New Trustees Bring A Variety of Talents  
by Phil Neches

The Caltech Board of Trustees will shortly install four new members. These two have been announced previously with the Institute; the others two bring a range of experience in business and government. All four are distinguished within their respective fields.

Robert S. McNamara served as Secretary of Defense under President Johnson and is currently president of the World Bank. Previously, he was president of the Ford Motor Company. In his years at Ford and at the Department of Defense, he gained a reputation as an administrator of the highest order. He is a graduate of the University of California, Berkeley, and holds a B.S., M.S., and Ph.D. degrees here at Caltech. Currently, he is working on a development project for the Ramo-Wooldridge Corporation (acquisition of TRW). Dr. McNamara has worked on X-15, the desert sentinel for the LEM on the Apollo program, modernizing the Minuteman system, and anti-submarine warfare for the Navy.

Olga Huttenback comes to the Caltech Board of Trustees from the cold, cruel world of journalism. He is publisher of the Los Angeles Times and is vice-chairman of the Board of the Times-Mirror Company. Under his guidance, the Los Angeles Times has acquired a new look and editorial policy.

Last, but far from least, the distinguished historian of New Deal LA and successor to Nobel laureate George W. Beadle rejoins Caltech as a Trustee. Dr. Beadle was a member of the first Board and died when he was 72.

IHC Move Proposed

Dr. Robert S. McNamara, the first member of the new Board of Trustees to be installed, has already asked for more time. They now expect that the move to Claremont will take place beginning in the fall of 1968.

The Clean-Air Car Race will be an important part of the competition. Each entrant will be required to make pollution emission measurements in the three phases of the competition. The first phase will consist of air pollution measurements to be made in California at the conclusion of the cross-country trip. The second phase will consist of tests to be made over public roads between Los Angeles and San Francisco, and the third phase will consist of air pollution measurements to be made in California at the conclusion of the cross-country trip.

Negotiations are now going on between Caltech and Immunolite Heart College about the possibility of moving the IHC campus into the Pasadena area, probably right next to the IHC Move. The IHC has planned for a long time to move out of their present facilities in Hollywood. However, they had planned to move to the Claremont area. About a month ago, many people at IHC became concerned that the planned move to Claremont would not be able to be carried out because some of the schools of the world had been already occupied or were going to be occupied very soon. Therefore, the Institute now owns between Wilson and Hill north of San Pasqual.

It is expected that if IHC moved to the Claremont area, they would occupy some of the land which the Institute now owns south of Wilson and Hill.

The first of the two events planned for the Institute is the Interhouse Is Going Dry. It is rumored that no one lasted more than thirty minutes at this job. From there the guests entered a dark passageway filled with cobweb-like threads, a very uncomfortable sensation. After viewing some unusual lighting effects the guests entered the lounge where The Answer was being performed.

Winter came to Ruddock House this year. Their courtyard became a remarkable facsimile of a glacier and was turned into a stage for the dining room. The House also had a remarkable facsimile of a glacier. How the dorms had come from the government. The federal government had given IHC the money to build two new buildings, apparently with the understanding that they be built in Claremont. It is not certain at the present time whether the government would transfer the funds for the construction of the two buildings at Caltech.

Most IHC students appear to favor moving here in fact. In fact, they hope to have the IHC in its decision to reconsider the move to Claremont.

Dabney Eats It

Though it was the last to begin physical preparations, Dabney House was the first to complete them. While a few on- and off-campus trucks were working on the Dabney-Eastland tandem (hats off to all about this beast later), many more people were busily preparing for the grand feast that took place at 6:45 that evening. Hoping to live up to their reputation, the hosts of Dabney Daftus cooked with tremendous assist from Food Services’ lake king crab coctail, lobster, filet mignon, potatoes au gratin, Amish pastry, and the white and red wines. They also offered the fish and meat. Believe it or not Food Services can prepare an excellent meal.

One Neck to Give

Flimming House’s two performances were the most unusual of the evening, through their play to show that educational matters. He pointed out that half of the government’s tax money so far has dealt with the money for higher education, which is only one-twentieth of the state budget. Unruh also stated that Reagan’s popularity was supported on scare issues, and that he must be beaten.

Unruh Talks To Tech

by Nick Smith

On November 25 and 26, Assemblyman Unruh spoke before the Assembly Minority Leader Jesse Unruh talks with students in Dabney House before his lecture at Beckman Auditorium.

