Faculty Regrets Choice of Reagan

by Les Fishbone

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The letter was very mild in tone, and called for no direct action. The signers stated that they were members of the same community of scholars as those of the University of California. They regretted the choice of Governor Reagan because some of the positions he has taken have been detrimental to the spirit of intellectual inquiry. Nevertheless, the signers realized, the members of the Board of Trustees have the right to live as they please to functions of the nature of the dinner.

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The votes are in on the EPC Attitudes Questionnaire, and the Caltech students are definitely in favor of co-eds at Caltech. In a poll distributed to the undergraduates, the Educational Policies Committee questioned the students on other topics including the proposed General Studies option and a pre-final study period. The questions were answered by 47 percent of the students polled, a sample which Robert Enenstein, chairman of EPC, believed to be representative of the Caltech undergraduates.

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Two-thirds of the students were in favor of a pre-final road period. All classes would be cancelled one week before finals, with T.A.'s and professors available for consultation. The same number were also in favor of a General Studies option. This option would allow students to pursue an interdisciplinary course of studies.

Two of the questions referred to the possibility of students taking courses at nearby schools. Such courses of study do exist at the present time, so it is gratifying that 81 percent in favor of creating such courses. 41 percent also stated that they would like to take such courses.

The final questions suggested a series of optional monthly dinner seminars to allow students to meet professors and discuss problems. 78 percent of the undergraduates were willing to attend such meetings.

Ralph Asks Honesty in Race Relations

by John Heap

"Prometheus." Ralph, State Assemblyman, was born during his Olive Walk talk last Monday.

"America does not become honest, then we are headed for one of the bloodiest eras of its history." This prediction by the Honorable Leon Ralph, California State Assemblyman, was made during his Olive Walk talk Monday afternoon.

Mr. Ralph continued this line by proclaiming, "The black man has had enough." Describing the abuse, both physical and mental, that the black men encounter in America, Mr. Ralph cited a number of personally witnessed incidents. This ranged, on the physical side, from actual bludgeoning of mere suspects by the police to the more subtle forms of permitting black men to suffer without intervening.

"This second class treatment," is, according to Mr. Ralph, one of the major causes of revolution in the cities. This treatment extends to affront that White America enjoys. "How," said Mr. Ralph, "can White America expect complacency when White people and the shortness of food and the shortness of life for black people."

Psychological abuse on the part of the police departments, the form of spitting or brushing of a man. "Calling a man 'Nigger' is a form of brutality. It is something that no man can tolerate," Mr. Ralph said.

Response in the Student Houses is indicated by bull sessions. While the forceful speakers drew attention in group discussions, the more conservative speakers present their views well in individual conversation. People are getting involved, and the difference in some cases is hopeful.

Teckers Hear of Ghetto

by John Heap

The YMCA ghetto-tutor program, through personal contact, has given a new dimension and magnitude to the racial situation. The far-off, vicarious perspective has been replaced by an awareness of the depth and seriousness of the movement. The articulate, well-educated and well-chosen tutors evidence the scope of opinions present in the Negro community. No longer can the crisis be contained in "Civil Rights," for attitudes are not homogeneous. The young Negro seeks results now. He may be frustrated and apprehensive about his future and in some cases has nothing to lose. Organization has given the Negro a new pride and sense of direction. Violence, a constant threat, is the result of much talk and little action. Both sides have heard firsthand a variety of views and found that Whites and Blacks may not agree.

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EPC Results: Tech Wants Coed Campus

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HARVARD BUSINESS SCHOOL
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LIKE GIRLS
Girls from Pomona, Scripps, and Pitzer folk dances Sundays 8-11 p.m. in Pomona. They want partners! On campus contact E. Feussner. Big 'T' wants you.

BIG 'T'S ARE AVAILABLE
See Squanie, Res. 118 Ruddock. No T's available.

FULL 'T' WANTS YOU
Anyone wishing to work on the yearbook stop by the office in Winnett Thursday or Friday night 7:00 to 10:00. Photographers especially.

Passadena, California, Thursday, October 19, 1967

Volume LXIX.

Associated Students of the California Institute of Technology

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2 Dinner Plates
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1 Soup Spoon

Pasadena, California, Thursday, October 19, 1967

Number 5

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Winnett Facilities Deserve Better Planning

For the past month or so, you may have noticed the organ sitting in the Winnett lounge; placed upon the instrument is a neatly typed card with the admonition that it is not to be played until installation is complete. And, as this month has proceeded, the stage of installation has remained entirely static. It is hard to think of anything quite so useless as a disconnected organ, and, were it to be connected now with unique 86G clarity, it has a strong likelihood of being wheeled out the door and never to be heard from again.

