New House Decisions Lurk

Students Move To Be Voluntary

The goal in the population plans is to achieve an even dis-
tribution by class of students among the seven Houses, while at the same time maintaining an as much as possible with the house system. The problem is involved. The general question behind most specific problems is, to do with House living, but to do with the opportunity not only to express one's opinions and make him feel that one's opinions be over-rid-
ning in order to achieve balanced distribution of students of four years from now? Must it be remembered that leaving an overbalance of students in the old houses, especially in the case of upperclassmen will handicap the new houses in getting to a good start.

● Population Plans

(a) Population should be de-
termined early enough to allow the new house memberships to hold, and to be approved at the end of second term, in order to allow organization, planning, and handling some social events third term.

(b) A house or houses for freshmen alone should be highly undesirable.

(c) Any regulation requiring all freshmen to live on campus should be avoided if possible.

(d) In the case of freshmen, the basi-

s of less than 21 meals per day should be avoided from regular distribution.

(e) The actual populat-
ing should proceed in three stages:

1. A first group, first serve sign-up list for the new houses.

2. A second group of areas the uneven distribution, volunteers would be espe-
cially solicited to even them out.

3. Any marked departures from the present, first serve sign-up list for the new houses.

(f) As an exception to the above, it is recommended that members of the class of the last year's seniors) who now live (Continued on page 4)

Nov. 9 Meet To Discuss Rotation, Population

This week the front page of The California Tech is devoted to the presentation of one of the most important issues the Caltech student body will ever face—populating the three new Student Houses.

A week from Monday, on November 9, a general stu-
dent body meeting will be held to discuss the various pro-
posals. The statistics, plans and opinions appearing here come from the interhouse committee on new Student Houses. This group and its predecessors have been at work for over a year. They have divided the general problem into two parts—methods of population and revision of rotation. The population subcommittee has also gathered some preliminary statistics.

ACSTC's ExCom and The California Tech Editorial Board also have some comments. They appear on this page and on page six. These meetings will provide a chance for the General Body to make its decision for the good of the student body.

● Population Statistics

Spaces in Houses

<table>
<thead>
<tr>
<th></th>
<th>Designed Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Capacity</td>
</tr>
<tr>
<td>Old Houses</td>
<td>100</td>
</tr>
<tr>
<td>New Houses</td>
<td>250</td>
</tr>
<tr>
<td>Total</td>
<td>350</td>
</tr>
</tbody>
</table>

(Small rooms in the old houses are counted as singles in figuring designed capacity.)

Students available as residents—Working with results of a poll of off-campus students and information about present house popu-
lations, the following rough estimates were made of the number of student house residents for next year who will come from each of the following sources. An attempt was made to allow for attri-
bution due to flunkouts, etc.

<table>
<thead>
<tr>
<th>Class</th>
<th>From present social and non-resident students</th>
<th>From present residents</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>'52</td>
<td>85</td>
<td>90</td>
<td>175</td>
</tr>
<tr>
<td>'53</td>
<td>90</td>
<td>90</td>
<td>180</td>
</tr>
<tr>
<td>'54</td>
<td>100</td>
<td>90</td>
<td>190</td>
</tr>
</tbody>
</table>

There are a certain number of graduate students, generally for-

eign, who because of race or language difficulties would find it hard to find suitable off-campus rooming. These students have in the past lived in the Old Dorm, and since the Old Dorm will be torn down over the summer the Faculty Committee on Student Houses has decided to have them live in the new houses, until the graduate houses are completed. The number allowed is 42.

Finally, estimating the incoming freshmen who will live on campus at 160, we arrive at a total estimated population of 607. It must be noted that this figure is larger than the ideal population of the houses, so that our estimate does not bear out the common assumption that there will be an initial difficulty in filling up the houses.

ExCom Oppn Suggests No Rotation In Student Houses

(The Executive Committee, ACSTC's longrange policy mak-
ing group appears here in its views on rotation in the new Houses.)

It is apparent that the Houses are not perfect; it is unfortunate if we miss this opportunity to correct satisfaction or dissatisfaction with House living, but to do something about it.