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Unruh’s talk was basically on the problems facing California, which are indeed legion. One of this major points was that it is the job of the government to provide the push needed to solve the problems of the state. He said, “The legislative is a melting pot ... whose solutions are often mutually repugnant to both sides. . . . The promulgation of ideas, the push, must come from the Executive Branch.”

Unruh was critical of the Reagan administration, especially his handling of educational matters. He pointed out that half of the government’s tax money so far has dealt with the money for higher education, which is only one-twentieth of the state budget. Unruh also stated that Reagan’s popularity was supported on scare issues, and that he must be beaten.

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Caltech is now presented with the possibility that a girls’ school, Immaculate Heart College, might move into Pasadena, probably in the immediate future.

The immediate reaction of Techers to this possibility has been one of jubilation. However, many people are disturbed when they hear that IHC might have to buy Institute land now slated for future development. These people are afraid that the future of Caltech might suffer if IHC were to move here.

We believe that the good that would be derived from having this girls’ school on the Tech campus would far outweigh the possible future effects on the Institute.

If, however, we would point out that Caltech does legally have eminent domain over the neighboring land. This is a prerogative that Caltech has never used. However, if it were felt that the land which IHC might require, would hurt the future development of Caltech, we would always apply our eminent domain in order to quickly recover the lost real estate.

We hope that this great opportunity will not be lost.

Craig L. Sarazin

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Letters....

Page Objects to Enrollment Increase for Next Year

Gentlemen:

Last week the faculty decided, by a 43-33 vote, to increase by 25 the size of next year’s freshman class. The additional crowding in the houses, and the additional bedding that would result from such an increase, we consider this move to be extremely unwise.

We believe that this increase will result in a marked decrease in the quality of student house life. For the most part, the upperclassmen will be driven off campus, and many of the traditions and much of the flavor of student house life will be lost.

We feel certain that Page House will suffer greatly the burden of this increase in enrollment.

We are amazed that a decision of such far-reaching consequence should have been reached by such a narrow margin. It is hard to believe that the considered opinions of the entire faculty could have been determined by polling only 76 members of the faculty.

We request that this matter be brought up for another vote and that a complete polling of the faculty be taken at that time.

Sincerely yours,

Craig Sarazin

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The quality of student life would be enhanced and yet Caltech would still remain an institute dedicated to excellence in science. A university atmosphere would be created and yet Caltech would maintain the high quality of their specialties and yet just by being close complement each other’s strengths.

We would like to see IHC move to Pasadena and hope that this opportunity does not pass because of a lack of expression of interest on the part of the Caltech community. Anything you can do to help us in this effort will be appreciated.

Brian Bremner
R.A., Fleming

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Dig That Beat

Scoops From Hallowed Hall

by Etonio Schoenfield

With the publication of the hottest news item of this week is the news about Immaculate Heart College (IHC). IHC being IHC, their old site, were supposedly committed to moving out of the area, but right now are considering a move to Pasadena instead.

It is reported that the man who moved the mountain (to bring it to Mahomet?) is Institute President Harold Brown, who has several aims with the powers that be at IHC. Apparently the people at IHC now feel like the Institute as a whole is very definitely a factor, as construction must be done rapidly anyway, and it is not certain that the Federal Government, which provided funds for much of the new buildings, will approve a transfer of the site from Claremont to here in time.

If IHC should come to Pasadena, it is not certain where they would build. Some Institute sources say that we would probably sell them the Institute-owned land on the large block bounded by Wilson, San Pasqual, Del Mar, and Catalina. At this time, the land owner owns almost all of the block, and all that is slated to go in it is the future a random building complex. It is likely that IHC probably won’t have the money yet.

Would you let an Astrophysics building stand between Tech and IHC? Of course, the parking problems would be intensified by a factor of a n around here, which is another matter entirely, but surely something could be done.

The Grape Seal

So you don’t think much of the new Institute Seal, but it doesn’t really matter? Wrong, at least to one organization here. The Bookstore is worried because nobody seems to be buying any of their paraphernalia with the new seal on it, although the old stock sold quite rapidly.

Pity the IHC-Excom Committee which had to make the student appointments to faculty committees over the last few weeks. For IHC was appointed to both the Admissions Committee and Academic Policies. Committee, there were 31 and 18 applicants, respectively. That figures to 70% of the freshmen class who applied for Admissions. Could it be that students here are becoming more interested and active...? The Research Center is also worried about the lack of things doing, and wishes that anyone who has suggestions or would like to do something would get in touch with him. For that matter, the ASCIT publications could all probably use some more help too. The Tech in particular could use a driver willing to donate an hour or two sometimes Wednesday afternoon and again Thursday morning to help get us papers to and from our printer in print center. This is a paid position see Moskatel or Schroeder about.

