A residence requirement may be coming to Caltech, at the last Faculty Board meeting on Monday, the Academic Policies Committee presented a proposal to give a residence requirement for the B.S. degree. This means that loading up on units will probably avail no good, as in excess of 36 per term will not count for additional terms of residence credit. Students need 11/2 terms of residence to graduate, under this plan. A student may earn more than one academic term of residence credit in any one term, except that residence deficiencies may be made up by earning more than one term of residence credit in a single term, if approved by the Academic Standards and Honors Committee.

One advantage of this is that residence credit for the B.S. and advanced degrees may be earned concurrently. Admission to programs terminating in the award of the B.S. and advanced degree will be by special application to the Dean of Graduate Studies.

This would eliminate problems like that of a number of units required to graduate in the various options. Now, for example, only takes 483 units to be a Math major, but about 516 for anything else. This has been the subject of long discussions about the fairness of this requirement to the other options. Of course, this problem would be removed if this proposal were to be passed. Dr. Richard Dean commented that the students were "magnificently happy" about this proposal. Where are all you loudmouths?

Some of the other things covered at the Faculty Board meeting were:

- A memo from the Academic Policies Committee on teaching effectiveness. The Committee believed that students should be able to express opinions about courses and instructors. It also wanted to be able to assist the administration in weighing teaching effectiveness in making promotions and awarding promotions as well as assisting the individual faculty member.
- A sub-committee composed of Karen Maples, Jim Morgan and Lee Silver will make the necessary arrangements for this. There will be two evening sessions at camp when slides or movies can be given. There will probably not be more than one session on Friday evening before the Talent Show.
- There will be, of course, impromptu talks (read: recruiting sessions) on such things as athletics, Caltech Y, Glee Club, etc. Ivan Hunter has also agreed to be on the camp, due to popular demand. Something like Bob Coleman's talk was also suggested at the meeting of the New Student Orientation Committee, Ioannis Nicolaos Kesidides, secretary of the senior class. The convocations committee invited Feynman to speak and was delighted that he accepted, said Dr. William Cozart, associate professor of English and committee chairman.
- William Fornaciari, Jr., graduate student member of the convocations committee, supervised arrangement of a musical program which will precede the proceedings march of faculty and students. The musical program will include Caltech sophomore Leslie J. Deutsch at the organ and a brass choir.

To Graduate—Reside Here

I'd Bike A Mile...
**News Briefs**

_The list of Biology tutorials (Ri 23) to be offered next fall is now available in the Biology Office, 156 Church. The tutorials are staffed by Biology faculty, post-docs and grad students. They provide an opportunity for learning through personal contact in a broad range of subjects. Bi 23 is staffed by Biology faculty, post-docs and grad students. They provide an opportunity for learning through personal contact in a small group situation._

**Math Grants Awarded**

_The following students have been awarded grants for summer research in Mathematics: Eric Williams, David Dormit, William Coughran, Jack Schlachter, David Atkinson, Charles McKnight._

**Two Comments on Pre-Rig**

1) Linguistics (Lin) courses count toward the same type of humanities credit as Lit, H, Mus, Mt, Art, and courses do. _2) The instructors for Ph 2 are listed incorrectly on the sheet. Track A will be taught by Drs. Barnes, Goodstein, and Neugebauer, while Drs. Barsh and Hatch will teach Track B._

**Math Club Meeting**

_There will be a meeting of the Caltech Math Club on Tuesday, May 28, in 351 Sloan. At 7:30 p.m. elections will be held and at 8:00 Dr. Fenster-Toch will speak on "Unsolved Problems in Intuitive Geometry." All are invited._

**They're Juicy Now**

_There will be openings in many of the co-op houses for this fall and possibly the summer. [Now that mandatory food is back, do you really want it?] The co-ops have various cooking groups, comfortable furnished rooms, and are close to campus without the isolation that usually goes with off-campus living. Rex Engelsberg in 290 S. Holliston; if you do it soon you'll get a better selection of rooms, and we'll avoid having to fill up with randomness!_
The Coming Crunch

A massive world food crisis is on the horizon, with millions of people facing starvation. The key to averting this disaster is cooperation between nations, but the historical events of the past few years have made international cooperation more difficult than ever.