The ExCom feels that, in general, the philosophy of the Stu-
dent House at Caltech is sound. It tends to tell the natural intel-
lectual curiosity and the student has the ability to accept

New Four Plans Proposed By Student House Committee

● No Rotation Plans

Under this Rotation sys-
tem the Master of Student Houses would place a reasonable cross-section of the incoming freshmen in each House, as is generally done during the first two weeks of the present sys-
tem. He would determine this cross-section by reviewing the high school teachers' reports, the Institute interviewers' reports and the freshman intern's plans (revised to include more information on less formal high school activities and interests of the freshman).

PRO:

1. This program would re-
duce the tremendous de-

desire for housing fresh-

en and upperclassmen alike.

2. Freedom of choice for the freshmen, virtually eliminated.

3. This program would tend to take the House almost totally into the hands of the individual House, a wide scope of personalities.

4. This plan would tend to reduce internal competition by eliminating its chief cause, com-
petition for freshmen.

5. This system reduces the in-

tention to make new acquaint-

ances.

6. Freedom of choice for the freshmen, virtually eliminated.

7. This system would tend to make freshmen more familiar with the House spirit and char-

ter.

● Partial Rotation MECHANICS

1. Rotate through three houses only (Ex: One group through Houses 1, 2 and 3, sec-

ond group through 2, 3 and 4, etc).

2. Spend two days at each house.

3. Rotation similar to present except no rotation through all houses.

4. Choice limited to Houses they reside in.

PRO:

1. Holds rotation time down (i.e., less time taken from stud-

des).

2. Ease of changing from pres-

cent rotation system.

3. Less decision for "moved" freshmen to make in selecting a new House.

4. Good compromises between no rotation and short rotation.

5. Prevents Houses from being too concentrated in cer-

tain types of individuals.

CON:

1. Limits choice of Houses.

2. Difficult for freshmen who are "locked" into present rotation.

3. Limiting of pres-

cent rotation system.

4. Doesn't give student time to settle in before changing.

5. Since fewer freshmen will be rotating through each House, they will be subjected to more individual pressure from upper-

classmen.

There is no reason why we cannot change the old house sys-

tem. The one single thing that would help all seven Houses the most with the least funda-

cental change would be to eliminate rotation. With seven Houses, it

(Continued on page 8)
Tech Named All-American

The California Tech has received a fourth consecutive All-American rating from the Associated Collegiate Press, the highest ranking in the history of the school.

Judge Duane Andrews, former staff member of the Minnesota Star-Tribune, summarized the evaluation of the Tech's news, feature, editorial, sports and typography: "You cover the news excitingly. It will well present it in an attractive package."

There was also particular praise for "writing up bright features."

Other California four-year college papers receiving All-American awards were the UCLA Daily Bruin and the San Francisco Goughorn.

Astronomer Hoyle Interprets Universe In Fact and Fiction

By Lance Taylor

Fred Hoyle, Cambridge professor, popular writer and internationally famous astronomer, is at Caltech this term as Addi- son White Greenway visiting professor of astronomy. While he is here, he will work with Dr. Wil- liam Ossian’s acclaimed research project designed to substantiate his “steady-state” cosmology.

Hoyle enjoys a fame rare among scientists because of his two books, The Nature of the Universe and The Evolution of the Universe, which popularize his own theories and relate much astronomical speculation and knowledge.

The steady-state theory was put forward by a group of astronomers at Cambridge University in England, where Hoyle is Plumian professor of astronomy and experimental philosophy. It was suggested by the fact that matter in the universe was more likely to be younger than the universe itself, and that the universe, in its attempts to bridge the gap by pos- itulating a continuous creation of matter, Hoyle, who was trained as a mathematician, gave theoretical replecability to the steady-state hypothesis by "diving" the universe.

Hydrogen Created

The theory states that hydrogen is being created in space by the reaction of two nuclei, each created in space, an atom appearing in about 4,000,000 cubic kilo- meters every second. The universe expands to accommodate the new hydrogen, which eventually coalesces into stars and clusters of stars.

An attempt to show how the other 91 natural elements are formed from hydrogen has drawn Hoyle to Caltech almost every year since 1954. He and Power are currently engaged in a long-term theoretical-experi- mental investigation into the mechanisms stars use to build other elements from hydrogen. They claim to have found reac- tions in stars which will produce most, if not all, of the elements.

