Gov’t to Fund ASCIT Research?

by Nancy Grum

Is ARP finally going to receive the funds it needs? Mr. S. Smith Griswold, Associate Director of the National Air Pollution Center at Caltech, visited the campus on April 23 to discuss just this question.

Mr. Griswold expressed optimist concern for the Project. "I know they think a new bill can be written, but no, it just isn't available," he said, "if we can figure out a start for it (ARP)." He expressed the funding possibilities of some research groups and gave a very brief summary of the work that has been done on each topic. He then offered to send out two men from HEW for consultation: an economist and an expert on grants. These men would arrive on April 29. When the Project gets going this summer, Mr. Griswold will send out experts in each field at ARP requests, to let the researchers know what is going on in these fields.

The cost study.

Mr. Griswold said that most of the groups were good as long as they concentrated on the air pollution aspects of their topics, but that some required a lot of background reading, and many required a pilot study. From the reading and pilot study, the groups could then focus on a feasible longer term research topic.

In the opinion of HEW, the cost-benefit analysis has the best chance of all the groups to get funded. Mr. Griswold said, "We have been looking for a long time, but have people . . . for cost-benefit studies which is the only way we can justify at this point controls." This study embodies the interdisciplinary approach which is one of the Project’s main aims.

As Mr. Griswold expressed it, "If done properly, it will require the expertise of all disciplines at Caltech . . . (and) close work and cooperation." The cost-benefit analysis can begin immediately since the idea is relatively unexplored, while the other studies require a lot more background reading, and many required a pilot study. From the reading and pilot study, the volume of work that has been done already on them.

Vorace grants.

If funding is given to the Project, it will be given on a yearly basis, and the grant will be renewed each year if HEW thinks that the progress of the research justifies continued support. For this reason Mr. Griswold feels that it is not unreasonable to fund research groups during the summer while they complete their background reading.

Coffeehouse Killed: Lack of Business

by Roger Goodman

The recent appearance of articles on the Caltech Coffeehouse, the Coffeehouse officers, Jim Henry, Ed Schroeder and Kent Assman, gave a report to the BOD first term, including that the Coffeehouse was losing about $5 a night. The problem persisted. That, first term, the three officers were too busy getting finances in order to spend much time on programs, publicity, or further furnishings.

In the January 18, Tech, Schroeder wrote an article telling of new programs. The mugs soon would be up on shelves, and weekly fellowships were being held Fridays, as well as periodic notices. The letter was optimistic so as not to discourage the funds it needs? Mr. S. Smith Griswold expressed optimist concern for the Project. “I know they think a new bill can be written, but no, it just isn’t available,” he said, “if we can figure out a start for it (ARP).” He expressed the funding possibilities of some research groups and gave a very brief summary of the work that has been done on each topic. He then offered to send out two men from HEW for consultation: an economist and an expert on grants. These men would arrive on April 29. When the Project gets going this summer, Mr. Griswold will send out experts in each field at ARP requests, to let the researchers know what is going on in these fields.

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Letters

Readers Critical of Rhodes' Myth

In addition to the following two letters, the TECH office was swamped by a similar letter on the same subject from Mr. Mike Kellman, deleted here solely due to limitations in space.

Editors

Jackson

Needless to say, Joe Rhodes’ discussion of Caltech’s inadequacies in last week’s Tech revived the idea of a number of unsupported assumptions which, I feel should be examined; I’d like to see, if in fact, CFT does fail to provide students with the opportunity to get a good education.

Since a student who goes to college in his late teens and early twenties may still use approaches learned in his mid teens a few years later, it is important that he be as flexible as possible. The most important things a school could provide, therefore, are the ability to reason analytically and to solve difficult problems, and a sufficiently large and broad body of basic information in his field so that he has enough knowledge to guide his own investigations. "Sustaining a student’s desire to learn" is also of importance. Also, I feel that the student can do a fine job (though it is not admitted in stimu­ lating reasoning ability and com­ municating the large body of in­ formation) and I feel that students who genuinely desire to learn, who are genuinely comman­ ced to science, do not leave Caltech "largely emptied.”

Rhodes criticizes the fact that the stu­ dent fails to reason to learn at Tech, but nothing in his article is supported. If anything, this is precisely the intention of such peculiarly Caltech institu­ tions as Feynman Physics and Honors Biology. The curriculum ought to be strengthened whenever possible to help the student to reason more pre­ cisely; however, the massive changes made in the philosophy of education which may advance (in the academic scene) are unjustified.