Profs vs. Outside World

One of the things that the faculty Minority Admissions Committee is trying to do is foster better relations with Pasadena schools, and perhaps help cause student interest in science. One thing which is being considered is to start a program of sending student professors to give lectures in science and math courses, their teaching assistants on local schools. Only volunteers would be sent out, of course. I suppose that the new Minority Committee will have something to do with this too.

For those of you who like follow-ups, the final vote last week on the issue of expanding the size of the freshman class to 225 was 43-33 in favor. Apparently large numbers of faculty abstained or ignored the meeting. Many physicists and mathematicians did not, however, leading a “last-ditch” effort to defeat the resolution. I guess we’ll just have to be sure not to let any extra physicists in this year.

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USA Out of CBW-At Last

by Nick Smith

Last week, President Nixon made the announcement that the United States would dispose of its stockpile of bacteriological "weapons." Even more important, future research would be limited to immunization and safety measures. This is a major step in protecting mankind from accidental or deliberate destruction, since such weapons are hard to aim, and since the United States has enough of them to wipe out the eastern half of the known universe.

The new policy announcement was based on a report by the National Security Council. Nixon also announced that the United States would use deadly or permanently incapacitating chemicals only in reply to their use by another nation against us. Finally, he asked Congress to give final approval to the 1925 Geneva accord on poison weapons.

This last must set a record which could only be matched if the Senate ratified the League of Nations next week. It means that the United States would no longer have an easy out as being a non-great-power nation, in case of violations.

There will be those who question Nixon's motives for these sudden moves toward limiting warfare, but the important thing is that the steps are being taken. Nixon's support of such things as the nuclear non-proliferation treaty, the arms limitation talks, and the British proposal for an international ban on biological warfare indicates his wishes to avoid the possibilities involved in total war and all that it implies.

Nixon very carefully exempted tear gas, herbicides and riot control agents from the list of things which the United States would not use first. Thus Nixon builds as image as a peacemaker, and at the same time keeps weapons for use in Vietnam or San Francisco. He must do both of these things in order to try and gain the active support of the weak majority.

"Mankind already carries in its own hands too many of the seeds of its own destruction," Nixon said. "By the examples that we set today, we hope to contribute to an atmosphere of peace and understanding between all nations."

I hope he means it.

Wright & Logan

Registering For The Draft

To the best of our knowledge, all the information in this column is accurate at the present time. However, judgments by the courts or changes in the Regulations occur regularly. A counselor or lawyer should be consulted before taking any major action that will affect your Selective Service status.

REGISTRATION

Every male citizen of the United States is required to register in person with a local Selective Service board within five days after his 18th birthday. In general, most foreign students possessing a "student" visa do not have to register, while most non male citizens between the ages of 18 and 26 must register with a local board within six months after their arrival in the United States. There are important exceptions to these two generalizations that every non-citizen should check into with a draft counselor. You may register at any local board office. When you appear at a local board to register, you will be asked to sign your name and place of residence on the Tally Sheet (SSS Form 4). A clerk will then prepare a Registration Card (SSS Form 1) which will include your date of birth, your mailing address, and your permanent address. These two addresses are very important. You will be assigned to the local board which has jurisdiction over the area in which your permanent address is located, no matter where you register. Once assigned to that particular local board, you will always be "stationed" in it; you cannot change to another one. It is a sad but true fact that different local boards behave very differently. For example, of the boards in Los Angeles, the Westwood board seems to have fewer "registrants" making defferments from the, Long Beach branch seems to be pretty good, and the Pasadena board seems to be fairly reasonable. It is also usually easier to get a technical occasional deferment from a board in an industrial area than it is from a board in an agricultural area. A judicious choice of permanent address can therefore prove to be extremely helpful to your future deferment plans. Any Caltech student can legally give his Caltech address or his parents' address as his permanent address or, if he should know of another local board he would prefer, he merely has to establish a residence address in that board's jurisdictional area and give that address as his permanent address.

