The presence of almost two hundred freshmen faces among the students at the beginning of the academic year must have been the sign that New Student Camp was over and ready to go to work. The camp was held Thursday, Friday and Saturday.

The freshmen were newcomers. Among them were almost 180 men, contrary to rumors that had been heard earlier to the effect that too many applicants had been accepted. The ranks were swelled at every camp hour to the happy presence of upperclassmen. The freshmen in turn were made to feel that they were really members of the student body.

Highlight of the camp program was always the address given by Dr. Lee DuBridge, president of the Institute. And as freshmen entered the auditorium on the last day of the three days the new students also listened to a great many other addresses, talks and "sessions" given by student leaders and faculty members on various subjects of Caltech life.

The new class showed considerable interest in athletics, but could not compete with the faculty in softball, as the old men of science took the traditional softball game for the second year in a row. In music the new men were an unqualified success, and the Grand Alumnae Concert Band, though not as large as usual, was heard to be a great success. As usual, the most musical society organization to be heard in several years.

While at camp Bob Ingram of Alhambra was chosen as a reserve on the varsity football team. Other officers are:

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<th>Officer</th>
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<tr>
<td>Dick Morse</td>
<td>President</td>
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<td>Bob Kauzen</td>
<td>Sergeant</td>
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<td>Bob Logeman</td>
<td>Athletic Manager</td>
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<td>Brent Danka</td>
<td>Board of Control</td>
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<td>Bob Houbolt</td>
<td>Clerk</td>
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<td>Cliff Frazer</td>
<td>Reporter</td>
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Juniors to hold picnic at beach

Juniors class social chairman Doug Ritchie has set Sunday, October 6, as the date for the popularly engaged junior beach picnic. The place is Playa del Rey, beach, south of Santa Monica. Members of the junior class are invited to be heard in several years.

Dr. Neher will be a cosmic ray consultant

Prior to that, Dr. Neher was in Belgium, where he was engaged in cosmic ray research. Following their stay in India, Dr. Neher and his wife will visit several of the more important continental research institutions, where Dr. Neher will have a chance to meet and exchange ideas with European physicists doing research on cosmic rays.

Parking regulations changed; car spaces remain scarce

Two changes in campus parking regulations have been made by ASCIT. The old men have been an unqualified success, and the Grand Alumnae Concert Band, though not as large as usual, was heard to be a great success. As usual, the most musical society organization to be heard in several years.

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Friday, September 30, 1955

This is your chance

Another September is almost gone, another school year is under way, and another freshman class is groping its way through the mysteries of the first term at college. New friends, new teachers, a new home, and a dozen kinds of nervousness are confronting the newcomers, and the decisions and orientations which the freshmen make in these next few weeks will be vitally important to their present and future happiness.

The two greatest adjustments to be made are to the stringency of academic life, and the environment of the student houses. But while almost every effort is going to attack the former with all the resources at its disposal, some are going to completely neglect the latter. It is these men to whom this editorial is addressed.

The program of frosh rotation receives a lot of emphasis, first at student camp and then more so after its formal beginning in the first day of classes. No amount of emphasis would be too much. The college years are the most critical years of a lifetime; they are the years that separate the idealists from the cynics, the theoretics from the pragmatists, the socials from the antisocials, the versatile from the narrow.

And, with the single exception of a man’s own drive and ambition, the greatest factor in determining which of these paths his development will follow is the people he chooses to associate with during those critical years.

A freshman has already made a good beginning when he enters Caltech. In any house at Tech there are dozens of mature, well-rounded students who represent the very finest among college men anywhere.

Nevertheless, the mere presence of these men in the same house with a freshman does not guarantee that he will benefit from their companionship. There must also be a similarity of personality and interests between fresh and their house brothers, or friendships can never fully develop. It is the purpose of freshman rotation to determine where these similarities are strongest; and it is each freshman’s duty to himself and his house to make every effort to find the house where, after joining, he will meet the best good men, the most healthy contacts, and begin the lasting and beneficial friendships with his house brothers.

