ARP Conquers Smog?

By Mike Garret

In June, the Associated Students of Caltech received a grant of $39,250 from the National Air Pollution Control Administration for an in-depth study of the pollution problems of the campus.

Seventy students arrived in Pasadena from fifteen schools around the country to participate in this summer project in research. During the twelve weeks of the project, basic encounter techniques and seventy-man "community meetings" were utilized to build ten research teams.

Self-Directed Research

The project was an experiment in "self-directed research." Each team selected its own chairman, and decided its own problems and spirit of those first few days freshmen spend on our campus. We will try to accommodate the positive, make the freshmen welcome and integrate them into our community without attempting to destroy any of their own individuality. Consequently, "rotation" will be used. Each year, entering student will visit the seven student houses and talk about his own research. Pat, Hershey, Executive Director of the Caltech Y, has been acquainted with the Caltech Y for the last year from Immaculate Heart College in Hollywood. She became interested in the student houses and talked about her experiences with the freshmen. She became involved in the research project, as well.

Three groups were tentatively scheduled for student ideas and programs, which could conceivably embarrass in any way the most sensitive freshman. No activity means no activity, which could conceivably embarrass in any way the most sensitive freshman. No activity means no activity, which could conceivably embarrass in any way the most sensitive freshman. No activity means no activity, which could conceivably embarrass in any way the most sensitive freshman.

Pat Davis, welcome to Caltech.

YMCA Goes Coed

Pat Davis has been hired by the Caltech Y to serve in a staff position as "female consultant" for the next year. Pat, 23, received her Bachelors degree in English last year from Immaculate Heart College in Hollywood, where the "swinging nuns" teach. She became acquainted with the Caltech Y and a lot of Caltech students while working on the ASCIT Research Project on air pollution this summer.

President David Schor also has announced several new program- ming ideas for this year. These will be presented and discussed with interested students at a planning conference to be held in Sierra Madre on October 5 and 6. Here is a "peek preview."

This year the Y is expending its Basic Encounter program. Mike Boughton, a Caltech graduate (55) and currently Associate Director of the Mission Analysis Lab at THW Systems, has agreed to be a consultant in this area for the Y.

YMCA Means

Mike helped staff meet most of the labs held last year by the Y and has worked closely with Disney House mothers and "culture change" program. This summer he has been at Tech at least once each week in connection with the Research Project.

One program will be developed through the three student Y commissions: Public Affairs, co-chaired by Greg Evans (Ru) and Larry Shirley (Ru), will bring political and social issues of interest to campus to talk on the Drive Walk, give informal seminars, and participate in hall sessions with students.

Vidalh Moss's

The commission on Drugs, Art, and Religion (D.A.R.) will try to bring a major artist to campus for several days to live in one of the student houses for a weekend for his work and his works. The chairperson of this group is Guy Smith (Ru).

The Personal Growth and Development commission, headed by David Schor, is responsible for the Basic Encounter conferences. In addition, this group will plan workshops and demonstrations designed to increase one's psychological and physical insight and growth.

Cinema-Tech, a Y auxiliary, will continue to offer several series of widely acclaimed foreign and domestic films at budget prices.

In line with its tradition of serving as a cluster of resources for student ideas and programs, the Y may serve as a funding agency this year by budgeting groups of students who have generated exciting and meaningful program ideas, who have the enthusiasm and manpower to carry out their ideas, but who need money and other resources to carry them out. This suggested program will be discussed at the Y planning conference after the first week of the school.

Charitable

"The group thing" in California is big and getting bigger. Basic Encounter groups answer the need of students and others to communicate their feelings freely and openly to other people who are struggling to be in and understand them. The Y will help make available to the Y and all members of the Caltech community to get involved in one or more of these experiences.

Traditional sensitivity group methods will be continued, but new and more advanced experiences will be available to participants with previous experiences. At least five labs, each involving about 25 freshmen and 25 girls from area schools, will be held this year. The first two conferences are tentatively scheduled for October 25-27 and November 28-December 1.

Association

Both Mike Boughton and Wes Westerman, the Director of the Caltech Y, will be available to coordinate the adding of any student house or other organization that wants to develop its own Basic Encounter program. Last

Initiation Rules

To the Student Body:

As you know, the Master's Office, the Faculty Committee on Undergraduate Student Traditions and Itiner­house Committee have determined to alter the attitude and spirit of those first few days freshmen spend on our campus. The committee hopes to re­ accerate the positive, make the freshmen welcome and integrate them into our community without attempting to destroy any of their own individuality. Consequently, "rotation" will be used. Each year entering student will visit the seven student houses and talk about his own research. He would be pleased to enter. The houses will, in turn, evaluate him and his ideas, but need money and other resources to carry them out. This suggested program will be discussed at the Y planning conference after the first week of the school.

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Tower Weos Youth

The Republican Party kicked off its big drive for voters in this state with Senator John Tower (R-Texas). The Republicans are making a serious effort to capture the young vote. Through a new "Campaign Action Program," they are trying to inform the young generation of the abilities, assets, and hopes of their party and their candidates running for office this year. Guest speakers of national stature are being invited into this state for the purpose of speaking to college audiences.

Senator Tower's opinions are to be frank expressions of his own beliefs, and, where indicated, formal pronouncements of National Republican Policy.