The permanent address you give determines your local board assignment. the mailing address you give is used by that local board in its correspondence with you. You are required to answer correspondence the board mails you within a certain time period (usually 10 days or 20 days). If you fail to do so, you may be declared delinquent or your appearance rights. Students are liable to move around many times. If you once forget to notify your board of your new address, you will no longer receive the mail sent to you by your board. Selective Service mail is not forwarded. Therefore it is a good idea to give a stable address such as your parents' as your mailing address until you establish a fairly stable address. Your parents can put your Selective Service mail in another envelope and mail it to you as soon as they receive it. This arrangement satisfies the law which requires you to keep your local board advised of an address through which it can correspond with you in a timely manner. If the last name of the people whose address you are using as a mailing address is different than your last name, give you mailing address as "your name" c/o "their name" continued on page seven

OUTLOOK BRIGHTENED FOR PALOMAR

The mirror of the 200 inch telescope at Mount Palomar is being rebrightened in a new project. Under this new coating is only 2/100,000 of an inch thick and is formed from an alloy of aluminum adhering to the surface of the 14.5 ton mirror. The new coat should be good for more than 10 years and was paid for by the U.S. Military and the T. T. Cannon Foundation.

THE MESSIAH IS COMING TO PASADENA!

Handel's "Messiah" will be performed for the thirty-third successive year this Christmas season. The new cast is only 1/1000 of an inch thick and is formed from an alloy of aluminum adhering to the surface of the 14.5 ton mirror. The mirror will be used by the California Institute of Technology, and will finance one or two lectureships, an idea that has been reorganized. The new cast is only 1/1000 of an inch thick and is formed from an alloy of aluminum adhering to the surface of the 14.5 ton mirror. The new coat should be good for more than 10 years and was paid for by the U.S. Military and the T. T. Cannon Foundation.

AFRICAN EXPERT TO LECTURE AT CALBERY

Victor DuBois, an expert on Sub-Saharan Africa, will lecture at Calberby on Monday, Dec. 10th at 7:15. For more information contact Dr. Aron Kupperman, chairman of the Division of Engineering and Applied Science, the grant is awarded to the University of California for the purpose of carrying out research in the field described above.
Dan O'Neill
D BODKINS

The Critical Ear
Hot Rats/ Frank Zappa/Bizarre, Warner Bros. RS 6356

Hot Rats comes on with all the super freaky trappings-strange label, word cover art, and Frank Zappa. When you listen to the record you are inclined to check the label again. Zappa has finally produced the ultimate in bizarre sounds, Frank Zappa playing straight music (or at least as straight in Frank Zappa will ever get).

Zappa is branching out from his previous role as head mother in The Mothers of Invention. The Mothers recently disbanded saying they had served their intended purpose and are now doing new things individually. For Frank the new things include producing on two sub-labels of Warner-Reprise, Straight and Bizarre.

This latest release from Bizarre is quite well done, unlike the earlier Wild Man Fischer Album. Zappa has teamed up with Ian Underwood who plays piano, organ, flute, clarinet, etc., for Hot Rats. Eight other musicians helped out with various cuts. The album is principally instrumental. Only one cut, "Willie the Pimp," has vocals and they are short. The sound can probably be best approximated as Big Band (you know, like "Now from the Lovely Under Arms in beautiful downtown Burbank, it's time to swing and swing with Charlie Barris"). If the drums were toned down just a touch you probably couldn't milk most of the staff into the Coconut Grove. How you'd get Zappa in is another question. It would probably be best not to announce titles either, since "The Electric Forerunner" or "Song of Mr. Green Genes" just doesn't give the right impression of what the music is.

The album proves what has been supposed: for a long time Frank Zappa is really a reasonable musician. Without going into his normal specialized interests. Typically they have only one organ and a synthesizer competition. (Those who contend that Switched-On Bach is an unnatural sound for classical music should listen to these organs before deciding.) Thepieces do have a more solo than orchestral quality, however. The specialized nature of the record will probably limit its appeal to those with specialized interests.

Editors' Note: First of all we wish to thank the Chandler Pavilion for supplying us with the two complements that follow. Secondly, if the ticket prices seem staggering, it is because 200 people and fourteen semi-children had to be brought from New York to make these performances possible. Thirdly, why doesn't Los Angeles have it's own opera company?

Continued on Page Six

E. POWER BIGGS: Historic Oranges of Italy; Columbia MS 7379

As the title implies E. Power Biggs has recorded performances on first organs in Italy built in the 14th through 19th centuries. These organs are far more sophisticated than those one normally thinks of for the performance of classical organ music. Typically they have only one manual and a rather limited number of stops which emphasize a light, singing treble. To properly present these instruments, Biggs has chosen works by Italian composers who were contemporaries of the instruments.