It is no tragedy for a freshman to be assigned frivolously to a house where he did not originally find the most promising atmosphere. Almost every man in every house on this campus will meet the most interesting people by the time he is a senior, that he was darn lucky to end up where he did, and that he wouldn’t live in any other house for anything. This is because, as we have said, every house on this campus has its share of good men, and adjustment is surprisingly quick and easy.

But it is a major tragedy for a freshman to hold back, to put out less than a total effort during the rotation period. At no time in his life will he ever again have such a chance to meet so many friends his own age. And all the rest of his life the Tech graduate will show the marks of the house he entered and the friends he chose, an unmistakable imprint on his personality. It is his own mistake not to make the most of his chance.

In the fall a Techman’s fancy turns from the thoughts of sex that have occupied him all summer to the more serious matter of the sex that will occupy him during the winter. This book has undertaken the formidable task of awakening these men to the pitfalls which await them at every turn of the long path leading to the boudoir. Two careless people in particular provide object lessons, i.e. “Griff” Ortman whose troth was recently, and Bill “Landelubbers lie down” Balow, who entered into holy wedlock and transferred to UCLA after getting married.

A disgraceful miscarriage “Hooks” Converse has just returned from his two month tour of Europe, bringing back many souvenirs, none of which, we hope, are contagious. Speaking of diseases, there is a great deal of mystery surrounding the strange rash contracted by Van Kirk and a group of Caltech-Arizonans on a trip “Scott.” Preliminary investigations prove conclusively that it is not poison-gas. Doctor Bailey, the world-renowned authority on tropical diseases, has been called in on consultation.

Even all the way up in the Yukon, Schroeter managed to dig himself up a female. Report has it that he knocked her dead. So proud was he of his performance that he brought her teeth and claws back with him, and her pelvis is being tested. Eleven feet tall she was, but boy, could she hug.

Apropos of old relationships, John “You all” Bailey roomed with Bill “Sniff, Slap” Davis down in Los Angeles last summer. Davis taught Bailey how to fly, and Bailey taught Davis judo. We hear that too much rabbit punch exercise makes it impossible to slap the muscles.

Rumor has it that Myron Black is once again but on the trail of a young lady who, in years past, has had to visit a

(Continued on Page 4)

What’s doing

at Pratt & Whitney Aircraft

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Campus Brewins

Here’s something unique in education.

Near the Pratt & Whitney Aircraft plant in East Hartford, Conn., a full-fledged graduate center was established this fall by Rensselaer Polytechnic Institute. Located 115 miles from R.P.I.’s home campus in upper New York State, the new graduate facilities will enable working engineers from Pratt & Whitney Aircraft and other companies in the Hartford area to continue their studies. Without interrupting normal employment, it will be possible for students to obtain advanced degrees in specialized fields from the nation’s oldest engineering college.

Designed to raise the level of knowledge and to broaden the base from which advanced research can be approached, this entire program will simultaneously lead enrolled engineers to greater achievement in their careers.

First 702 Computer in East. Just installed, this advanced I R.M. computer joins earlier electronic marvels that played a vital role in the development of Pratt & Whitney Aircraft’s famed J-57 jet engine.

Newest Supersonic Fighter. The Chance Vought F2U, latest in a growing group of military aircraft to fly faster than sound. Like most other record-breakers, it is powered by a P & W A J-57 turbojet.

World’s foremost designer and builder of aircraft engines

Pratt & Whitney Aircraft
DIVISION OF UNITED AIRCRAFT CORPORATION • EAST HARTFORD, CONNECTICUT

Last Wasp Major, most powerful piston engine ever developed, is shipped by P & W A. This marks end of an era as turbojets take over as the source of power for heavy bombers, transports and tankers.
Tech loses two faculty members as Chaitkin and Judy succumb

Word has been received of the death this summer of Clinton K. Judy, professor emeritus of English at Caltech, and Jacob Chaitkin, lecturer in Russian, and low here.

Tech trustees promote 26

Promotion of 26 faculty members of the Institute was announced by the board of trustees. The promotions, effective for the coming academic year, are as follows:

From associate professor to professor: Donald E. Hudson, mechanical engineering; Thomas Lauritzen, physics; Lester Lees, aeronautical; W. Duncan Rannie, mechanical engineering; Roger Stanton, English; Vito A. Vanoni, hydraulics.