Evidence Favors Theory

According to Hoyle, the steady-state theory has already demonstrated a remarkable longevity for cosmologies by existing in a form without falsifying evidence, and it shows no signs of being overturned in the near future. He believes that present evidence is more favorable to the idea of a universe without ever ending.

Unlike a large percentage of scientists and students at Cal- tech, Hoyle has not been re- tirng brilliance when he was a child. The 6'2" star, who took first place in the last he ever took—his final covering three years ago—has been teaching the group.

Nobles Popular

Hoyle is best known to Caltech students through well-thumbed copies of his nov- els, Gatan’s Ribs and the Black Cloud. Both books are some times available in Dabney Li- brary.

He is an active hill-climber and spends much of his time hiking in the mountains of Eng- land and Ireland. This gives him an advantage in teaching the group. However, he is more frequently involved in the teaching the group.

Finally, he has written two authoritative books, Hosea’s tobacco and a Decade of Decli- ne, in which he gives some predictions concerning mankind’s future fate.

Hoyle believes mankind has three possibilities for the future, a sudden arrival of sensitivity about the population problem, or nuclear war. Dis- missing general sensitivity as unlikely and starvation as fatal, he arrives at the conclusion that atomic war is the only possible avenue for human advance.

If nuclear war occurs, he says, it will destroy almost all population, but a few mutants or remarkably hardy non-mutants will survive. The survivors will gradually build up another large population, with unfavorable mutations dropped along the way. Another war will eventually ex- ist and the cycle will begin again. After enough catastrophes favorable enough mutations will have accumulated so the sur- vivors will be sufficiently resilient to resist the radiation and social intelligence not enough to have any more wars — or both.

Hoyle says the first nuclear war should come within two hun- dred years, and the cycles should run about 500 years.

All of this is not very con- veloping, especially if you live in the middle of a war. But then, Hoyle’s theory about our fate may be become as widespread as - or debated as the steady-state theory. And the evidence certainly favors this.

MUN Delegate Applicants Sought

Applications from undergraduates interested in attending Model United Nations this spring are now being received by delegation chairman Stan Sajdera.

MUN will be held the third week of the term at the Uni- versity of California, at Berk- ley. The country Caltech will be representing has not been determined.

The delegates will be selected by the Model UN Continuing Committee. Each delegate will be required to pay $10.00 to help with registration and trans- portation costs.

No date for the closure of ap- plications has been set, but the delegation will probably be chos- en by the end of the term.

Announcements

OFF-CAMPUS POLL

The Student House offices will hold its second post-card to off-campus students in the near future. Master of student affairs, Mr. Dave Bru- beck, plans that the polls will be filled out and re- turned as soon as possible.

Bursdale Automotive Service

OUR PREVIOUSLY BUSTED TIRES

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"I’ve heard somebody is trying to steal the Athenaeum silverware."
BRIGHT LIGHTS... COFFEE... ...AND SHOES

by griffen

As the world gets larger and smaller at the same time, approaching the speed of light, we must realize that all is not lost. (Robert Leighton is not in reality Superman, as it has been rumored.) We must realize that there are some people we know who are not very good. Those poor football players really felt bad in that fourth quarter; but that is not all, no, no.

The thing is, Burtin is not making the key block in last week's picture. It was old, defenseless Larry Long, lying there with all his teeth gone, and looking at the world with sad, mournful eyes that spoke tragedy. But, Larry Long, there are even people who want to help you. Yes, I insist that you realize that you have all the time and Lou Toth will understand will be reached. Well, that's what we need. It's our duty to protect ourselves and Doug Huttenback before they start the rotation before school begins or put it.

Thursday, October 29, 1959

THE CALIFORNIA TECH

Page Three

ExComm Recommends No Rotation

(Continued from page 1) will certainly be difficult to have the present rules unless we start rotation before school begins or put it to a full month of seeing Houses. Even with just four Houses in the running, the bad points of rotation are easy to find. It certainly stimulates the kind of competition that the Houses can do well without. Two weeks of very different labor and involved for both fresh and upperclassmen, and the result of the labor is that the Houses that get their first choices end up with rather homogeneous freshman classes. The Houses that don't get the men that they want may be more interestingly composed, but a great deal of antipathy remains toward the other Houses, and maybe even toward their own.