At present time, the lounge contains within its limited expanse a color television set, a stereo player and tuner, a grand piano (now out of tune), and the aforementioned organ. The operation of any of these enticements is of course impossible. You might assume that the simultaneous use of any of the others. Since the television is by far the most widely employed device, many people anxious to play or to refer to the wishes of the television audience. Weas unto him who interrupts the Star Trek or Huntley-Brinkley crowds.

All these things point graphically the inadequacy of the present Winnett lounge. It is obviously a separate room should be available, either as a television room insulated from the outside, or as a music room for the practice of the organ or the piano. A possibility for such a room is the Fleming gameroom, which is practically unused. The Doberman girls are already occupied. To be locked up at night, the piano in the lounge was available for evening enjoyment, but this room is seemingly no longer generally available.

We would urge Dr. Pitzer and others most directly involved to react to this problem before the organ is belittled and irredeemably affixed in the Winnett Lounge.

---Les Fishbone

Owen Committee Proposals Will Improve Caltech

About three years ago, the present senior class found itself studying without the burden of grades. For many the experience was enriching; for many of us it galvanized the motley force which had caused these individuals to excel while in high school. Interest had become the sole motivating force for doing work. This is as it should be.

Since an increasing amount of effort has gone into making Caltech a more pleasant place to learn, Dr. Richard Dean teaches abstract algebra in a seminar atmosphere and Dr. James Bonner continues to advocate research for all. But surely from Dr. Ray Owen’s Committee on the Freshman Year.

freshmen. The members of the committee have met with students’ comprehension. The...
Ghetto Tutors Seeks Student Undertaking

(Continued from page 1)

by Leon Ralph

The racial situation is a complex issue which obviously lends to no easy solutions. Leon Ralph spoke well when he alluded that Vietnam was of no greater significance than injustice at home. While personal encounter is far from a solution, respect for another’s opinions is a notable gain. Honesty has made dialog of value, and where this has been lacking, it was usually obvious to all. Fear of each other lessened when it was found we are fellow Americans cherishing elusive “equality.”

Ralph Urges Racial Honest In Talk

(Continued from page 1)

by Tom Carlson

Governor Reagan is making the keynote speech next month at the kick-off dinner for Caltech’s 85-million-dollar fund-raising drive. He is appearing in the role of a benefactor of higher education. But does his past record indicate that he is a true believer in intellectual advance- or, does it only indicate a belief in instilling the “true morality” in the students?

Consider his philosophy of education as expressed in his inaugural speech on Jan. 5, 1967:

“We are proud of our ability to provide this opportunity for our young people. We believe it is no denial of academic freedom to provide this education within a framework of reasonable rules and regulations. Nor is it a violation of academic freedom to require obedience to these rules and regulations or to insist that those unwilling to abide by them should get their education elsewhere.”

“...If it does not constitute political interference with intellectual freedom for the taxing citizens — those who support the college and university systems — to ask that, in addition to teaching, they build character on accepted moral and ethical standards.”

The last clause in the last paragraph expresses a philosophy with which many people at Caltech disagree. When Reagan says the taxpayers should require that the college teach “accepted moral and ethical standards,” in effect he is stating that they should control the educational policies of the schools. Deals with intellectual freedom exist under the domination of the general public! It never has elsewhere.

Sandage Sees Riot Potential in Ghetto

An informal committee of parents has recently been formed in Pasadena to investigate the problem of de facto segregation in the city schools here. This private group, which has met twice, is exploring the entire range of inter-racial problems in Pasadena. Dr. Allen Sandage, on the staff of Caltech’s Mt. Wilson & Palomar installations, is a member of this committee, and provided some information regarding it.

The committee is still in a fact-finding and organizational stage; its members are investigating the extent of de facto segregation in Pasadena’s schools and its impact on educational quality in them. Nonetheless there is some feeling of urgency regarding their efforts. Dr. Sandage stated that there is the definite possibility of a Watts-style civil uprising in the not-too-distant future; he bases his opinion on the statements of Negro community leaders who are also on the committee.

The committee favors busing and other methods for forced integration of Pasadena’s schools and its impact on educational quality in them. Nonetheless there is some feeling of urgency regarding their efforts. Dr. Sandage stated that there is the definite possibility of a Watts-style civil uprising in the not-too-distant future; he bases his opinion on the statements of Negro community leaders who are also on the committee.