Quite predictably the sound is not the familiar full major sound of a large organ. The very light orchestration makes the organ seem much closer to a piano or harpsichord than a more fully stopped organ. This is not meant to imply that the color of organ music has been lost. Indeed some of the stops are so colored that they could give a synthesizer composition. (Those who switched on Bach is an unnatural sound for classical music should listen to these organs before deciding.) The pieces do have a more solo than orchestral quality, however. The specialized nature of the record will probably limit its appeal to those with specialized interests.

James Henry

ARTHUR: or the Decline and Fall of the British Empire: The Kinks, Warner-Seven Arts-Reprise 6366.

"Arthur" has got to be one of the most packed albums in history. The review copy came with an over-jacket, two photos, a letter, and four press releases. The gist of the whole thing was that "Arthur" was to be the best album of British origin of the year. They came close, but "Abebo Road" is better, and many others may yet be. "Arthur" is actually an excellent album. It is really the score of a grandiose operatic production with a heavy use of woodwinds and a few voices. The story line is fairly complex, and on some numbers there are only three musicians. Frank Zappa fans probably are hard to surprise.

Penalty Pollution

Contested from one to five must participate in each of the three parts.

The transcontinental race will be separated into six legs between the following cities: Los Angeles, Chicago, Cleveland, Philadelphia, St. Louis, Oklahoma City, Albuquerque, and Portland, Eugene. Each leg will be started at a prescribed time on successive days. For each leg, each entrant will be allowed the time "ten outs." No time out will be less than 30 minutes or more than one hour. Time outs are for activities such as charging, refueling, or taking "mess." All existing traffic laws must be obeyed.

Reservations for stations and electric car entries will be arranged by the race organizers in advance.

The Museum: This Sunday, provided it produces less air pollution than is specified by the 1974 air pollution law, an entrant will be allowed up to ten "time outs." No time out will be less than 30 minutes or more than one hour. Traffic laws must be obeyed.

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We Are Not Alone

More interesting, though, are the members of what might be termed an educational-financial-industrial complex. Caltech must share the academic limelight with the Pasadena Unified School District and (yes) Ambassador College. Department stores include Bullocks and F. C. Nash & Co. There are also swatbots such as the Huntington-Sheraton Hotel and the Independent-Star News office.

Hartford may be the insurance capital of the world, but 91109 has offices of Allstate, West Coast Immune Agency, General Immune Corp. of Fort Worth, Houston Fire and Casualty Insurance Co., and Motors Insurance Corp. Other financial institutions are Bank of America, Wells Fargo Bank, Mutual Savings and Loan Association, California Savings and Loan Leasing, Westco Financial Corp., and Marble Mortgage Co., a division of United California Bank.


As one may see, 91109 is a special zip code for receivers of large quantities of mail. Deliveries are made directly by the post office on routes that are separate from zip areas that are designated by a strictly geographical method.

Despite the thrills obtained from using very short mailing addresses, the Caltech Mail Room recommends spending the word: your name, your house, California Institute of Technology, 1201 E. California Blvd., Pasadena 3, Calif. 91109. If all else fails, be sure to remember that also within 91109 is the office of World Wide Missions.

The Dillards are difficult to describe. They are mostly a country group, with a lot of humor thrown in. They are fun to watch and to listen to. They are good at a place like the Caltech, because they have an audience that is rare.

The Dillards consist of Rodney Dillard (guitar and vocals), Mitch Dillard (bass), Fingers Webb (Mandolin), Paul York (drums), and a banjoist whose name may or may not be Herby. Mitch called him several different things during the show.

The Dillards do both new and old songs, and do them well. The ones I like best by them are "Someone Like You" (it's played on the radio) and "Shady Grove." I think the Dillards have themselves to be one of the two best country groups around, the other being Poco. They have two new albums, one of which may not be out yet, "Judd's Fielder" and "Wheat Straw Suite" (containing "Someone Like You"). From what I heard, these two Dillards albums will be worth buying.

Mary McCasin was also on the show, and was quite good. Somehow she reminds me of a combination of Joan Baez and Janis Mitchell, only doing other people's songs. She did "Carmen" and Jan Mitchell's song, "Nathan Lefranter," both of them fantastically. On the Continuous Page Six.