Right now, fresh are put into the Houses by a committee run by Dr. Huttenback before they get here. The placements are made with the help of interest sheets filled out by the frosh.

To a great extent, the frost class in each House is a diversified group, with varied interests. If the new system would just leave the Houses the way they were before rotation, there would be more intercourse between the Houses, not less! The frost would not be made to realize that they do or don't "fit.

By realizing the disadvantages and advantages of the present house system, it would be possible to create an atmosphere where the Houses would not suppress individualism and intellectual initiative — the Caltech student would be bound less to House values, and more to the ideals of Caltech. The ExComm wishes to stress the necessity of thinking about these issues. We feel that the student should view the issue at this stage with a broad prospective, not narrowly or dogmatically. Eventually, a plan must evolve, but philosophical thought must come first.

Omar Khayyám writes a new jingle

A Jug of Wine, A loaf of Bread and Winston's Filter-Blend!

Old Omar has come up with another corker of a couplet. Freely translated from the Persian:

"It's what's up front that counts If it hasn't got it there it hasn't got it"

True, the lines don't scan. But what do you expect from a tent-maker — the perfect rhyme of "Winston tastes good like a cigarette should"? We'll admit that something may have been lost in the translation. But when it comes to Winston, nothing is lost in the translation. It's got its taste. That's because up front of a pure white filter Winston has Filter-Blend — a special selection of mild flavorful tobacco specially processed for filter smoking. Winston is designed to taste good. Or, as Omar puts it: "The Moving Lighter lights; and having lit, Flicks off. Then you draw on IT, and hit your smoking pleasure mounts; With Filter-Blend up front, Winston's got what counts!"

Watches

B.D. HOWES and SON

136 south lake avenue

Dept. 1

engineered for accuracy, regardless of price, to meet the standards of Swiss and American makes. 

B. D. HOWES and SON (Continued from page 1)
In one of the four old houses and do not wish to leave should not be forced to do so. It is felt that seniors would tend to have especially strong roots in their old houses, and if forced to join a new house against their wills, would contribute little to it. Many might move off campus or simply continue associating with friends in their former houses. Allowing seniors to remain in old houses if so desiring would only create a one-year imbalance.

In view of the possibility of a shortage of seniors in the new houses, all offices to the new house, will be able to join them to break up groups who wish to join a new house together. We, therefore, mend that no attempt be made to transfer. This recommendation will be subject to reconsideration after more information is available.

(b) "Colonization" by existing houses has been suggested as a danger. The committee feels that while students who had formerly lived in the same house would tend to move into a new house together, the lack of natural bonds would prevent any permanent attachment to the old house. One of the chief settling points of the new houses will be that groups of friends will be able to join them together. We, therefore, recommend that no attempt be made to break up groups who wish to join a new house together.

Diversity of the work areas is typified by the programs in such fields as: magnetohydrodynamics, space medicine, oceanography; sonics, propagation of exotic foods, metallurgy; advanced systems research; manned space vehicles; reconnaissance; optics and infrared; electromagnetic wave propagation and radiation; electronics; physics; chemistry; mathematics; computer design; aero and thermo dynamics; test; design and operations research and analysis.

PROJECTS -Current major projects include the Navy POLARIS Fleet Ballistic Missile; the DISCOVERER program; MIDAS and SAMOS; Air Force O-5 and X-7 and the Arm KINGFISHER. PROJECT MIDAS is an early warning infrared system against ballistic missile attacks, based on the use of satellites. PROJECT SAMOS is designed for the development of an advanced satellite reconnaissance system. DISCOVERER, MIDAS and SAMOS are programs of the Advanced Research Projects Agency under the direction of the Air Force Ballistic Missile Division with Lockheed as systems manager.

Special Campus Interviews
Members of our technical staff will be available on campus for personal interviews on NOV. 18

For appointment, please see your Placement Director now.\n
An announcement of importance to ENGINEERING AND PHYSICAL SCIENCE MAJORS

LOCATION - You have a selection of two of the choicest living areas in the country at Lockheed. Headquarters for the Division are at Sunnyvale, California, on the San Francisco Peninsula. Research and development facilities are located in the Stanford Industrial Park in Palo Alto and at Van Nuyy, in the San Fernando Valley of Los Angeles. Testing is conducted at Santa Cruz and Vandenberg AFB, California; Cape Canaveral, Florida; and Almogordo, New Mexico.