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Another plan suggested by Dr. Sandage was that the construction of a massive educational park to replace what he considered the outmoded neighborhood school. Although the committee favors integration and was established to promote better inter-racial relations, it has no definite objective nor plan of action at present.

Governor Reagan Education’s Friend?

Continued Interference Says No!

In his election campaign last year, Reagan attracted much public support for his criticism of Berkeley. But let us consider the comment of John Galbraith, the noted Harvard economist, who said, “If Berkeley is intellectually the least tranquil community in the world, as well it may be, it is most likely because it houses the best university in the world.” It is highly improbable that Reagan’s views on education correspond with those of most of the Caltech community. Reagan’s give-and-take speech for Caltech’s fundraising drive at Caltech! It seems highly incongruous, to say the least.

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More Notices

(Continued from page 1)

EPC POLL

Last year’s comprehensive EPC poll is temporarily available in the Rickets House library. Additional copies are in the process of being reproduced.

FEYNMAN SPEAKS ON MATH

Dr. Richard P. Feynman will speak on “Applications of Mathematics” at a meeting of the Caltech Math Club at 7:35 p.m. tonight in 151 Sloan. Everyone in-
Science Wields Power in Politics

by David C. Elliot
Professor of History

On October 11, 1939, a letter from Leo Szilard was delivered to President Roosevelt which set forth the implications of recent work on uranium. Thus was set in train one of the three dramatic instances of scientific involvement in public affairs of our day, and while we may reflect that this type of involvement is at least as old as Archimedes, it has in recent times become so widespread as to be almost commonplace.

The reason is obvious enough, scholars require some understanding of the conditions under which they must maneuver. If politics is the art of the possible, the politician must know what are the bounds of possibility. This means that he needs help. He may sometimes appear to claim omniscience, but the wise leader knows in his heart the depth of his ignorance, and the extent of his success is not infrequently measured by the skill with which he seeks advice.

In the course of hi stor y a stream of experts has passed through the councils of kings and the cabinets of ministers. At first there was a trickle of specialists, mainly legal, financial, military and political. Now the scientists have opened on a deluge of ex pertise - and the special knowledge of skills. Among these the scientist catches our eye today as he has come to affect in a most mass ive way the power of nations and the welfare of peoples.

From bombs to balances the scientists point the way to new methods, and we take them with adventurous alacrity. As our knowledge and power increase we are prepared to experiment hugesly with the human condition. We doctor our bodies with ever increasing imagination; we surround ourselves with new weapons, new books, new homes, and new highways; we blow holes in the earth and will rocket, it is hoped, our fellows to the moon. Science is certainly involved in our public affairs and, some would say also, in matters we had hitherto regarded as private.

Purity

In this so the objectivity of pure science goes out the window. It does matter what is going on in the lab, and what goes on outside becomes influential inside. Without the nuclear physicists there would surely have been no bomb. For geologists the uncomplaining rocks have given us a glimpse of the impact of science outside. But, though advice may be biased or incomplete, that is no reason to reject it but only to treat it with some reserve and caution. Barry Commoner has described our record in jumping on the bandwagon. It does matter what is going on in the lab, and what goes on outside becomes influential inside.

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This suggests that there is a special responsibility on the scientist - and the term may be used in the loosest way to include all with special skills and special knowledge - to pause and reflect on the significance of his work for the society in which he lives. And at times he must speak out. Not all can, like Szilard, captivate the ear of a President. Others have operated and must operate at a humble though nonetheless effective level. Some indeed had better remain silent. God forbid that every scientist should charge into the public arena. But some should and happily have. If scientists have an obligation to contribute to the public debate,

LSD -- Ecstasy or Insanity?

Color Film & Discussion
Sunday — October 22 — 7:30 p.m.
Mr. Milford S. Zimmerman
Assistant Professor, Cal State,
Will Lead a Discussion on
Hallucinogenic & Psychedelic Drugs
For the College Group
Throop Memorial Church
300 So. Los Robles Ave., Pas.

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It will help you keep track of your money - where you spend it, what for, and how much within your budget. You'll have a receipt for every purchase, and at the same time your funds will receive the security and protection of the world's largest bank. Tenplan® checks are personalized with your name and address - and for students cost just 15¢ each regardless of the size of your balance.

Bank of America makes a specialty of providing banking services for college students. And we've prepared a kit to tell you about them. Why not stop by and pick one up. And feel free, at any time, to bring your questions about money to a bank office. He'll gladly provide free counseling and assistance.

After all, we know that everyone can't be a Finance major.

