weapons for the U.S. Joint Chiefs of Staff and the Research and Development Board in the Department of Defense.

During World War II, Dr. Robertson made extensive contributions to our defense in several capacities as a technical advisor. Last April he and Caltech President, L. A. DuBridge, participated in SHAPE’s Command Post Exercise in Paris as official U.S. scientific delegates. In his new post Prof. Robertson will be assistant to the SHAPE chief of staff and will act as an authority on science.

Dr. and Mrs. Robertson live at 800 Auburn Ave., Sierra Madre.

SUCCESS STORY: Camels—America’s most popular cigarette...by far!


do more.

The economical, compact, and air-cooled pancake engine of VW is now matched by a body made equally as compact and air-cooled by a roadside ditch in Kansas. In spite of the fact that the machine is now classed

Shall we report that Ricketts’ crowning pinnacle of virtue has fallen into the black abyss. Gil Beebower is reported to have lived all summer with a divorcée who treated him to a rent-free room, out of the kindness of her heart or something. Explained his new post Prof. Robertson will be assistant to the SHAPE chief of staff and will act as an authority on science.

Camel Mildness Test. See how Camel’s smooth mildness and good rich flavor agree with more people than any other cigarette!
DEAN'S NAME
(Continued from Page 1)
to more advanced subjects and
research work.
Honors students in the class of '55 are: Jim Adams, John Andelin, Charles Brokaw, Delano Brouillette, John Domingo, Eugene Engels, Gary Guyron, Stanley Grotch, Al Helgesson, John Hensaker, Harold Kramer, Hugh Leney, Gerald Lipsey, John Merrill, Ralph Miles, Thomas Noonan, Richard Read, and Don Roberts.

In the class of '56 are: Norman Albright, Kyle Bayes, Howard Berg, Tom Bergeeman, Myron Black, Chuck Bodeen, Robert Bradford, Dave Cantor, William Chappie, Everett Eiselen, Lyman Fretwell, Dick Johnson, Paul McAloney, Roy Orbach, Rex Peters, Bill Spence, Ray Weymann, John Young.


FRESHMEN RETURN
(Continued from Page 1)
...ty members and students. The purpose of the numerous speeches was to give the students a preview of the months ahead, and to encourage them to enter into campus activities while maintaining a good record.

Certainly we've grown. We've had to grow to serve a bigger market, to meet increased competition and to satisfy more consumer needs. But in proportion to the total business, we aren't as big as we were 44 years ago.

Seen in perspective, the picture is clear: the Union Oil Company, like so many so-called "big" companies, is really getting smaller all the time!

UNION OIL COMPANY
OF CALIFORNIA
Buy American and protect your standard of living.
**Beavers, Hens meet tomorrow**

By Arne Kalm

Head coach Bert LaBrucherie unveiled the 1954 edition of the Caltech football team last night when the Beavers took the field against the Pomona-Claremont Sagehens. The Hens were conference champs last year and they have nearly their entire team back. The Beavers have a host of new talent, led again by Cedric Scott, a fine passer and punter, at quarterback.

Caltech, on the other hand, will be hampered again by inexperience. Although there will be nine lettermen in the starting lineup, there will be very few men with varsity experience to back them up. In fact there is a total of only eleven lettermen. Tech lost nearly its entire line through graduation and it was hard

**Heroes wanted**

The California Tech sports department is in dire need of writers. As of the present time it doesn't have any and that means that I—the sports editor, that is—have to do it all. I am sure that many of you are waiting for the chance and this is your golden opportunity.

Also, Fresh Sports Roundup is begging for a writer. This is your big chance to see your name in print, you frosh. If you are at all interested come down to the California Tech office Monday night or see Arne Kalm, in Dubney 12.

**Soccer, polo men practice**

Caltech’s soccer and waterpolo teams opened practice on Tuesday with many eager candidates returning from a summer of loafing.

Soccer coach Sedat Serdengecti and his part-time assistant Deb Hruttenback face a big rebuilding job as only five lettermen are returning. But Tech has only lost four games in the past four years and Hruttenback has a reputation to uphold. Tech will have two teams this year, varsity and jayvee, and they will be participating in separate leaguers. First games for both are on October 9, the varsity against Pomona and the jayvees against Thacher.

Water polo coach Don Garman has been forced up to the P.C.C. pool again this year to prepare for the coming season. The varsity will be sparked by all-conference forward Bill Davis. The frosh also seems to have a good crop of men out.

All the water polo men are eagerly waiting for the opening of the new pool, but it looks like a long wait.

**Students!**

**Got a Lucky Droodle in your noodle?**

**SEND IT IN AND MAKE $25**

Want to pick up $25? Make up a Lucky Droodle and send it in. It’s easy.

*If you want to find out just how easy it is, ask Roger Price, creator of Droodles. Very!* Price says. Better yet, do a Droodle yourself, like the ones shown here. Droodle anything you like. And send in as many as you want. If we select yours, we’ll pay $25 for the right to use it, together with your name, in our advertising. We’re going to print plenty—and lots that we don’t print will earn $25 awards.

**Start the droodle game!**

**Drop bundle service**

**“LEAVE IT — WE DO IT!”**

**24-hour shirt service**

**Finish laundry & dry cleaning**

**Lake Ave. Wash out 153, Lake Ave. Caltech.**

**STUDENTS!**

**Luckyies lead again in Colleges!**

LUCKIES LEAD AGAIN IN COLLEGES! Thirty-nine freshmen turned out to meet coaches Ed Preister and Art Miller last Monday to start off their athletic careers here at Tech. The football frosh will have their heaviest sched-

**Frosh Sports Roundup**

The team is working on blocking drills and learning fundamentals in order to get the men into condition for the opening game against Oxy on October 16. In addition to the Tigers the Beavershakes play Whittier, Po-

**Breakfast, lunch, dinner**

**Flash!**

**Cigarettes lead again in Colleges!**

Latest, biggest survey of smokers in colleges from coast to coast, based on 34,440 actual student interviews, shows that students prefer Luckies to all other brands. Once again, the No. 1 reason: Luckies taste better.
DABNEY LOUNGE BRIGHTENED BY DUFY PAINTING EXHIBIT

Speech men meet Monday

Dr. George W. Beadle, Dr. Ernest H. Swift, and Dr. Norman R. Davidson have been awarded honors by their fellow scientists during the summer months. Dr. Beadle was awarded an honorary D.Sc. by Rutgers University on the occasion of the dedication of the new Rutgers Institute of Microbiology. Dr. Swift has been named recipient of the 1955 Fisher Award in analytical chemistry of the American Chemical Society. This $1,000 award is made in recognition of outstanding contributions to the science of analytical chemistry. Dr. Davidson has been chosen 1954 recipient of the California Section Award of the American Chemical Society.

Dr. Beadle is noted for his development, with Dr. R. L. Ta- tum, of the bread mold, Neurospora, as a research tool for the study of heredity and biochemistry.

Dr. Swift's research involves the application of physio-chemical principles to the solution of problems in analytical chemistry. He has written three books on this subject.

Dr. Davidson is specifically recognized for his investigation of the rates of very fast chemical reactions which may take place in less than a thousandth of a second.

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