From assistant professor to associate professor: Julian Cole, aeronautics and applied mechanics; Yung-Ching Fung, aeronautics; Rolf Sabersky, mechanical engineering; Max L. Williams, Jr., aeronautics; David S. Wood, mechanical engineering.

From research fellow to senior research fellow: Felix H. Hoeben, physics; Donald Coles, aeronautics; Henry Hellmers, biology; Richard E. Marsh, chemistry; Walter S. McNutt, Jr., biology.

From instructor to assistant professor: Heinz E. Ellersieck, mathematics; Anatol Roshko, aeronautics; and Theodore Y. T. Wu, applied mechanics.

Dr. DuBridge back from summer trip

Dr. Lee A. DuBridge traveled this summer with Mrs. DuBridge to Australia and New Zealand on a goodwill tour for the Carnegie Foundation.

Acting as an “ambassador” in connection with the Foundation’s travel grant program for graduate students in nuclear research.

When your courses are set
And a dream-girl you’ve met...
Have a real cigarette — have a CAMEL!

Man, that’s pure pleasure!

It’s a psychological fact:
Pure pleasure helps your disposition.

If you’re a smoker, remember — more people get more pure pleasure from Cams than from any other cigarette!

No other cigarette is so rich-tasting, yet so mild!

Student rates for L. A. Philharmonic

Any Tech graduate or undergraduate interested in attending the Los Angeles Philharmonic Orchestra concerts this season can get a 20% discount on season tickets by contacting Al Farley in Blacker. Good seats are still available for the three series in Los Angeles. There is a series of 18 concerts on Thursday nights, or alternatively, the split-up series of 12 Friday afternoon concerts and six Friday night concerts.

The big news
breezes in...

Two new campus styles arrive, via Arrow. This button-down shirt, with soft roll collar, marks a great advance—a new first in fashion. Have a real cigarette — have a CAMEL!
succession of convenient relatives every time Master Black wanted a date. Undismayed, he is giving odds that he'll take her to the Interhouse. Place your bets at the parimutual machine in Blacker lounge. Actually he should take lessons from Gordon Reiter who keeps being annoyed by long distance phone calls from out Scripps way. The Beak’s award for horniest of the week, however, goes to a certain junior transfer student. He was picked up at the airport by a couple of guys, and on the way back to school they spied a damsel in distress parked by the side of the road, attempting to get her car started. The ever eager gentlemen stopped to render succor, and gave the young lady a push. As the car sputtered and coughed to life and took off down the road, a quick survey revealed that the transfer student was nowhere to be seen. He had jumped on the running board and climbed in next to the beauty, and was not seen again for three days. That is really quick work.

Dr. Norman Chin

...in petroleum, too, everything but the pig’s squeal

"I HAVE READ that in a free country, business is more efficient because it must compete successfully to survive.

"I believe this sincerely. For I lived in China, India and Europe before becoming a United States citizen seven years ago. No one equals Americans for sheer ingenuity in finding better ways to do things.

"I am thinking, for instance, of how at Union Oil today we use—as they say in the meat-packing industry—everything but the pig's squeal.

"Sulfur is a good example of what I mean. At the start of the Korean War the government put it on top priority. Curiously, though, one of the waste products of petroleum refining is a form of sulfur—hydrogen sulfide. We were convinced that we could convert enough throw-away hydrogen sulfide into valuable elemental sulfur to make a special plant worth while. We put it up to management and got a go-ahead.

"Our project was a success. We now recover about 120 tons of sulfur a day. It was good citizenship, too. Because by creating a new supply of sulfur we're helping to conserve the country's natural resources.

"All this from material once thought the refuse of refining! See what I mean by the ingenuity of us Americans?"

Typically modest, Dr. Ch'in does not mention he was process engineer of the original Sulfur Recovery Unit at our Los Angeles Refinery. This was one of our first steps in diversifying our business through chemical by-products of refining.

But Dr. Ch'in's original point is most pertinent. For it is possible that none of these things would have happened, if we lacked the incentive to find new ways to do a job more efficiently than our competitors.

