Discord Brings Blues to Ruddock Elections

By Ken Wang

Ruddock House elections took a violent twist last Tuesday night when a traditionally fun election-time competition turned into a bizarre and violent altercation.

There were a few minor injuries, but the main damage was to the physical environment of the building. There was a lot of damage done to the house lounge and dining room, and the elections process was disrupted.

Each year, the Ruddock undergraduate attempt is to hold a house meeting next week in order to start your personal account on the Data General machines - all three of them. The new system will have both advantages and disadvantages. The Data General machines will have the vast amount of software and documentation that the VAX has, although the SCPC is trying its best. TROFF and NROFF are available, and they are working on the Versatrace. The operating system resembles the VAX's, but it is a first step toward a more powerful machine with a larger amount of bugs in it. The advantage is that the students will have more computing power with three machines running. Each account will have a disk quota of 5000 blocks, as compared to 400 for the VAX student accounts.

To get acquainted with the new computers, you should step by Jorgensen. In order to use the Data General accounts, you will have to see a member of the SCPC in 154C Jorgensen. The SCPC has schedules for staffing the office will be available next week. The class assignments, such as that for CS114, will remain unchanged, but if anybody wants to retain a personal account on the VAX, he will probably have to pay for it.

There is money available for students who want to work on the Data General machines - writing documentation and such. If you're interested, go talk to Professor Charles Ray in Booth. Remember next week, when the terminal prints SERVICE, it should not be taken lightly. DVC 62.63, or 64 instead of 32.

Notes

Arroyo Room Discussion for Students

On February 8 at 7:30 pm in Baxter Lecture Hall there will be a presentation by President Golberger and Provost Vogt on the Arroyo Center. In the following discussion period there will be an opportunity for students to ask questions of the president or provost on the issues raised.

Faculty-Student Conference

The Faculty-Student Conference is only three weeks away (February 25) and many of the committees are looking for more student input. If you are interested in getting involved in the conference, call Candie McCoy at x6236.

The administration is acutely aware, continued Dr. Golberger, of the "serious issues raised by the faculty and will implement safeguards to deal with them effectively."

Students to Discuss Arroyo Center

A student discussion meeting for the Arroyo Center has been scheduled for next Saturday, Feb. 11, at 7:30 pm.

The administration has indicated that background material will be distributed to the students sometime before the meeting. This material is expected to include a proposal for the Arroyo Center development, as well as current plans concerning its future, especially in its affiliation with JPL and Caltech.

The administration and the faculty who are presenting will be present at the student discussion which is also being held by the Arroyo Center.

Futher background material and comments can be found in the letters section of this issue of the Tech.

Mechanical Universe Gets Big Grant

Caltech will receive an additional $2.85 million from The Annenberg/CPB Project to further develop a physics telecourse, "The Mechanical Universe." The 30-hour, two-semester telecourse will include 26 half-hour programs on basic mechanics previously funded by a $1 million grant and 34 new half-hour programs covering electricity and magnetism, relativity, waves and optics, thermal physics, and modern physics. The previously funded half-hour programs cover such topics as the laws of motion and force.

Together the programs comprise a one-year introduction to college-level physics, according to David Goodstein, professor of physics at Caltech who is executive director and host of the new series. Special effects, including computer-animated equations that perform musical ballets, add glamour to the program.

Caltech's "Mechanical Universe" grant is its share of $5 million provided by the Annenberg/CPB Project for public education telecommunications. Yale University, which received the remainder, will join Wellesley College and Boston public TV station WGBH to produce a two-semester telecourse on French language and culture.

Project director for "The Mechanical Universe" is Dr. Richard P. Olenick, on leave from the physics department at the University of Dallas. Executive producer is Sally V. Bezzy, president of The Corporation for Community College Television.

Since the material on the screen is only part of a package, two textbooks are being specially written for students who enrol in the course. One is for engineering and science majors, and the other is for students in non-technical disciplines. An instruction manual is being prepared for teachers who work with students enrolled in one of the schools, colleges, universities, and companies with continuing education programs.
The Arroyo Center

GSC Clarifies their Position

To the Editor:

As chairman of the Graduate Student Council I would like to thank Chris Meisl for informing the student community about the Army Analysis Program with his tech article of January 27, 1984. Chris made a good effort to report the facts known about the AAP at Caltech, and I believe that his article was accurate. However, his article states that "in as much as the very establishment of the 'Arroyo Center' as well as its function is at issue, we, the Graduate Student Council, on behalf of the graduate students, request that no commitment made by Caltech concerning this project pending full discussion by the Caltech community."