Together, the Division's facilities provide far more than the million square feet of laboratory, engineering, manufacturing and office space. They provide the latest in technical equipment, including one of the most modern computing centers in the world.

The Stanford University program provides fifty per cent of the tuition for approved evening courses for salaried employees who are working full time.

SPECIAL CAMPUS INTERVIEWS
Members of technical staff will be available on campus for personal interviews on NOV. 18
Tom Jovin continues his trip around the world on a DuPont Travel Fellowship

BY TOM JOVIN

We arrive at Haneda airport, outside of Tokyo, on June 22, after a long flight from Hawaii. Traveling companions always tend to be interesting and this time was no exception. I had the opportunity of speaking with a beautiful Japanese girl who had gone ashore with the future Empress of Japan, as well as putting up with the ramblings of an enthusiastic tourist. I also had the advantage of a poll set instructor from Ohio. The moral of the experience is: avoid American tourists like the plague!

To attempt a description or definition of Tokyo would be an ascertainment on my part. My brief stay there was, however, a fitting introduction into the ways of the Orient, for the "twain" do meet in Tokyo, the city of million, as perhaps nowhere else in the world.

My activities during the few days in Japan consisted of that of an unshakable tourist and in true form, I went stumming (physically and psychologically) about Tokyo and the nearby country-side. In particular, I recall a day in the town of Miyazaki, where I put up at a typical Japanese inn. At these places, one checks his shoes at the door; divests himself of all Western clothes and dons the incomparable kimono.

Universal Language

A dip in the Japanese bath—a pool of scalding water—tone the skin, and then, one soaks the feet in the floor and consumes a meal exquisitely served up by the "Domer's"PALEZZA PHARMACY

to the tune of Chopin. And I could perceive, as I listened to the "twain", the influence of the Franco-Japanese War, the destruction of the Chinko Zen church, the miserable sanitation, and the Japanese girl who knew no English. Really care. This is solid comfort and bliss to the tune of 100 yen a day (for the interested mathematicians, the conversion factor is 360 to 1). Memories of the Student Houses faded into happy oblivion.

But suddenly felt feelings a guilt crept into my conscious breast. I am not playing the part of an enthusiastic tourist. I am not taking pictures, visiting temples, writing books on Orientals philosophy. Above all what will the Scholarship Committee think?

"Ohio"

The next two days were spent in travelling on the Tokaido elec· tric train line—operated at a split-second timing—to the In Peninsula. Here I talked with road workers, truck drivers, just some of the very industrial population one finds in Japan. By this time, I could say just slightly more than "arigato (thank you) and "ohio" (good morning). And I could perceive the basic truth that only travel can re-create that people everywhere, regardless of how the dress and what they eat are the same language they speak, have the same fundamental concern and problems. And with this realization I left Japan, carrying with me memories of many pleasant encounters and an expectation that the future would bring more of the same.

But my passport had a brand new visa, one for Nationalist China and I was anxious to come back to the United States. First, I must visit Kaishieh. More on that next time.

I managed to appease my misgivings somewhat in Tokyo. The incredible downtown shopping center, Ginza, offered me much in the way of a modern city to contrast with the tourist fever and boarded a Pion Tour bus. With a beautiful guide giving explanations, we went. The way, we passed from the Imperial Palace to Tokyo State University to the former Imperial Palace. I was taking a group of Socialist workers staking against the Liberal-Democrat government and paying a brief visit to the famed Kodo- kun judo center. A view of the area where in 1936, 35,000 people were killed in an earthquake and seven as an earthquake. of the national sanitation problem. This is the view into the wigs of the traditional four fears: those of fire, thunder, earthquake and father.

Pete Pony spent last summer in Europe with the Du-Pont prize.