"The point of a good education is maintaining enthusiasm. Here Rhodes’ claim is that freshmen who come to a Tech "excited, enthusiastic and super­ levished" are expected to de­ emphasize and explain away the enthusiasm which is worth examining. The point of this comes to Tech faces many problems and pressures which he would not

Taverning for Ceylan

by J. Weber and B. Flake

Last Friday night thirty-six amplifiers, piled on the keel, a black Auditorium stage, gave sufficient warning that the volume would be at pain-level. This barrage of specialness engels belongs to “The United States of America” the “electronic rock hand.” Their title may have a familiar ring, but their music combines more recognizable­

Harkness Pans Spencer’s Pan of Tucker’s Pan of the Draft

Editors

Kellman, deleted here solely due to space limitations.

This was all, however, by way of introduction. The main point of last week’s performance was to make you think, and perhaps do something. But these individuals have no more effect on the trade back to the value you received, in the form of money or conscript capacity, than the trade just as you did.

There is another problem to consider, of course. It is possible for forceful action to destroy value, so a government to pre­ vent the initiation of force is itself a value of great impor­ tance. But a government is not society or the community; it is an institution within society which is valuable only because, and only if, it prevents the initi­ ation of force. Since it is value­ able, people would pay for its services, just as they pay for insurance. That is, a government could justly withdraw its services from those who refused to pay for them, but it could not justly take away other values they had (such as trade and fore­ iting, by initiating force, governments are the most powerful of all groups, which is an important point). Thus, in­ verting its purpose, by initiating force.

The point is that governments with unlimited power to tax is a totalitarian one, and involves re­ strictions on freedom under such and as a result in case of aggression from out­ side, if the government is at peace to sign an armistice. (Continued on page 3)

California Tech

Published weekly during the schol­ ar year except during holidays and exams period of the Academic year by the Associated Students of the California Institute of Technology: The students-constituted news­ paper is solely those of the newspaper staff.

Editors: Jim Cooper, Dave Lewin, Alan Stein, Cameron Schlehuber, Charles Witt, Tom Carlson, Mike Far­ stein, Editors-in-Chief; Mike Kellman, deleted here solely due to space limitations.

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For the love of community to give the student who comes here is "committing intellectual suicide." Like most generalizations, this one is in­ secure. I talked with five seniors in Binkerd House, and none of them was willing to admit to being "largely emptied." The question of students’ loss enthusiasm, though it does exist, does not exist to such an extent that a student who comes here is "committing intellectual suicide." It has wide­ ly affected, and that is what I am trying to express. But these individuals have no more effect on the trade back to the value you received, in the form of money or conscript capacity, than the trade just as you did.

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THURSDAY, MAY 2, 1968

Notice

Due to the number of lengthy letters we have been receiving, the editors will have to make time-consuming cuts in the future and reserve the right to clip any letter over 200 words in length.

Towering for Ceylan

by J. Weber and B. Flake

Last Friday night thirty-six amplifiers, piled on the keel, a black Auditorium stage, gave sufficient warning that the volume would be at pain-level. This barrage of specialness engels belongs to “The United States of America” the “electronic rock hand.” Their title may have a familiar ring, but their music combines more recognizable­ combinations of sound, blend­ ing rock, electrified jazz, and the the ”harmony, blue, jazz, and acid-rock.

The band consists of Joseph Byrds, guitar, lead vocals, electronic music, vocals (man of many voices), and Fred Wil­ lox, vocals, Craig Woodoom, drums, and two new members: a bass and acoustic guitar.

The USA tuned up, turned up the amplifiers, and then there was sound. Unlike many San Francisco groups such as Blue Cheer, who use volume just for volume’s sake, USA uses its pow­ er effectively and well.

The first song was “You Can’t Ever Come Down,” acid-rock, with an orchestra of synthesizers produced by a rock band. Their music is built to a climax, than dropped off into gentle folk, a balled, and then the amplifiers fell for miles, but slowly, slowly.

Joe talked to little, and there were ready for one of the best songs of the night, “Garden of Earthly Delights.” It has wildry surrealistic lyrics and an exotic sound. The voice is alive and evil and very loud with a metallic sound achieved by using the synthesizers on the other side hand with variable carrier (Continued on page 3)
Jackson Cont.  (Continued from page 2) exciting projects. If a student isn’t willing to work at this sort of thing, it’s best he find out now so he can find something for another vocation. There is double room for improvement in this field, but it is a positive service of a Caltech education to reveal to students that they are not going to be a vest pocket Einstein (or the anti-smog saviour of the world) without a lot of hard work.