I am pleased to note that the administration has enthusiastically agreed to provide information to the students and hold a discussion on February 8, 1984, where any interested students can voice their views and ask questions. The GSC may, at a later date, survey the students so that it may be able to formulate its position, if this becomes necessary.

Costas Symolakis
Chairman, Graduate Student Council

Questions for Caltech

To the Editor:

With a meeting for Caltech students about the Army Analysis Program/Arroyo Center coming up, West is at 7:30, I thought it important that your readers realise that the controversy has not been resolved by the (nonbinding anyway) vote at the faculty discussion Monday night. Provost Vogt was quoted in the L.A. Times as saying "Caltech does not deliver on its commitments and Caltech does not welch," but "Caltech made no lifelong commitment to host an army tank." But how long would Caltech be involved? Might it take a few years for the Arroyo Center to get up and running? Could it be that if the Arroyo Center/Army Program goes ahead, there will be no military influence, or only very mild influence, at Caltech? How would Caltech separate from it? In other words: development and eventual separation, but re-termination? Since the work would concern Army matters and some of it and some of the reports would be classified, there are many questions that come up. I think many of the questions can be viewed from four perspectives (assuming development followed by separation): 1. Caltech connections with the University of California. 2. The Center itself before separation. 3. The Center after separation. IV. Caltech after separation. I have tried to list a few of them on continued page 7

Remove the Cause of Disagreement

To the Editor:

According to the Constitution this country has an army which may be charged by the civilian government to do various tasks. The leaders of this army have asked JPL to help them to set up a center to study and advise on how best to carry out its functions, when and if they are called to do so. JPL was already doing technical work for the army, but this was something different requiring new skills in planning, politics, management, etc. These being outside JPL's usual talent would require hiring new people with new skills. Thus it was to be a separate center under JPL, ultimately in new quarters (because the new people were not used to engineers quarters who can work in it). For example a task the army may be called upon to do is to control severe civil disturbances. The army came to JPL explaining that they really did not know how to do this and one of the things the Center might do would be to think about how to train their soldiers, what weapons to allow, etc., so such catastrophes as Kent State could be avoided. Thus, if you ever were called upon to be in this difficult position they could do it with the least harm and misunderstanding.

It is good that they are thinking about all these things, and good civilian advice might be of great value.

Nevertheless this particular request upset many people. And other requests for improving army efficiency are often misunderstood and considered odious to many people. Whether this is sensible or irrational, the feelings are always strong and incite great argument. We at Caltech, faculty, JPL, students, alumni and townspeople, are mostly happy mutual friends, and such emotional discussion would destroy this valuable and unusual relationship.

Therefore, I think it is advisable, no matter how general this sensible and useful such a Center might or might not be, to terminate this Center as expeditiously as possible.

There are already all kinds of strain and rumors of misunderstanding among us. For example, some say "JPL wants to expand its defense work above the suggested 30% maximum (first it was to be 6%, then 30%, now what?" Actually JPL wants space exploration work; the decrease in this forced them to look elsewhere. The new director has been trying to decrease this classified work; it was once nearly 50%; he has gotten it continued on page 3

The Caltech Y Fly-by

Friday...February 3
Noon Concert -- Live--the one--the only--(and our very own) Caltech Jazz Band. Come on over to the Quad to hear this funny bunch.

Wednesday...February 8
Moon Update with High Energy Ian Beams', Marcus Mendez Hall, research fellow in physics. Feel free to bring a lunch with Winnett Clubroom 1. Arroyo Center Debate. This is the opportunity for the students to participate in this important discussion about the Army Analysis Program (Arroyo Center). Provost Steve Welch and Provost Vogt will give a presentation and answer questions you might have.

Baxter Lecture Hall, 7:30 pm.

Start getting psyched. A Y member will be knocking at your door. That's right, The Y is asking for financial support to help bring all those wonderful programs to you time again. A donation of $35 or more will get you one of those fantastic Y T-shirts absolutely free. Don't be a Scrooge...Help us help you.

For more information please call the Y at 356-6163

Murph Should Resign

To the Editor:

The course of the last one and one-half years, subsequent to the decision by the faculty to classify Department of Defense work at JPL (for the express purposes of the Army Analysis Program personnel), the administrations of Caltech and JPL have been bound to a military organization conducting classified research. This is not the GSC's position. The actual January 12, 1984 GSC resolution mentions some objections raised by various institute meetings, that it should be given a chance to participate in the discussions about its desirability. In fact, the resolution mentioned also states that "in as much as the very establishment of the 'Arroyo Center' as well as its function is at issue, we, the Graduate Student Council, on behalf of the graduate students, request that no commitment made by Caltech concerning this project pending full discussion by the Caltech community."