BY PETE RONY

Last summer I was fortunate enough to be able to travel through Europe as a Du Pont Travel Fellow. Equipped with a host of cards, an Eurailpass, some Traveler's checks, a roll of toilet paper, and miscellaneous bug spray, I set out to investigate the water conditions in some of the more underdeveloped regions of the world, avoiding one country, but it is indicative, of the problems present throughout the world, particularly in Asia. The conservative estimate indicates that fifty per cent of the world's population still drinks unhealthy water, being dependent upon water holes, shallow wells, and other inadequate sources of water supply, often polluted by human waste.

This emphasizes the importance of sending loans or direct aid to these countries. We should make all efforts to give people a chance to help themselves and not leave a gap between the attainments of peace and security.
Editorial

Rotation, Pro:

The ExComm and other opponents of rotation have based most of their arguments on one assumption—that the Student Houses stifle a Techman’s individualism and intellectual growth. (See “ExComm,” p. one.) This assumption is NOT TRUE.

Two of the present Houses participate actively in rotation; they go after the “near” fashions and tend to disregard intellectual considerations. The other two Houses are not as interested in rotation; they end up keeping a larger percentage of the men originally assigned to them.

If the ExComm’s arguments are valid, we would expect to find the latter House system lacking in upperclassmen, having fewer funkouts, participating in more interhouse activities and, in general, contributing more to the intellectual and cultural life of the campus. This is not the case. Anything, the reverse is.

In addition, if we accept the anti-rotation arguments, we would expect to find all off-campus men at the top of their class, with no motivational problems and with dozens of friends from many different interest groups.

The ExComm claims that Student House living is “a pattern irrelevant to the aims with which” a man comes to Tech. They say “it is most likely that more than a few freshmen were planning, before they even heard of the Student Houses, to devote at least part of their lives to something other than science.

If the freshmen are arbitrarily assigned to Houses, will they be given the opportunity to choose their own roommates? What about the upperclassmen and freshmen who, before registration, have made friends in the new class? Will they have the chance to live with them?

If groups of friends from different classes are not given the chance to live together on campus, then they will move off. Off-campus cliques and fraternity-type groups will be formed. This is not necessarily bad, but there is no reason why the same argument; it happens in other places.

The Student Houses are a very real and valuable part of our existence at Caltech. Rotation, and its various consequences, is the essential distinction between the Houses and the dormitories found at other schools.

Sure, “philosophical thought must come first,” but this thought must be based on valid assumptions and a practical plan, based on the rights and needs of individuals, must be the result. --cm

Condolences

The President of the University of California slapped stiff controls on student body governments at all of the University’s campuses last week. (UCLA, Berkeley, and Riverside are included.)

President Kerr’s directive rewrote the student government constitutions to give the chief officer of each campus primary responsibility for the student body’s day-to-day affairs. In addition, any amendments to these constitutions are now subject to the approval of the campus administrative officers.

The directive states that student body Executive Committee may not speak on off-campus political, religious, economic, international and other issues. The only student organization which may take stands on off-campus issues is the newspaper (a practical necessity in doing so the views of the University or of student government is not represented).

Of course all we can do is sympathize with the ASUC and with The Daily Californian who are protesting the action. But we can remain thankful that the administration places a little more faith in the Caltech student body. --cm

Brass Tacks

By TOM JOVIN

ASCiT President

Two weeks ago, I presented a rough sketch of the organizational structure of ASCiT and its related bodies. At this time, I would like to present a philosophy of student body activity in general, while attempting to indicate how the existing mechanisms of our government might be best utilized.

My primary contention is that the function of ASCiT must always be to provide the student body with the means of carrying out its expressed desires. Consequently, it should serve to stimulate new ideas and appropriate action.

This concept implies a dual responsibility: the elected officers must be prepared to carry out their expressed duties, but at the same time, students at large must take the initiative in promoting constructive change and providing constructive criticism.

I have experience with ASCiT over the past two years leads me to the same conclusion many people hold: that student government at Tech has tended to be irregularly out of touch with reality and singularly ineffective in dealing with issues as they come up.

A great part of the problem stems from the fact that the Board of Directors and other committees have operated in a physical and mental vacuum. The endless succession of trivia in BOD minutes is ample indication of this.

Yet I would like humbly to suggest that we are moving into a new phase of ASCiT activity, one emphasizing informality and effectiveness. The meetings the Board has been holding in the House lounges have certainly proven to be sources of much information to the officers and, we hope, students as well. As at this time I would like to express our collective thanks to the House members for the warm reception they have given us. Two important truths emerge:

1) matters of administrative business tend to be disposed of outside the meetings, as they should.