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Wark Describes Treasures Of Huntington Museum

In the first of a full series of Caltech’s Monday Night Lectures, Dr. Robert Wark, curator of the Huntington Art Gallery, discussed the development and current contributions of the art under his care.

The gallery is housed in the former home of the late Henry Huntington, the collection’s founder. Along with the more famous Huntington Library and the botanical gardens, the gallery is located on a large tract of ground in San Marino, about a mile from campus. The collection itself is composed exclusively of British portraits, drawings, silver, and watercolors, and French furniture and sculpture, all of the period 1750-1850, sometimes classified as “Georgian.”

So specialized a collection, which attempts to reflect a large number of works by a comparatively small number of artists, naturally is not so famous in the public as galleries with representatives of a large number of artists. Wark, by the use of comparative slides, demonstrated the value for scholars in such a collection as to an artist’s development in regard to style and techniques. Such study is rarely possible with broadly based collections.

When the gallery opens November 1, a special exhibit of Gainsborough landscape sketches will supplement the permanent exhibits, and Wark emphasized the interest that a continuing series of such specialty exhibits might have for the visiting public.

The starting time for the lectures has been changed to 8:30 PM, rather than 8:15. In previous years, these lectures have attracted hordes from the local area, so that Pasadena residents now outnumber Caltech personnel. Such was the overflow in especially large lectures in the past (one was repeated the following night) that an early arrival at Beckman Auditorium is advised. Admittance is free and open to the public.

The new Military Selective Service Act, enacted June 30, 1967, contains certain provisions affecting student deferment programs different from those previously in effect. Primary liability for military training and service is placed on male citizens of the United States who are between 18 and 26 years of age and on male aliens in the same age range who have been admitted for permanent residence or have spent time in the United States totaling at least one year. “Military training and service” involves a total time of six years, of which required active duty may occupy from as little as four months to as much as four years, regular duty occupying the remainder. Drafts are committed to two years of active duty followed by four years of reserve.

A registrant may be placed in Class I-S (student deferment) if he has requested it and is “satisfactorily pursuing a full-time course of instruction at a college, university, or similar institution of learning.” Progress is considered satisfactory if the student has earned, say, at least 25 percent of the total number of credits required for graduation if he has been enrolled 25 percent of the amount of time normally required for graduation. It is the student’s responsibility to report annually to his local draft board, giving evidence of satisfactory progress. I-S deferment is contingent upon the registrant completing requirements for a bachelor’s degree, fails to give evidence of satisfactory academic progress, or attains the age of 21 years.

A full-time college student who is not classified I-S for some reason, is making satisfactory academic progress, and is ordered to report for induction during his academic year shall be placed in Class I-S unless he has previously been placed in Class I-S for this reason or he was in Class I-S and received his bachelor’s degree. He will remain in Class I-S until the end of the academic year unless he fails to maintain satisfactory progress during the year. The “academic year” is defined as the 12-month period following the beginning of instruction (course of study). Deferments are available in California while preparing for skills or occupations that the director of the Selective Service System as necessary for national health, safety, or interest. It has not yet been defined; the list will be given only after the bill has continued to be subject to revision.

Grad Students

Any student in his first semester of graduate study on Oct. 1, 1967, if he entered the field before the passing of the bill, may be placed in Class I-S for one year only, unless he ceases to maintain satisfactory progress.

Any student in his second (or later) consecutive year of graduate study may be placed in Class I-S if his school certifies that he is satisfactorily pursuing a full-time course of instruction leading to a degree. He may be deferred for a course leading to a master’s degree for more than one year. If he is pursuing a doctorate or professional degree, he may be deferred as much as one additional year or one year, if he has not in two years in graduate study, whichever is greater.

The July 10, 1967, issue of U.S. News and World Report contains an article on the new act that makes specific questions about deferments for graduate study. The text of the President’s proposal is in the Senate Record. The bill is in the Senate, issue of the Federal Register.

Larsuel Seeks Commitments In Ghetto

(Continued from page 4)

ment, “Look at all the jobs you could get if you were only qualified,” is, “When is the white school gasp that you’re not qualified?”

He clarified the impression that might be bad that there is no bomb in Pasadena. “There definitely is a bomb on the block and it’s burning slow, so far. Mr. Larsuel sat down with the black residents and he couldn’t put the respect that he is in the July 4, 1967, issue of the LA Times, of the President’s proposal is in the Senate Record. The bill is in the Senate, issue of the Federal Register.