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Nevertheless this particular request upset many people. And other requests for improving army efficiency are often misunderstood and considered odious to many people. Whether this is sensible or irrational, the feelings are always strong and incite great argument. We at Caltech, faculty, JPL, students, alumni and townspeople, are mostly happy mutual friends, and such emotional discussion would destroy this valuable and unusual relationship.

Therefore, I think it is advisable, no matter how general this sensible and useful such a Center might or might not be, to terminate this Center as expeditiously as possible.

There are already all kinds of strain and rumors of misunderstanding among us. For example, some say "JPL wants to expand its defense work above the suggested 30% maximum (first it was to be 6%, then 30%, now what?)" Actually JPL wants space exploration work; the decrease in this forced them to look elsewhere. The new director has been trying to decrease this classified work; it was once nearly 50%; he has gotten it continued on page 3
Why ARROYO: disruptive with its new hiring and backgrounds.

From my view, at least, it is not the faculty's position to say JPL what to do, but I do want to point out a danger the Army Center activity may pose in generating misunderstanding and strife among us.

There have even been suggestions of nefarious scheming on the part of our president, for example, in keeping faculty uninformed or misinformed (about something that may or may not be our business). I know Murph Goldberger, and that motive is absurd. He has frankly admitted to making errors in handling this. I love Murph Goldberger, as most people do, for his humaneness. And his being human brings that comcomitant possibility of error. Only a great man can so forthrightly admit to error.

Normal human error yes, but secret plotting never.

Enough! Remove the cause of disagreement—the Center—as nearly as possible, and forget our recent mutual misunderstandings about it. We shall find it easy to reconstruct our unique close and happy family attitude among the various parts of the community.

In particular, hail to the faculty life at Caltech be known. I am currently on leave of absence from the Institute because I feel that the undergraduate experience at Caltech is neither mentally nor physically healthy.

As I see it, Caltech as a whole has some very serious problems when it comes to meeting the many needs of its select group of high ability undergraduates. The Caltech tradition of very few guidelines seems to make any meaningful guidance non-existent. The student houses seem to lack any meaningful rites of initiation. Some professors seem very disturbed at any time away from research spent on teaching the next generation of scientists and engineers.

Caltech attracts very select individuals—ones who seem to have an intense need to understand the world around them. Why does it seem that any meaningful relations with the faculty are not actively sought after by the incoming first year students? Does this mean that they don't need guidance from those who came before them? From my experience the first continued on page 4

SEXISM: Two Views

To the Editor:

After reading the January 27, 1984 letter to the editor concerning sexism among the undergraduates at Caltech, I felt compelled to let some of my own sentiments about Caltech life be known. I am currently on leave of absence from Caltech because I feel that the undergraduate experience at Caltech is neither mentally nor physically healthy.

As I see it, Caltech as a whole has some very serious problems when it comes to meeting the many needs of its select group of high ability undergraduates. The Caltech tradition of very few guidelines seems to make any meaningful guidance non-existent. The student houses seem to lack any meaningful rites of initiation. Some professors seem very disturbed at any time away from research spent on teaching the next generation of scientists and engineers.

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ON-CAMPUS INTERVIEWS
Friday, February 17

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B. C.: On Lake Avenue
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From page 3 year student at Caltech is very impressionable and often misdirected by the narrowness and shortsightedness of the undergraduate social environment.

The Caltech undergraduate housing system seems to cause far more unnecessary social stress than a person—female or male—should have to put up with in such an academically challenging place that Caltech is. The notion that the first year students are limited in their scope of the world and must be forced into acts of initiation can be very damaging in developing the individual into a well integrated part of society. Pity the female at Caltech—she is often treated as a second rate citizen and told how to act if she wants to be an accepted member of the house. I have seen few examples of women treated as equals on the Caltech campus. False insecurity on the part of the male population only serves to compound the situation. In closing, I must say that I am very shocked by the level of insecurity among the Caltech undergraduate population. I have never seen so much insecurity among the Caltech undergraduate population. I have never seen so much insecurity since my junior high school days in unspoiled eastern Montana. Perhaps it is with unusual honesty and pride that I find it hard to believe that the individual is treated properly as an undergraduate at Caltech.

Sincerely yours, 
Kelly D. Cherry
P.S. That's Kelly with a Mr.

To the Editor:
As both a proponent for equality (sexual or otherwise) in the Caltech community and beyond, and a member of Ricketts House, I read last week’s letter ["Thinking About Women"] with great interest. Let me first say that I do not speak for Ricketts House, only as a concerned member of the Caltech community.