2) students are interested in new proposals and improvements, particularly if they feel they will be acted upon.

The Caltech has been very helpful in this regard.

What are, then, some of the plans and questions under consideration? Here are a few:

New Student Houses: This issue of the Tech features the result of much thought on this topic. Needless to say, it is of paramount importance that students take this unique opportunity to look back in retrospect and plan ahead.

Overseas Assistance Programs: an idea gathering momentum is that ASCiT could profit greatly from scrapping its present Charity Drive in favor of a program by which students might participate directly in carrying out projects of assistance in underdeveloped parts of the world.

The Shirt that Loves to Travel...

Great for a weekend—travel light with an Arrow Wash and Wear “Time-Saver” shirt—just wash drip-dry, and you’re ready to go. Lasts in wrinkle-resistant 100% cotton. Oxford, broadcloth, or Dacron/cotton blend—all with the famous soft roll buttondown collar. $5.00 ap.

The California Tech

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Steve Walter, Editor

Larry Stone, Tom Tech, Al Winter, Nick Morris, Ben Couch

Kerry Donovan, Carl Rovainen, Lee Molho, Gary Florence

Roger Redman, Manager

Business Staff

Nash’s

FOR A LONG WEEKEND—Take Along an Arrow “Time-Saver”

See our selection of Arrow Wash and Wear “Time-Savers”—the shirts that give you perfect styling with more wearing time, less caring time. Super in 100% cotton or Dacron/cotton blend. Your favorite collar styles in white, solids, stripes. $3.50 ap.

141 East California

Pasadena, California

THURSDAY, OCTOBER 29, 1959

THE CALIFORNIA TECH

Edited by:

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Nash’s
Soccer Team Ties Redlands In Overtime

A last-minute goal by Redlands nullified a strong second half push by the Caltech booters and deadlocked last Thursday's conference soccer game, 5-5.

After two overtime periods of ten and five minutes, the game was still tied and finally called because of darkness.

Redlands jumped off to a 20 advantage before halftime, completely dominating the play.

Fred Newman kicked in the first Beaver goal after halftime on a short kick.

Joel Kwock, chem graduate, seemed in the tying goal and Ellis Cumberback made the third Caltech score.

Caltech, completely turning the pattern of the game in the second half, threw several scoring chances on a missed penalty kick and short kicks near the goal.

Gary Osterback, fresh stand-out, again turned in a competent job at goalie, plugging up a previous weak spot. Another fresh starter is Lynn Garner, on the defensive alignment.

Orchids for the Board

The proposal for a new sports classification cleared its first important barrier last Monday night when the ASCIT BOD reconsidered its action of last week, and voted to make a concrete recommendation to the Athletic Council. The recommendation, which can be found in the latest edition of the BOD minutes, states that (a) there is a need for a new classification of sports which will include teams that are not operated on the same basis as the present varsity sports, such as sailing and skiing, and (b) a new classification of sports would provide a solid basis for expanding the athletic activities of Caltech by providing, among other things, some incentive for student participation. In light of these two reasons, the BOD concluded, it is recommended that the Athletic Council consider the possibility of including a new sports classification.

Certainly the BOD has done as much as it is able to do by making this recommendation. If the sports program is altered this year by the Athletic Council, the only people we have to thank are the Board members, as far as we can see they have taken a positive action which is in the general interest of the student body, and should be given their due thanks.

Ho Hum Dept.

Sports Editor, The California Tech

There was a mistake in the caption of the picture in last week's sport section. It was Larry Long, not myself, who is making the "key block." I am also in the background sitting on my butt.

ARTHUR RUBIN

Ed. Note: Sorry, Art. Hope we both do better in the future!

A Campus-to-Career Case History

"I found I could be an engineer—and a businessman, too!"

William M. Stiffer majored in mechanical engineering at Penn State University—but he also liked economics. "I wanted to apply engineering and economics in business," he says, "and have some administrative responsibilities."

Bill got his B.S. degree in June, 1956, and went to work with the Bell Telephone Company of Pennsylvania at Harrisburg. During his first two years, he gained on-the-job experience in all departments of the company. Since June, 1958, he's been working on transmission engineering projects.