In conclusion (unless, of course, another flagonry is off-thursday), one should

Richstone Speaks On  (Continued from page 2) there is a strong urge to give up during the year’s setbacks. It is this sort of student who loses enthusiasm significantly. The real danger lies in the student’s enthusiasm without really understanding the facts. This student’s enthusiasm he wants to go into. He would probably lose his enthusiasm if he went to State University, as soon as he found out that there is no formidable work involved in science.

For the sort of student that Ed Schroeder speaks of, it is emotionaliy wrong that he is in any field of science, Caltech offers unique advantages; for, if this student makes a flake of missing the basics, gain the reasoning ability, and retain the enthusiasm necessary to be a scientific research student or professor.

Even the student who finds he is not committed to science can major in a non-science option. If he works hard, he may still be enthusiastic about his major. In any event, the administration is currently planning to expand the non-technical courses. Therefore, to be true to say that Schroeder’s criticism on that part of the issue has already been observed and the problem is already taken care of.

Rhodes’ last point is that the administration is not interested in being a part of the development of the student. In general, then, that problem area is a lesser one. Ed Schroeder’s criticism is not significant and can be dealt with by small changes in the present format.

Douglas O. Richstone ’71

Eyeu Cont.  (Continued from page 2 insertion) Joe talked about politics and the draft, and the necessity of feeling the pressure of the Caltech Y — clapped a little and settled back. As he spoke, a soft organ melody began. “Love Story” by Dead Che, followed by more than Dorothy’s voice or great lyrics. It speakers in hooting tones, leaving ears aching, knowing of a past or present love.

Next was “Hey, Mom, I Love You.” It was good, but the timing was off in places. The guitarist, however, had some rhythm, and was wonderfully sensual, driving — kept it moving.

The performance culminated in a final, fantastic epic, “The Electric Trick,” a really rough part, but overall, was excellent. It was a disaster. Including Hare Krishna to a ragus bent, then went into a funny hard rock song, making America and its electric gods. Craig did a jazz drum solo and the group suddenly broke into a gospel song, which climaxed in a fantastic electric blues, there was nothing like it. Their encore, “Perry Pier,” paired Dorothy’s voice with the tones of a harp hand, with the essence of beauty and simplicity.

“Ex-y-y-y-y-y-y-y-y.” The show was a success. It was unique and inventive. They look perfect timing and tight coordination, with that in mind.

A word on lighting: Veveey In- ternational — Tooled Metal, Charlie, Herrin, and icy, skillfully improvised JPL. Fullers mea disow, best, to be expected. Unfortunately, we didn’t get to see all of Flash Gordon . . .

“Absorbing human experience!”

Shirley Clarke’s portrait of jason now at Cinemathique in Hollywood

Page Three

SCHROEDER DISCUSSSES COFFEEHOUSE

Editors:
Two weeks ago, by order of the Coffeehouse Managers, the Caltech Coffeehouse was closed. Suddenly the Coffeehouse was again the center of some interest on the campus. The ASCIT Board, who had been informed of the financial situation of the Coffeehouse as early as first term, acted in a way which has become a trademark of President Joe Rhodes: after the time for reasonable action had passed for this year, a Committee was formed to study the possibilities of reopening the Coffeehouse this year. This Committee is chaired by ASCIT Activities Chairman Mike Garet, who is under Rhodes’ thumb, and who apparently knows nothing about the true situation of the Coffeehouse and, judging by his assistance rendered in the past, cares less.

Mr. Rhodes, in a typically high-handed act, called a meeting of this committee without bothering to tell Garet about it, last week. At this, and a subsequent meeting, the Committee which was formed of several Teckers and several non-Teckers, some with legitimate concern about the Coffeehouse and some with nothing but a lot of criticism, virtually ignored new ideas, although we needed them more than a month ago. The managers have a plan, which we are discussing with the Administration now, which would enable the Coffeehouse to break even next year without any loss in features or any subsidy, but the majority of the Committee, especially Mr. Garet, and Mr. Rhodes and Mr. Garet are not interested in being confused with the facts. The Coffeehouse is your Coffeehouse, do not let its hopes for the future be jettisoned by the unrealistic schemes of those among you who are ignorant of the situation and incapable of exerting true responsibility.

I will not have the act of supporting these ideas, or not speaking out against them on my conscience — will you?

Ed Schroeder

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Ed Schroeder
Beavers Lose Close Ones

The Beavers’ track team, even though it had few of its best efforts of the season, could only manage to win one track meet last week. They downed Pasadena College, 76-68, but lost a close meet to Chapman, 74-76, in a double dual meet on Apr. 26. On Saturday, they were downed by Occidental, 67-70, a meet whose outcome was not decided until the last event.