The Ricketts House Raunch Library (pornography collection) is indeed paid for by house dues. Personally, I wish it would go away, that my dues did not go towards it, and that I have nothing to do with it ever. However, it is not my right, nor anybody else’s to legitimize my morals on others, as long as nobody is hurt. The more general question of whether pornography should be legal at all is not the issue here. If enough of the House wants it, then fine. I’m sure there are many services of the house dues that I use and others don’t need to make up for this. Also, to be fair, the person in charge of the Raunch Library has been trying to provide material for both sexes, but the Treasurer doesn’t want to spend any more money.

The Apple is really what caused me to write and is indeed a major MAJOR event, undoubtedly the most important and socially costful event all year, and has been for many years. Yes, there is some peer pressure to attend. As an unpopular male freshman, I received some, so I can only imagine what some of the women might experience. However, nothing happens to someone for not attending. I, for one, intended to go home this year, until I discovered that two Math tests would keep me on campus anyway.

Yes, Apple is crawlingly sexist. But it is not an effort to demean women for the pleasure of men, but expresses woman’s needs and thus makes the Caltech campus more feminine.

False insecurity on the part of the male population only serves to compound the situation. The male prospective student who measures how far up the garter the went are two male fresh who “most need to be educated,” who would be most embarrassed. But no woman has to enter, and many don’t. To quietly avoid entering, a woman may choose not to wear a garter, or leave before a relatively small part of Apple, anyway. And a garter measurer is conveniently not present when the contest starts, a replacement is found. Nothing at all happens to women who don’t enter the contest, or men who don’t want to measure. On the whole, the pressure is not much more than that to be a fourth bridge.

The contest is a relatively new addition to Apple, and adds nothing to the World War II atmosphere, only the sexuality. Since it is easily avoided by those who are offended by it, it would be difficult for it to stay.

The invitations ask men and women to dress in accordance with the theme of the dance, World War II France. Both sexes are asked to dress into stereotypes, and I’ve seen tasteful women’s outfits at Apple that fit the bill just fine, while showing less flesh than an ordinary skirt and blouse. It is for one night only, and everyone knows everyone else is playing a role for the fun of it. Dressing up is one of the more harmless fun things about Apple. It does not at all need to be changed.

The ladder is “held” by one male freshman, and he does have a flashlight, which does allow him to take certain liberties.

In closing, I must say that I have nothing to do with it, nor anybody else’s to measure. Personally, I wish it would go away, that my dues did not go towards it, and that I have nothing to do with it ever.

On a personal note, I have seen few women treated as an accepted member of the Caltech community. I have seen few women treated as equals on the Caltech campus. False insecurity on the part of the male population only serves to compound the situation.

Sincerely yours, 
Kelly D. Cherry

HI$ FIRST YEAR OUT OF COLLEGE, FRANK QUACKENBUSH BURNEO THREE BUILDINGS, WORKED ON A DAM, PAVED A ROAD, AND BUILT TWO CHOPPER PADS.

"Most of the engineers I graduated with probably would like to see an assistant engineer to somebody else. Maybe doing the details for somebody else's design or supervising a small part of construction.

"But my first year as an Engineering Lt., I've designed many of my own projects and supervised the construction on everything from baseball diamonds to concrete work on a dam. Earthmoving, grading, filling, paving, concrete work, masonry— you name it, I've supervised it.

"Whether I stay in the Army or go into civilian construction work, one thing I've learned is some engineers won't have when they're 30!"

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ON CAMPUS INTERVIEWS

February 9

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**Fencers Meet at Tech**

By Perry Ripsost

Last Saturday at home the Caltech fencing team had a dual meet with Cal State Fullerton (CSF) and U.C. Santa Barbara (USCB). This meet was the first time in its season that the fencing team held the meet at Caltech.

The women's foil team faced a tough match with CSF and lost 12-4. The only scorer was Barbara Turpin, who moves like a dancing frog when she fences. She skillfully used her timing and was able to break her opponents' rhythm of attacks.

Phyllis Li and Kathy Sheedy came very close to winning a few bouts. They did good disengages and ripostes and were able to score touches. Daniela Bonafede and Karla Peterson also performed well by doing good parries and simple attacks.

Against UCSC they won 9-7. Turpin, using the same tactic as she had with CSF again won all four bouts. Sheedy and Peterson won two each. Bonafede won one with spirit.

The men's foil team lost 8-1 to CSF and 7-2 to UCSC. Scott Grossman was the only scorer for both matches. He had good form and good wrist attacks. Kurt Anderson executed nice lunges and used point control. Crab, Keller, who is a new foilist, did nice parries and feints. He was composed and was using proper fencing techniques.