Today, Bill is getting the blend of engineering and business he wanted. "The economic aspects of each project are just as important as the technical aspects," he says. "The greatest challenge lies in finding the best solution to each problem in terms of costs, present and future needs, and new technological developments."

"Another thing I like is that I get full job responsibility. For example, I recently completed plans for carrier systems between Scranton and four other communities which will bring Direct Distance Dialing to customers there. The transmission phase of the project involved almost a half-million dollars, something to be proud of!"

"Telephone engineering has everything you could ask for—fulfilling, challenging and varied work, responsibility, and real management opportunities."

Bill Stiffer and many college men like him have found interesting careers with the Bell Telephone Companies. There may be a real opportunity for you, too. Be sure to talk with the Bell interviewer when he visits your campus—and read the Bell Telephone booklet on file in your Placement Office.
Poloists Lead League, Play Tough Pomona

On the strength of a strong 8-3 triumph over Claremont—Harvey Mudd last Friday, the Caltech water polo team is currently atop the Interhouse standings with a perfect 20-0 record.

The Stags put up a tough first-half stand with the score 4-3 at intermission, but faded in the final half. Bob Ruby, leading Beavers scorer with 12 goals, looped in exhibition play, dumped in three scoring shots in the second quarter to keep the final half. Bob Ruby, Interhouse scorer with 12 goals, looped in exhibition play, dumped in three scoring shots in the second quarter to keep the final half.

Roger Bland, junior letterman, accounted for a pair of goals with Russ Russell and Gary Tibbets collecting one scoring apeleon.

Showing top form on defense was Tom Tisch.

With conquests of Redlands and CHM under their belts, the Beavers motor to Pomona Friday in hopes of keeping their conference record unblemished against the favorites for the league title.

Long Beach Tough

Last Tuesday, powerful Long Beach State had no trouble subduing the host Caltech squad by an overwhelming 16-2 margin. The victors, who easily handled USC earlier in the season, piled up an 80 advantage at the end of the first quarter and promptly hacked their first string.

Ruby tallied the initial Beaver goal midway through the second quarter when his shot glanced off the goalie’s hand. Ruby added the final score in the fourth quarter off the visitors’ reserve unit.

Dick Dickinson, huge forward, and Howard Terry led the Long Beach team with three goals apiece.

Four Rotation Plans Proposed

(Continued from page 1)

1. Freshmen may be left up in the air too long.

2. Houses might tend to chase away some of the freshmen that begin with them in order to make room for “new” fresh from other Houses.

Drops Sundries Cosmetics Tobacco
CALIFORNIA RESELL PHARMACY
553 S. Lake SY 2-3156
Breakfast Lunch Dinner

The Place to Go
NATIONAL THEATERS

ACADEMY
100 S. Colorado, Pasadena
SY 3-7789

“ANATOMY OF MURDER”
James Stewart
Eve Arden
Cathryn Grant
Also

“GUIDOONS OF SCOTLAND YARD”

STATE
770 S. Colorado, Pasadena
SY 2-7139

“NORTH by NORTHWEST”
Cary Grant
Eva Marie Saint
“ASK ANY GIRL”
David Niven
Shirley MacLaine

PASADENA TYPEWRITERS
& ADDING MACHINE CO.
RENTALS
SALES & SERVICE
TYPEWRITERS
ADDS MACHINES
SY 3-2094
1188 S COLORADO BLVD. CONDOS COLORADO & MICH. PARKING IN REAR

Never too strong.
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Always just right!

You can light either end!

See how Pall Mall’s famous length of fine, rich-tasting tobacco travels and gentles the smoke—makes it mild— but does not filter out that satisfying flavor!

Get satisfying flavor...so friendly to your taste!

Here’s why smoke “traveled” through fine tobacco tastes best

1. You get Pall Mall’s famous length of the finest tobaccos money can buy.

2. Pall Mall’s famous length of tobacco and gentles the smoke naturally...

3. Travels it over, under, around and through Pall Mall’s fine tobaccos... and makes it mild!

Pall Mall’s cigarette and pipe tobaccos are at your retailer.

The American Tobacco Company - “Tobacco is our middle name”