The First and Second World Wars and the political events of the Cold War have left the world in a state of tension and uncertainty. The current political landscape is marked by the rise of powerful nations, such as China and Russia, and the decline of the United States' position as a global superpower.

The political events of the past few years have made international cooperation more difficult than ever. The rise of China as a global power has created tensions with other nations, and the Cold War-era divide between East and West has not yet been fully resolved.

The current political landscape is marked by the rise of powerful nations, such as China and Russia, and the decline of the United States' position as a global superpower. The key to averting the looming food crisis is cooperation between nations, but the historical events of the past few years have made international cooperation more difficult than ever.

The thought of the need for cooperation to avoid the looming food crisis is a reminder of the importance of international relations and the need for a cooperative global community.
Romeros At Beckman

by Marc Donner

Romeros At Beckman

Never let it be said that there is any great degree of harmony among the editors and staff of the Calificator Tech. Those (characterization omitted) edition are (expletive deleted) enough to hold a (expletive deleted) (characterization deleted) Big T editor. stuff gutted and the workroom of the Tech on Tuesday night just a few hours before the deadline for the articles when other "editors" and staff want to come in and write their articles. Not only do those (characterization deleted) hold this meeting, but they tell everyone who comes in that they can’t stay because of the (expletive deleted) meeting. I say to them openly: How the Hell are we supposed to write our damned articles when denied access to our information, paper and typewriters?

Romeros has it that Senior Ditch Day is today (Friday) or was yesterday (Thursday) (this article is being written on Wednesday). Anyway if Friday is Ditch Day come around to Page stack. To prove this he has been efforts), (4) several pieces of Tink tink. (213) 681-9942

Shakespeare Schedule

The San Diego National Shakespeare Festival has announced the schedule for the 1974 summer season. The festival's 25th year of operation. This justly famed group, the only professional Shakespearean Repertory Company on the west coast, opens its season with the comedy Twelfth Night June 4. Romeo and Juliet opens June 7; and the historical play King Henry IV part 2 opens July 10. Ticket prices are $5.75 and $5.25, with season tickets for use before July 28 available at $15.75 and $17.25. Due to the repertory nature of the performances, which are at the Old Globe Theatre in Balboa Park, San Diego, the calendar of exact dates of performances is very complicated; interested individuals may consult the Festival advertisements in the Calendar section of the Los Angeles Times, or write to the Old Globe Theatre, P.O. Box 271, San Diego, CA 92112, for further details. If you are interested, don't delay; the Old Globe is a small house, and I understand that the Festival normally sells it out.

Appointed

Continued from Page Two Student Housing: Jim Kleckner, Richard Atwater. Insurance: Liz McLeod, Richard Atwater. Housekeeping: Jim Kleckner, Richard Atwater. Computer Facilities Executive: Bob Coleman. Art: Bob Coleman. Computer Facilities Executive: Greg Simay, Phil Naecker, Shelley Smith. Theatre, P.O. Box 2171, San Diego, section of the Old Globe Times, which had featured concerts, the only professional Shakespearean Repertory Company, replaces a thunderous rendition of "Hymn of Peace" is made especially moving by the women singers more effectively used; they made the Festival notably a folksy atmosphere creating a folksy atmosphere and power to the chant. Sacred songs, Italian opera, and popular works smoothly succeed one another during the program's last half. The "Vide male sound" of the Men's Glee Club "Miserere Mei," "Gloria to God," and "O Sing Unto the Lord" with an intense reverence. "Hymn of Peace" is made especially moving by the Women's Glee Club. Jim Hugg's superb solo, "Largo al Factor" from Il Barbiere di Siviglia, draws a thunderous curtain call. The Chamber Singers and Madrigal Singers lend all their songs warmth and charm, including "Dance, Dance My Heart" and "To a Wine Jug." The Men's Glee Club provide a strong finish with "The Dorados."