HEAR THE SOUND OF MY FEET WALKING DROWN THE SOUND OF MY VOICE TALKING . . . by Dan O'Neill, Gide Urban Carrier Publications,Brooklyn

Most of you have seen some of Dan O'Neill's work, since he's carried his "Odd Bodkins" comic strip in this paper. Well, this is a whole book of "Odd Bodkins," but written and drawn as a book rather than as a collection of strips. "Odd Bodkins" is a show in a place in a world where half-wit-here and Magic Cookie Land and oceans and celestial bodies wander about for convenience. The sun is the only one that has a face and talks to each other. It is the home of the only Batwing Wonderer Snatcher and the Magic Cookie Bush. Ham­burgers and oceans discuss metaphysics in the moonlight, and talk about the sound of "Awk." "Awk" is a floating, fast and forth between hilarious antics and serious thoughts in this book. As far as elaborate chains of thought or lack of it, it outdoors even "Pug." Most of the book is done without color, because Dan O'Neill left it in the form of a color book for us to color.

Most of the pictures is impossible to describe, so I won't even try. If you have any sense of humor at all, you will like this book. If you can't scrape up the money (it's a huge book), and you give Dan O'Neill a watch, it to you for Christmas. It's worth the effort and/or money.

Just remember, the moon knows the end of the joke, and hope that God watches out for rocks.

Grooks I and Grooks 2 by Piet Hein.

Published by McClelland and Stewart, Inc. $1.45 each in paperback.

Piet Hein is a strange man. He is a poet, scientist, designer, game maker, and (yes!) Ambassador College. He designed the odd shape for the Stockholm cit!, centre. In his spare time, he writes Grooks.

Grooks are little, aphoristic poems, accompanied by a drawing, and usually saying something about people. They are illustrated haiku. They were started by the Danish Resistance during the German occupation. Sometimes they were codes, sometimes just fun. They were published by the Danish Resistance during the German occupation. Sometimes they were codes, sometimes just fun. They were published by the Danish Resistance during the German occupation.

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New Trustees

Continued from Page One

He won his Nobel Prize in 1958 for his work in the role of genes in controlling biochemical reactions in the bacterium E. coli. After Beadle returns to Caltech from his position as president emeritus of the University of Chicago.

Thus, the new trustees represent an unusually diverse and talented group of men; all have helped leaders in government, journalism, science, and engineering. They are well aware of the challenges which, both present and the future, will be theirs to cope with.

Fall Sports Banner}

The Athletic Banquet for participants in the fall sports will be held tomorrow night at 6:00 p.m. in the Page House dining room. The banquet will feature ceremonies honoring the fall sports participants, and a steak dinner. Tickets are still available from the coaches or from Bruce Ault, ASCIT Athletic Manager.
ANNOUNCING A NEW COLUMN

Intended to be a regular, appearing feature of commentary, humor, and random garbage, probably resembling Joseph Anthony A. Art Buchwald as much as the Tech resembles the L.A. Times.

Random Garbage: The Pantry is selling ordinary food service steaks, BOUNCING PINKISH-BROWN MANDO-FRACTERS! and sets copies of the Feynman physics books must be PONDEROUS RED NONGROK-KERS! and Millikan Library becomes the INELUCTABLE BLACK IMPOBLOMISH! (it seemed worse too good to call anything about Millikan ponderous).

I can't stand to think up any more of these. So, in the interest of governing space fillers, I present: Advice for Perplexed Aristotelians.

Dear Aynn Randers,

How often at Tech I feel that somehow I find the idea of applying such a horrible name to the undergraduates to selected faculty and graduate teaching assistants for excellence in teaching. My conviction that such awards, if properly handled, can accomplish a useful function was strengthened by discussions I have had with several of my own professors and other faculty members. Several of them pointed out to me that they had difficulties in evaluating the effectiveness of their own teaching due to lack of feedback from the students. Now, in the process of selecting the recipients of these awards, a good deal of information will have to be collected concerning undergraduate teaching which, if then made available to the faculty, would provide exactly this needed feedback in an organized form. So these awards or prizes, besides being an expression of the appreciation of the students towards selected faculty for their efforts in teaching, would also provide a lot of practical information about concrete improvements in teaching practices.

Difficulties

Unfortunately there are serious difficulties in making such prizes fair and objective so a great deal of attention must be paid to the selection mechanism. After extensive consultation with the Educational Policies Committee, I settled on the selection process described below.