Against Chapman, the deciding factor was a pulled Beaver muscle in the 200-yard relay which forced the team to pull out of the race. In the double dual meet, Martin was beaten by Antaki, who won with a fine throw over 180’. Led by Daub, the Beavers beat the shot put against Pasadena. McDonald won the discus with his best of 135’.

Tarjan had an outstanding day as he won the 440 in 5:34.6 and the 220 in 22.6, both his top times of the year. Stanley was second in both events. Butterworth won a fine 190 in 10.2 and was third in the 200.

The mile relay team of Antaki, Butterworth, Tarjan, and Stanley were second in the best time of the year.

In the Booth Cup, the Beavers put forth their best effort of the season. Tarjan and Stanley were outstanding for the Beavers.

Diamond Men Split

Last Saturday the CIT baseball squad split a doubleheader with the visiting Pomona Sagehens in a five-inning first game 13-7, and the Boilermakers in a ten-inning second game 65-65 in ten innings. The split brought Caltech’s conference record to 4-3.

Jay Chapkar pitched the entire nine innings, allowing ten hits and seven walks. Pomona collected thirty-three runs on only eight hits and seven walks but failed to score in the bottom of the seventh. But Pomona fought back in the bottom of the eighth to score three runs on two hits and cut the Beavers’ lead to 9-7. Tech failed to score on the bottom of the ninth to give Pomona a chance in the tenth.

Only one extra inning was required as Pomona got three Sagehens in a row after an opening triple to right by Bill Joost. Lonnie Martin was the hero for the Beavers, as he boomed a towering home run over the center fielder’s head and scored on a wild pitch. The Sagehens’ eight-run sixth inning was just icing on the cake.

In the second game Pomona’s Washington, led by Frank Stabini, had a tremendous pitching battle going for five innings. Then Caltech’s Lyman pitched a four-run sixth inning rally to take a 5-1 lead.

Beaver Olympic

Dave Schramm, Caltech graduate student, qualified himself to compete in the finals of the Olympic Wrestling qualifying tournament at Omaha, Nebraska. Between the Olympic trials he had a tremendous opportunity to train for the Olympics, which will be held in Mexico City. Dave has an excellent chance for he has beaten most of the wrestlers he will meet in Omaha. Schramm, wrestling at the 231.5 weight class, has given much of his time and talents helping the Caltech wrestling squad this past season.

Beavers Take 3 in SCIAC

The Caltech swimming team ended its season last Friday with a third place finish in the SCIAC all-conference swimming meet. The Beavers were paced to this finish by senior Henry DeWitt and junior Greg Wright. Henry, who is All-American, had an outstanding day in his final meet as a Caltech swimmer. He won 3 events and set 3 meet records and 2 conference records. He set two records in winning the 50 yd. freestyle in 21.4, beating the nearest competitor by 4.4 seconds. He also won the 100 yd. freestyle in a record time of 48.8. Finally, in the 200 yd. individual medley, he set two new records by winning it in 2:06.2.

Gregg won the 200 yd. backstroke in the time of 1:50.50, beating his nearest competitor by 2 seconds. He also took a third in the 200 IM and helped the team of Stefanko, all, and Rude to a 6-5 decision in the 400 yd. medley relay.

Other Beavers also turned in fine performances. Mike Stefanko finished third in the 200 yd. breaststroke after leading most of the meet. Gregg finished second faster than he had done previously and bettered the existing meet record. Maarten Kalivaart took sixth in the 200 yd. freestyle. He swam on the 400 yd. relay team of Watkins, Rude and Tyson, which finished third. In consolation events which also count in the scoring, the Beavers were led by Malory Tyson. He finished second in the 300 IM after qualifying fifth for the meet. He tied for first in the 200 yd. backstroke. Larry Hulin gained a second in the 200 yd. breastroke and a fifth in the 1000 yd. freestyle. He also took a third in the 100 yd. butterfly. In other freestyle events, Rude took a fourth in the 50 and Reynolds was fifth in the 100. Miller took a fourth in the 200 yd. butterfly.

In the diving events, Steve Johnson led the Teckers with a third in the 1-meter event and a sixth in the 3-meter competition. Jim DeFause gained two eights while Richards took a tenth in the 3-meter and 11th in the 1-meter.

In overall competition Harvey Stadl was first and Rebilis was second. Occidental was fourth and Pomona was fifth.