Doric House and watch the demolition of Scheffer's Stack. This article is being written on Tuesday night just a few hours before the deadline for articles when other "editors" and staff want to come in and write their articles. Not only do those (characterization deleted) hold this meeting, but they tell everyone who comes in that they can’t stay because of the (expletive deleted) meeting. I say to them openly: How the Hell are we supposed to write our damned articles when denied access to our information, paper and typewriters?

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NIXON
Continued from Page Three
perspective of history shows that the earth's problems are not unique. Both world wars in this century resulted in greater loss, and in 1973, a half million starved to death in a handful of African countries. Such unpromising indicators as the cost of raising food to carry it to the hungry. To limit their scope and wonder, we must profit from our experience, and come to grips with the coming of the greatest challenge mankind has ever faced.

Compared to the spectacle of the coming "CRUNCH", the environmental propogandists of Mr. Nixon in the White House seem relatively unimportant. At any rate, that Mr. Nixon's conduct upon the American people's respect and trust for their government and its institutions is now over. The question remaining is what to do about the damage Mr. Nixon's removal from office will have upon the fulfillment of those goals. The foreign policy achievements which he has recognized as vital, and for which he has had the understanding and above all the "political will" necessary to carry them out, have now become the focus of public attention. To neglect this question for the sake of concentrating attention upon the problem of whether, the damage of the political process with the American people is to be either hypocritical, or blind to what must be the central issue of our time. To wit, how do we prevent the coming "CRUNCH" and its associated tensions from resulting in thermonuclear war between the rich industrial nations and the third world, climaxing for its share of the Earth's resources? The situation more unstable with each passing year. How can we insure the stable transition of the nations of this planet through the "CRUNCH" and safely into the next century? If any rat ion as斯坦 are needed, or has gotten, the US government as collateral for a bank loan. Haughton gave this and other predictions in the keynote address to about 1000 alumni at Saturday's Alumni Seminar Day. Though this talk was ostensibly about "The Future of Air Transportation:" the presentation touched on many other topics and also gave insight into the role played by a major corporate executive.

"D'ja Ever Sit In Coach?"

Haughton predicted that, through the 1980's, air travel will continue to be the preferred mode of travel between cities over 300 miles apart, and that no fundamentally new aircraft will be introduced. He also predicted that wide-bodied jets, similar to the Boeing 767, 747, and 767, will take over the major air routes: "People are gonna find out that you don't fly "duds" and they're gonna do it [by themselves]."

While lamenting the government's decision to cancel the supersonic transport (SST) program, stating that it was embarrassing to the Russians and French who were doing something the Americans weren't, he didn't mention the SST in his forecast for the Eighties. Haughton speculated that the US would, however, produce a hypersonic vehicle. Editors note: Mr. Haughton would be happy to answer any letters sent to him, care of The Tech, on any of the somewhat controversial assumptions and conclusions he makes!

Footnotes:
1) Anyone who has read a graph of the earth's population vs. historic time can see that the pattern which has prevailed for centuries, that of a simple logarithmic growth, has no chance of continuing. Surely, the earth's resources, its capacity to sustain life, is limited and because nature is not about to let any of its natural laws be violated, indeed such a historical period labeled "The Croogh" has been practiced by many, and many; the pessimists, the notion is popular that mankind's wisdom will return to a new dark age. The pessimists were wrong however. Mankind and his civilization will indeed such a historical period labeled "The Croogh" has been practiced by many, and many; the pessimists, the notion is popular that mankind's wisdom will return to a new dark age. The pessimists were wrong however. Mankind and his civilization will indeed such a historical period labeled "The Croogh" has been practiced by many, and many; the pessimists, the notion is popular that mankind's wisdom will return to a new dark age. The pessimists were wrong however. Mankind and his civilization will...
expresses the arithmetic-geometric mean of two numbers in terms of an elliptic integral.