First of all a maximum of five prizes should be awarded annually.

Continued on Page Seven

Zappa Rats

Continued from Page Four

but he should come close with Hot Rats$, for this recording for this album is probably an obscure sign on the cover. "Shame on you. You didn't trust Mothers."

James Henry

Editor's Note: For comparison here is the Warner/Reprise blurb on the same record.

"Frank Zappa, with the help of such illustrious revolving sidemen as Captain Beefheart, Ian Underwood, Jeef Loest, and Willie the Pimp, has come up with a solo album even more repellent than the last. The Mamma and Lumpy Gravy combined. Critics everywhere will very nearly wet their pants, Strawberries. It's a little greater, and the public will get a little more paranoia because of it, while Zappa, complty enamoured in Laurel Canyon, will threaten to retire to a career of producing Phil Specter & The Ronettes. Listen to it. The disc doesn't make you number two on the easy listening charts. Keep on doing it to our heads, Frank."

---

Guibus Proposes Teaching Awards

by Leonidas J. Guibus

"Where the rewards of valor are the greatest, there will you find also the best and honest spirits among the people." —Thucydides

In a recent article of mine in the California Tech (October 21, 1969) I expressed the opinion that a young faculty member here at Caltech finds himself in an atmosphere where all prestige and material rewards are associated with competence in research. Consequently teaching careers to have any importance and it comes to be considered so a burden that prevents one's full-time devotion to research activities. As I believe that this situation is harmful to the quality of undergraduate education here, I proposed in that article several remedies to the present state of affairs. One of them was the establishment of awards to be given by the undergraduates to selected faculty and graduate teaching assistants for excellence in teaching.

My conviction that such awards, if properly handled, can accomplish a useful function was strengthened by discussions I have had with several of my own professors and other faculty members. Several of them pointed out to me that they had difficulties in evaluating the effectiveness of their own teaching due to lack of feedback from the students. Now, in the process of selecting the recipients of these awards, a good deal of information will have to be collected concerning undergraduate teaching which, if then made available to the faculty, would provide exactly this needed feedback in an organized form. So these awards or prizes, besides being an expression of the appreciation of the students towards selected faculty for their efforts in teaching, would also provide a lot of practical information about concrete improvements in teaching practices.

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Continued on Page Seven
Beavers Maintain Perfect Record

by Richard Short

The Caltech football team regained its perfect record when it lost its last bout by defeating the University of California at San Diego. The Beavers finished the 1969 season with a "perfect" record of 7-0-0 and 9-0-0 in as many games.

The Claremont-Harvey field hockey team scored 7 points in the last game of the season, giving them a total of 27 points for the season. The Beavers scored 0 points in the game, giving them a final season record of 3-0-0.

The Caltech football team had a stellar season, winning all seven games they played. They scored a total of 279 points, with only one loss, a 14-17 defeat to the University of California at San Diego.

The Caltech Varsity Wrestling Team opened its season on November 20, on the tough, rolling U.C.S.D. home court in La Jolla. The Beavers took on their toughest competition yet, includingẩu, taking third, fourth, and respectively, in the middleweight class.

The cross country team finished the dual meets with three wins and six losses. The team lost only one member to graduation this year. Dave Henney, who would have run a marathon as a mile, has survived AM 95 and other obstacles and is looking for a diploma more than a new pair of Addis. Two juniors are still running, Martin Smith and Tim Tariff, who disagree sharply on the relative merits of the longer and shorter. Rachford Higgins has held up the sophomore banner alone, and hopes to do a good job.

The next round match will be against the top seven Caltech wrestlers. Gary Pope has been out front as often as not. The number of matches he has also adapted quite well to four and five mile races. Another match will be against an opponent quite well until sidelined by an injury at New Mexico.

It is not at all certain that the above wrestlers will be the top in the state, but watch the competition of nearly all ten of the weight classes.

Life at Tech

The next page will have a more detailed discussion of the topics discussed in this column. The audience participation is essential to make the column worthwhile.

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Shh...piro H. Agnew
by David L. Wilson

Generally reliable sources have reported that Spiro H. Agnew (the H. stands for Household) visited the Cal Tech campus last weekend. His Air Force Two jet podium arrived complete with 25 microphones, 400 spectators, 50 newsmen, and one extraordinary put-in-a-lot garb. The crowd of forgotten Americans on hand to greet him included Arnold Barkin, Robert Narrowhaai, Ronald Ramgran, and other little known and little thought of common folk.