The men's epee team lost 8-1 to CSF and also 8-1 to UCSC. James Bell won the point in both matches. At the beginning of both matches, Bell fenced aggressively and controlled the beating of his blade.

Charles Todd and Bill Purcell, who are new epeeists did well by almost beating a few of their opponents and losing to them by one touch. Both were keeping a good distance.

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**THE ONLY THING BETTER THAN BEING AT THE TOP OF YOUR CLASS... IS TO BE IN A CLASS BY YOURSELF.**

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**Weekly Sports Calendar**

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Questions

From page 2

1. What national needs does the Caltech Administration want the Center for? Where will Caltech students play in the Center? Will there be Center-students who aren’t Caltech students?

2. What role will Caltech students play in the Center?

3. Will Caltech employees be coming into the campus? If so, will they be allowed to bring classified documents from the Center into the Campus? If so, what security precautions will be needed on campus? Would foreign students suffer discrimination?

4. What is the policy of the Administration as to which kinds of research could be permitted at the Center?

5. Does the Administration have the necessary security clearance to effectively review all the projects that may come up at the Center?

6. If the Administration were to change, or the Center were to become independent, could it control over the character of the research be maintained?

7. What will be done in the future to allow students to learn about the projects going on at the Arroyo Center, and to voice their opinions as to which options should be taken?

8. Why does the Army want the Center as part of JPL, and not somewhere else?

9. What commitments are there presently, and which are staked by Caltech concerning the Center?

10. Is Caltech losing its ability to choose because of military money, which the Arroyo Center will contribute?

11. If Caltech wanted to increase the size of the Center monotonically, how could it do this?

12. Does Caltech escape moral responsibility for the Center by seeing it till it becomes a "first-class think tank," and then disowning it?

- Michael Lowry

Tech Fencers

From page 6

The men’s saber team lost 1-4 to CSF, CSF automatical­ly lost three points in the match because one of their saber­ fencers could not participate. Then-Wei Han won one bout by default and taking the in­ itiative. Lee Sudlerin made two parries and cuts. Scott Lewicki, a new saber fencer, did surprisingly well by losing two bouts by only one touch each. He took the initiative and did nice parries and cuts. Against UCSB, they beat their opponents 5-4. Han won three, Sudlerin won one, and Lewicki also won one.

The Saturday, February 11, fencing will again be held at Caltech. This time the fenc­ing team will be hosting Cal­ State Northridge and U.C. San Diego. The meet starts at 1:00 pm and will be the last of the fencing season. All are welcome to attend and support the team.

Questions

From page 2

Individuals most responsible for getting the Institute into this predicament, Caltech President Dr. Marvin Goldberger and JPL Director Dr. Lew Allen (Gen. U.S. Air Force ret.) should accept full responsibility for committing the Institute to a program not in the best interests of Caltech, and then submit their resignations to the Board of Trustees. The Institute should then immediately terminate the Arroyo Center and re-examine its decision to allow classified research at JPL. This would bring an immediate end to the predication and controversy, and show all interested that only under the most extraordinary circumstances will Caltech renege on a verbal commitment. The cost to the Institute would be high (the loss of two top administrators), but small compared to the loss of reputation that I believe would befall the Institute if we simply pursued the proposed Army Analysis Program.

If the newspaper reports are to be believed, it is the intent of the administration to make a written commitment to the Army and then proceed with the program for several years even in the face of broadly based opposition in the Caltech community. In my judgment this would be a serious error for several reasons. First, it involves Caltech in research that is not suitable for an academic environment. Second, it compromises Caltech’s reputation for independence and open communication. Third, it makes Caltech a potential target for community and student protests and demonstrations. Fourth, it is of no apparent benefit to the current members of the Caltech community. Fifth, like any bureaucratic program, it may be much more difficult to stop once it has gotten started and develops a constituency in the Institute. Sixth, it will divide the Caltech community internally until the program is finally terminated. The controversy will last as long as the program. And seventh, the work done in the program cannot possibly enhance the academic reputation of Caltech, but could, because of content or quality, tarnish that reputation.

In my opinion, no written commitment should be made to this program until the entire Caltech community can give it full consideration. It affects all of us in one way or another.

I believe that the only way to solve the dilemma facing Caltech is to terminate the program immediately and have those responsible take the blame and consequences for their poor judgment.

—Andrew Dowsett Alumnus (B.S. 1974) Research Associate, Department of Chemistry, Resident Associate, Dabney House.
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