YOUR COMMENTS ARE INVITED. Write: The President, Union Oil Company, Union Oil Bldg., Los Angeles 17, Calif.
Coach Bert LaBrucherie unvels his 1955 edition of the Caltech football team tomorrow night as the Beavers travel to Buena Park to meet the Bulldogs in the conference opener for both teams.

Talked as pre-season favorites, the two Caltech squads in recent years, the Beavers and Bulldogs, will meet to determine the conference leader. The encounter will make up the bulk of the two teams' schedules. The Beavers will go on the field tomorrow as an underdog, as the Bulldogs are the green-jackets at home. The Bulldogs have the team to beat for the conference title. With twenty-four returning lettermen and two games under their belt already this season, the Bulldogs will have a big edge on the Beavers in experience. The Maroon and White team tied the Burston Marines, 20-20, in their opening game last Saturday.

Tech figures to be strong down the middle this season, with guards Kyle Bayes and Larry Berry and tackles Del McCune and Larry Whitlow key men in the line. Quarterback Phil Conley, SCIAC total offense leader last year, and fullback Ed Krehbiel have been backfield standouts both on offense and defense.

Others who have shown flashes of brilliance are end Bill Moiser, Luke Bogdanovic and Ed Nelson; halfbacks Don Stocking and Marty Tangora; and linemen Joe Lingerfelt and Steve Nathanson. Transfer student Chuck Malone figures to be held either at halfback or fullback.

In last year's outing against Redlands, the Bulldogs walked off with a 33-6 win in the Rose Bowl.

Probable starting lineup of Tech is: ends Ed Nelson and Luke Bogdanovic; tackles Larry Whitlow and Del McCune; guards Kyle Bayes and Larry Berry; center Joe Lingerfelt and Steve Nathanson. Transfer student Chuck Malone figures to be held either at halfback or fullback.

Harrises promise front running year

Varsity cross country prospects look good this year. Last year the Beaver long distance men came home second only to Occidental in the conference. Seniors Don Lewis and Fred Wittenborn, the only returning lettermen from last year's squad, are two of the best distance men in the conference. Up from last year's starting fresh team are Tom Moore, Reed Saunders, Mike Ruesch and Danny Wulf. These six men will form the nucleus of what should be Tech's best half-mile-and-outfit in several moons.

The freshman harrier team is still looking for heroes. Several of Tech's best runners never ran in high school. Some unknown frosh may be the next Wes Santee, but we'll never know unless they try for the team. You don't need previous experience, frosh, so come on out. Don't you know, "It's fun to run."

Prospects for both sports, the emphasis being on quality rather than quantity on athletes. With football at the starting gate, it looks like the frosh team will be spearheaded by quarterback Bob Ingram, a man with three years of high school ball behind him. Joe Hughes has had some experience in the line and looks like a good bet for a starting berth. John Evervett and Bob Huebotter, a pair of hefty offensive ends, also look sharp.

Water Polo enjoys a wealth of talent in Doug Carmote, captain of the Glendale High team, Bob Blandford with three years experience, and Tom Nyloft of Pasadena with two years background. The swimmers look sharp, with Elmer Sanborn a top freestyler's prospect and Keith Brown looking sharp in diving.

The basketball team will feature five men with two years of high school ball playing behind them. They are Bob Huebotter, Bob Evenhoo, Bob Ingram, Ray Magdaleno, and Larry Kraus.

In tennis, the frosh are lead by Frank Curtina, Colorado state high school champion. Charles Melano and Clint Frasier both have three years experience.

Bill McClure looks like a red hot prospect in track with best marks of 6' 5" in the high jump and 18.4 in the high hurdles. Vic Johnson, who has four years experience in the polevault and discus, and John Boldon who has four years background in the high jump and hurdles will also bolster the team. Bob Ingram is also an experienced hurdler.

Baseball looks good with six years behind John Kelley at pitcher and first base and four years for Dennis Rill, in the outfield. Bob Huebotter and Fred Newman also have three years experience.

Annual senior drop of brililance are ends Bill Moiser, Luke Bogdanovic and Ed Nelson; halfbacks Don Stocking and Chuck Malone; and fullback Ed Krehbiel, returners from a year ago. Ed Nelson and Luke Bogdanovic have been backfield standouts both on offense and defense.