Each prize consists of a cash award and a certificate. They are financed by funds won by Caltech undergraduates participating in the William Lowell Putnam Competition, a national mathematics contest in which the Caltech team took first place during the last three consecutive years.

The Mathematics Committee on Prizes judging this year’s entries consisted of Professors Tom Apostol, Hershely Kidlevsky, and David Wales.

I emphatically protest your publication (“Forum”, The California Tech v75 No. 22, 5 April 1974) of a private letter from me to the O.C.R.C. The most casual perusal of that letter should make clear to the veriest moron that it was intended not to be published; indeed, the sentiments expressed in it are inconsistent with its publication. Would you have the world think me a hypocrite?

I insist on an immediate public apology, to Ms. McLeod and to me. I cannot permit this blot upon the Request escutcheon; that name is synonymous with candor and discretion wherever letters are read. Moreover, I demand an explanation of how your organization came by this document.

Gentlemen do not read one another’s mail, sirs, let alone pilfer and publish it.

None Withheld by Request

Dave Dummit and Christopher Henley
Honored At Recent Math Banquet

Caltech undergraduates David Dummit and Christopher Henley were honored May 19 at a Mathematics Awards Banquet. Dummit, a junior mathematics major, was awarded the E. T. Bell Undergraduate Mathematics Research Prize for a paper entitled “Cubic Fields Without Power Bases.”

Henley, a freshman, received the Morgan Ward Prize for his derivation of a formula which expresses the arithmetic-geometric mean of two numbers in terms of an elliptic integral.

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I rate Boonier
Castigates Editors

I was intrigued by the letter in last week’s Forum in which Madame R. stated that you have been refusing to publish OCRC articles. It seems that the SOCA (Student Opposition to Communist Aggression) also has an article rotting, unpublished, on your editor’s desk. Is The California Tech uncaring about the struggle between the forces of good and evil in the real world? Is it so third world that it refuses to acknowledge the existence of the first and second worlds? Is it so afraid to discuss political issues of the day? Is Women’s Lib so controversial as it gets? Is it embarrassed because outsiders write more informative, more interesting, and funnier articles than Morg Blog and its own staff is capable of concerning!

Does it refuse to publish news in this weekly magazine-disguised-as-a-newspaper? Is it trying to cut costs by becoming so boring and trite that no one will read it?

Mr. Mallonee and Co. is going to have to realize that, try as they might, their rag (a term normally applied only to real newspapers) is never going to win the CNPA Award for General Excellence in college journalism, so they might as well print our articles.

-Carrie Nation
Back-Water Mail from SOCA

There are now two OCRC articles sitting in a back comer of the California Tech offices. In addition to these, there are two articles from our rivals, the SOCA. Are you trying to suppress political controversy on campus? Some very fine, though provoking points were raised in these articles. Consider these issues: AFROTC, Ditch Day, the New Geophysics Building, Watergate, and the People’s Wall. But were these printed? No!

Instead of these relevant, controversial items, Mr. Mallonee chooses to print pages and pages of useless information on some of the more nonspecial women on this campus. Half of them were mere soreatories with glorified titles. Glowing portraits of these ordinary, boring women is not at all beneficial to the Women’s Liberation Movement. That particular issue of your paper could have been so much more exciting. There are so many creative and unusual women on this campus.

For example, you might have featured a Dubon Houor “teak”, one of Ms. McLeod’s dogs, Dr. Hurstbourne, Phyllis Anew, the only female geology major, the only female physics major, or myself, the only truly controversial figure on this dull campus.

In closing, I take this opportunity to announce the formation of the Avenge Culbertson Sub-committee of the O.C.R.C. All of you who remember Culbertson realize what a great void now exists on the corner of Wilson & California. To demonstrate our strength, the Subcommittee is asking all who sympathize with this view to wear black armbands to the opening of the new Mudd Laboratory.