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Caltech Soccer Team Scores Victory Over Cal Poly for First of Season

The Caltech soccer team scored an exciting victory over Cal Poly at Pomona last Wednesday. The final score was 2-1 for the Beavers' first win of 1967 campaign.

Both teams played well, in spite of heavy smog. At the game's start, the smog was already breath-takingly thick, and by the end of the game, one could hardly see the opposite end of the field clearly.

CIT's first goal came when Armando Moreira smashed the ball past Cal Poly's defense and into the net. Les Fishbone scored the deciding goal with a long kick from the side of the field which bounced into the goal just beyond the reach of the Cal Poly goalie.

The Pomona team's only goal came when the ball bounced radically out of a scramble, hit a bump and rolled into the net past the Tech goalkeeper.

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The following Saturday, Tech played host to the USC soccer team at Tournament Park. The Beavers were unable to get up enough steam to break through USC's strong defense early enough, while the Trojans managed to penetrate the Beaver defense for three goals. The final score was 3-1. Caltech's only goal came when Moreira booted a penalty shot past the USC goalie.

Attendance at Saturday's contest against Southern Cal was poor, but better than the previous weeks'. About twenty spectators attended the game.

Oxy Becomes Second Victim Of Tank Team

The varsity water polo team won its second game of the year, thus equaling last year's record, by defeating Oxy 5 to 2 during the league tournament. A strong defense limited Oxy to 9 shots with the two goals coming off penalty shots. Five different men each contributed a goal toward the total for the Beavers.

In other games this week, the tankmen muffed the second sudden-death overtime game of the season to lose to Riverside CC 5 to 4 while having two more men in the pool than Riverside who had fouled out most of their team. Other games at the tournament found Caltech pitted against Cal. St. Fullerton for the second time this year, and losing 5 to 4, with both sides playing their second teams in the second half. A bright spot was the contribution of two goals each by two freshmen in the second half.

For the third game of the day, Caltech met Pomona and played an even game except for the inability of the Beavers to score, even missing the penalty shot. At the end the score was 5 to 0.

Yesterday the league season opened against CHM with the team traveling to Pomona Sat. for a rematch. Cal St. L.A. is at Caltech Tuesday and the team...
The real venom of the Tech defense rests in the ground.

But the real venom of the Tech defense rests in the passing of quarterback Burton. Tom completed 11 of 27 for 204 yards and two touchdowns. Both TD passes went to Martin on long yardage plays. All told, Martin bashed in six catches. The Burton-Martin pass is becoming sort of an institution in the Southern California Intercollegiate Athletic Conference these days, much to the dismay of CIT’s opponents.

The other two CIT touchdowns were scored on a 2-yard sneak by Jesus and a fumble plunged by Tailback. The Beavers also scored two points on a safety late in the game thanks to the thrust turned to agony as the whole team of Beavers after a tremendous effort in the final 10 minutes of the game. The loss to Pomona was Caltech’s third in three games this season. It also brought her conference record to 0-2. At the sea-air battle of the first quarter, the Beaver defense scored no points in two scoring drives provided Burton. Burton was in his usual iron contest. In the first quarter, KawaI, Larry Frazzini, and Barry Frazzini scored two points on a 2-yard sneak by Burton and a 1-yard plunge by Kawa I. The Teckers also scored two points on a 2-yard sneak by Burton and a 1-yard plunge by KawaI. The Teckers also scored two points on a 2-yard sneak.
Interest Abounds in ASCIT Research Project; Topic Due

by Jim Cooper

In an interview this Tuesday for the California Tech, ASCIT President Joe Rhodes stated that the initial meeting of the student research project group was very successful. This meeting, held last Wednesday, October 11, in Beckman Auditorium, was attended by more than 125 graduate and undergraduate students.

The first major decision reached at the meeting was that there would definitely be a student research project. The only remaining question then, is what, exactly, the research topic will be.

Five committees were formed at the meeting to investigate the possibilities for research in each of five different fields. These fields include population control and food production, education, pollution, living systems, and transportation. A sixth committee was also formed to investigate any other research possibilities suggested by any member of the Caltech community.

These six committees will give their reports and recommendations at another general meeting of the research group next Wednesday, October 25, and the final topic for the student research should then be decided.

President Rhodes said that the future of the program looked very bright, but he also warned that if members of the committees became emotionally involved with their pet projects, the project could be almost hopelessly bogged down due to a lack of compromise in choosing a topic.

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TRW CAMPUS INTERVIEWS

WEDNESDAY, OCTOBER 25 AND THURSDAY, OCTOBER 26, 1967

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