Despite Tech's much improved lineup, it looks like the nod will go to Redlands by 13 points. I wish I could tab it different, but the record is too much with the Bulldogs.

It's too bad that Tech must meet Redlands in the first game of the year. Every year the Beaver's get their spirit up high for the first game only to meet the roughest team they meet all year. A let down is inevitable after running up against a stone wall. If the team could meet an easier opponent on their first outing, their outlook the whole rest of the season would be favorably brightened. The added experience would help against a harder opponent as well. It's too bad the Athletic Department can't change this situation which occurs every year.

SPORTINGLY YOURS, 
by Bill Davis

Look's like a lucky day tomorrow night. Redlands is the pick to walk off with the conference title this year and are looking forward to Caltech as the appetizer on their victory banquet. Redlands will field an experienced team, featuring a sharp passing attack. The two games tready under the Bulldogs' bell will also work, to their advantage.

The Beavers will go on the field considerably better off than they have been in recent years, especially on defense. The middle of the line looks like a rock and defensive halfbacks Phil Conley and Don Stocking may curb the longterm Tech weakness: pass defense. Stocking's light weight may work against him, but he has football sense, which may make up for it. End and center seem to be the weak spots. A speedy, pass catching and to grab Conley's posses would certainly spread the defense.

It's fun to run.
**Cool Corner**

by Frank Kofsky

Meet Mr. Gordon, Bob Gordon, glee club director and now afoul of the AFROTC. A veteran of World War II, Mr. Gordon was awarded the Bronze Star for his services in the Pacific Theater. As a result of his military service, Mr. Gordon has been commissioned as a 2nd Lieutenant in the AFROTC.

In August of 1955, Bob Gordon, considered by many to be the foremost baritone saxophonist in modern jazz, was killed when the automobile in which he was riding was struck broadside by another vehicle. His untimely death cut short a brilliant, if brief, career, which saw him leap from a position of relative obscurity to that of the most sought-after recording artist in West Coast jazz circles.

Gordon was first introduced on the Chet Baker Ensemble, another Pacific Jazz record (PJLP No. 9), in the spring of 1954, and a short time later Meet Mr. Gordon, an album also scored by the versatile Jack Montrose, was issued. Subsequent to these releases, Gordon, nominally under contract to Pacific Jazz, was recorded as a featured soloist in Los Angeles, and Pacific Jazz has emphasized that neither they nor the artists to appear will retain any part of the proceeds.

Among the many jazz artists who are scheduled to play on the night of the third are Shery Rogers, Jim Giuffre, Pete Jolly, Chico Hamilton, Buddy Collette, Howard Rumsey, Bud Shank, Bob Cooper, Frank Rosalino, Claude Williams, Stan Levey, Shelly Manne, Conte Candoli, Bob Holman, Russ Freeman, the Dave Pell Octet, the Jack Montrose Ensemble and Maynard Ferguson and his orchestra. Pete Rugolo, band leader and Columbia recording artist, will be master of ceremonies.

Tech debaters to hold meeting

At 7:30 Monday night, October 3, the Caltech debate club will be organized for the coming year. All persons interested in debating or in participating in individual events should attend. The meeting will last approximately one and a half hours.

Mr. Dwight Thomas, the new director of speech for Caltech, has announced that the debate topic for 1955-1956 will be resolved: That the non-agricultural industries should guarantee their employees an annual wage. The discussion topic will be: How can we best implement the decision of the supreme court for racial integration in the public schools?

Plans will be made at the meeting concerning a speech clinic at LACC Saturday, October 8 where demonstrations in Extempore, Improvisation, Ovatory, Interpretative Reading, and debating on the new question will take place. All interested in attending the clinic are urged to attend Monday night's meeting.

Frosh Tea Dance to be held Sunday

The annual Frosh Tea Dance will be held this Sunday from 2:30 to 5:00 p.m. in Dalney lounge and gardens. Don Ead's band will provide the music. At this dance the frosh will be hosted to 100 denims from Pomona and the Pasadena area.

This year's Tea Dance is being sponsored by the YMCA and the ASCIT.