-Madame R. President, OCRC
The California Tech SPORTS

Health Center Survey Released

More Records Fall

The Tech Track Trio continued its record-book rewriting ritual last weekend at the NCAA District III Championships. Haywood Robinson, Alan Klesinsasser, and Greg Griffin broke three Caltech records and tied another as they qualified for the District III Championships. Haywood Robinson, Alan Klesinsasser, and Greg Griffin broke those enrolled in a physics, varsity track records.

By E. Squirrel Mole

Back in February, when the controversy first arose about reducing the hours of operation of the Health Center, a poll of the undergraduate and graduate students at Caltech was made by Blair Folson, graduate representative to the Health Committee. Following the outcry of public opinion against the reduction of Health Center services, it was announced that the cuts would not take place, everything was really alright, and Techers should go back to their trollying and not worry about it, which is more or less what they did. In recent weeks it has become clear that we were too quick to be pacified, as news of continued plans for weekend closing of the Health Center, and night operation only by a Licensed Vocational Nurse (L VN), becomes known to us. Since the matter apparently still under discussion, we are publishing the results of the student survey at this time.

The three alternatives offered were:
1. No Cuts. There would be one Registered Nurse (RN) on duty at all times, and two RN's on duty during the day shift, as it is now.
2. Cut $20,000. There would be one RN on duty from 8 a.m. to midnight, and a Licensed Practical Nurse on duty from midnight to 8 a.m.
3. Cut $20,000. There would be two RN's on duty from 8 a.m. to 6 p.m. (overlapping shifts), and an LPN on duty from 6 p.m. to midnight, and a "caretaker" on duty from midnight to 8 a.m.

There were 87 graduate and 179 undergraduate responses to the poll sheets which were not ripped off by janitors and other toads. 74% of the graduates and 78% of the undergraduates responding were in favor of choice (1), no cuts at all. 24% of the graduates and 20% of the undergraduates were in favor of the second choice. A statistically insignificant 2% of the graduates and undergraduates were in favor of choice (3).

...this is very funny.

A Licensed Vocational Nurse must have at least a twelfth grade education, followed by three years of vocational training. A Licensed Vocational Nurse (L VN) will be staffing the Health Center at night under the night nurse needs only a tenth grade education, followed by one year of nursing training. A Licensed Practical Nurse has six months of training under an RN. A "caretaker" is any random troll, trained to be first aid at the most, who would live in the Health Center. This person could presumably perform any first aid which you or a friend could have performed without crossing the street to the Health Center, or call a competent person on the phone, which you could have done faster than walking there.

It would be nice to see more communication between the student body and the Health Center brass. The students are concerned about what will happen to the Health Center, and we would have thought that the people running the Health Center would have thought about what the students thought.

Without ROTC...

The Navy has announced a new collegiate program in which qualified college students may work for a commission in the Navy and be paid without joining an ROTC unit. A student may apply upon completion of his junior year, having successfully completed 605 units, including one year of calculus through Ma 1 and one year of physics, and be within one (1) year of graduation. Grades: "B" average or better in minimum required courses. For those enrolled in a physics, mathematics or engineering curriculum, a "C" average or better is required in the technical or science courses.

The applicant must be a male U.S. Citizen, not less than nineteen and not more than twenty-six and one half.

Detailed information on this and other officer programs can be obtained from the Navy Recruiting office at 125 N. Marengo in Pasadena, 793-5623.

Audience

Continued from Page Four

be very proud of their closing efforts of this season. We were certainly proud of all those Techers who added to the zest of spring.

--Greg Simay

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Elections

Continued from Page One

placed on Tuesday's ballot.

The candidate who receives the greatest number of votes in the senior and sophomore races will be declared elected. To be declared elected, the candidate must receive at least 40% of the vote. In the event no candidate is elected junior class v.p., the top two candidates will be voted on next Friday; the top vote-getter in that election will be declared elected.