In Spiri's latest attempt to reach the silent majority, he continued to practice what they preach, and said nothing during his visit. He spent 45 minutes in silent mediation with the local SFA (Silence for Agnew) chapter at CIT.

The SFA recently presented a Fred Friendly speech on martini walk so quietly that no one even noticed them. An SFA spokesman, who carried a "What's so Friendly about Fred?" sign at the protest, termed the Friendly march one of the most successful of the newly-formed SFA group: "Why only one or two guys broke rank and whispered during our demonstration."

The march progressed peacefully from the Millikan Library to Troop Hall between 2 and 3 in the morning before the Friendly speech. The spokesman, who requested I keep quiet about his name, claimed a majority of Cal Tech students and faculty were present. All wore sneakers, and most walked the entire distance on tip-toe.

Agnew arrived, amid sounds of silence at CIT, to praise the SFA. In his remarks he said that support such as theirs ... could lead to a growth of the silent majority in our great country which could culminate in a Silent America. Just think of the impact on Hanoi of 200 million Americans quietly listening to the President on their TV's and then staying tuned for Heidi or the Jets instead of instant analysis."

His audience sat in rapt attention, and the only noise was that of flipping dictionary pages as some attempted to keep up with his fast-flowing, two-syllable words.

Agnew referred to Cal Tech as a hot-bed of liberalism. (Don't use your dictionary for this word. For the most recent definition of liberal, refer to Attorney General Mitchell.) Despite the radicalized nature of the campus, Agnew pointed to SFA as an indication of the coming wave of silence in America."

In his closing remarks he referred to the great love of the American people for their President: "Everyone one tells us he prays daily for our President's health."

..."

Think selfishly about your own career before you decide on one with Du Pont.

Be selfish. But be honest.

You are in a lot of tough years to get your degree. Your allegiance lies with a professional discipline.

Why, then, must you decide now to plugging your trust to a company for life? Don't. Join a company first. If it doesn't advance you within that profession, give up that profession, and marry it.

Many have found career enrichment at Du Pont. This comes from being handed a ball and being expected to run with it. From working with top people, from growing in a company where the opportunities are always open and the projects are often way out.

Others have found, after working at Du Pont, that their professional interest lay in teaching, in further study or in an industry that offered even wider scope in their particular discipline. All of these men left Du Pont far better qualified professionally than when they came.

INTERHOUSE DANCE

Continued from Page Seven

The house itself became a ski lodge. The most impressive decoration was a huge moose head hanging over the roaring fireplace.

An Elephant Where?
The Dublney House Elephant did not disappear once Interhouse was over, it just started moving. At about 10 p.m. on Sunday it magically appeared in the middle of California Blvd. While it resided there its ownership changed in favor of Wes Monral. By the time he got to it to claim it, the Pasadena Police had found it too. They added Monral's party in moving it off the street and eventually left. It was then transported to Rudbeck, where it remained until the next evening.

At that time it was loaded aboard a pickup truck and seven people rode with it to 1380 Sierra Madre where it was unloaded on the front yard of Munsil's girlfriend's home. The police soon came up with the merry band of Trachers and, not willing to mention anything as unbelievable as a huge elephant, had to let them go. That girl certainly must have been surprised the next morning! Maybe its decorations should be redesigned on wheels next year.

This Space for Dawdling

HAWAII—Join the student invasion of Hawaii the summer of 1970. Included in a car, voyage on a schooner, all expenses, music is included. everything but meals. Write Don Gardiner, Box 533, Aromas, Cal. 95004.

HI LIFE
1750 E. Colorado
449-9705

Best bottomless entertainment in Pasadena. Admissions restricted to those 21 years of age.

The $1.00 door charge will be waived upon presentation of a CIT undergraduate, graduate, alumni, faculty, or employee identification card and receipt of a special semester pass.

Continuous shows 12 noon to 2 a.m.

Lunch Shows 12:00-3:00.

Monday night all-strip bottomless contest, 9 p.m.

Now featuring:
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Now featuring:

Rindy Martin

Rindy is a winner of many beauty contests, such as Miss S. E. California, Miss U.S.S. Holister, Miss U.S.S. Galveston, and Miss Shutterbug, entered the Miss Entomology pageant and has never lost a pageant contest she has entered, including L.A. Hollywood, and Miss A-Go-Go California contests. Five feet of blonde dynamite!