Tower fielded the stock, slickish, questions of college newspapers on the lowering of the voting age, campus disorders, and the treatment of young people in politics. "The matter of the voting age is something that should be left to the individ­ual states," said Tower. He also added that if he was on the ballot in his state, he would vote against it. When asked if he had any particular reason for this, he replied, somewhat jok­ingly, "It's because I am no longer under 21."

In the opinion of Senator Tow­er, campus disorders are not a federal problem. They are a prob­lem concerning only the school administrations.

With regard to the appoint­ment of Abe Fortas, the Senator contends that a "more philosophi­cal... (Continued on page 3)
THE GREAT ELECTRIC CAR RACE

The long awaited “Great Electric Car Race” between CIT and MIT took place this summer in late August. Both cars took over 200 hours to complete the race, and both needed numerous repairs during the trip. The Caltech “VOLTSWAGON” made the entire 3300 mile journey without being towed once, while the MIT car had to be towed TO several charging points. THE MIT CAR ALSO HAD TO BE TOWED 130 MILES ACROSS T 100 MILES. Looking for new Novis, MIT agreed to time for towing and replacement that CIT was judged the winner of the race by the judges, MOTOR DESIGN MAGAZINE. What follows is a short log of the trip. The California Tech car continued to the race in Springfield, Mo. Has covered 1,972 mi. Pat Silverthorne stricken with illness in the lead. The TECH is the first charge point, Ion., THE,

The Winner!
Faster than a speeding electron, more powerful than a penlight, the “Volkswagen” rolls into MIT under it’s own power. Time was over 200 hours.

Oklahoma, having passed through Oklahoma City. Everything going well, except took 4 hours for long battery charge.
2 p.m.—Charging in Vinita, Oklahoma, about to cross line into Missouri. No problems. Have covered 1,909 mi.

The Last!
“We’re to town your car will finish the line . . .” MIT finished first but lost on penalties.

Sat., Sept. 1
Reported charging in East St. Louis, Ill., with 1,302 mi. to go to Cambridge, Mass. which should take some 7 hours. Has now covered 1,972 mi.

Smoggy ARP
(Continued from page 1)
free chamber houses three hun-

dred miles. The mile will be fed varying amounts of several heavy metals, whole body burdens, heavy molars. After Seligman, car’s armature disintegrated, new motor needed.

The Psychology of Effects of group studied the learning performance of rats in ozone and on-earone environments. They have concluded that a rat will make a significant number of errors in an ozone environment substantially lower than the “alert” level in Los Angeles.

Rats Perform
The Psychological Effects of group studied the learning performance of rats in ozone and one-to-one environments. They have concluded that a rat will make a significant number of errors in an ozone environment substantially lower than the “alert” level in Los Angeles.

Twm., Aug. 27

Sat., Aug. 31
9 a.m.—Reported in Stroot, (Continued on Col. 3)

The Editor
The first signature of an editorial indicates the author of that editorial. The following signature, if any, indicates the approval of the other editor. If both editors sign the editorial, that opinion represents the opinion of the California Tech. A dissenting editor may write an editorial opposing the views presented in the main editorial.

In general, column writers have complete freedom as to the content of their columns. No column shall be eliminated without the consent of the editor, because of the opinions are not necessarily those of the California Tech.

(Continued on page 3)

(Continued on page 4)

THE ART CLASS
Is coming. Do you like to draw?

The Psychological Effects of group studied the learning performance of rats in ozone and on-earone environments. They have concluded that a rat will make a significant number of errors in an ozone environment substantially lower than the “alert” level in Los Angeles.

The Role of the Public team has outlined a survey to determine lethal levels and the psychological effects of ozone-free environments. They have concluded that a rat will make a significant number of errors in an ozone environment substantially lower than the “alert” level in Los Angeles.

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Editorial

Initiation Means Beginning

Once again, the freshman are arriving at Caltech, and once again, the editors would like to welcome them to Caltech. Regrettably, we cannot be sure that Caltech will welcome the freshman. In the past the freshman have been showered, insulted, embarrased, and hazed, all in the name of INITIATION. The upperclassmen have shown themselves to be boorish, insulting, snobbish, possibly sadistic, and certainly immature in the name of INITIATION. Past initiations have proven the adage, "Misery loves company," as each entering class has accepted the slings and arrows of the others, secure in the joy of knowing that they will be able to inflict similar wounds on next year’s freshman. After all, what are a few insults, when in one year, one can cause others to suffer as one has suffered?

The editors see no reason why Initiation cannot be pleasant. Affairs has existed far too long at Caltech. Initiation is not defined as embarrassment but as beginning. Do the students of Caltech want this to be the beginning of friendships or the beginning of hatreds? Certainly Initiation unifies the freshman ranks of those jolly sadists known as the sophomore class.

Why not show the freshmen the pleasant aspects of house life? They deserve to be treated as citizens, as some upperclassmen believe. And as human beings, they should do his share of work in the houses, but just because freshman do work is no reason to assume they are slaves, to be mistreated or thrown to the upperclass lions.

For all their intelligence, Teckers seem to have yet to learn maturity, as they should have long ago. The new Initiation rules (see page one) not only make the old Initiation style immature but downright foolish. Let this be the year when the age of enlightenment reaches Caltech, and let this be the year when freshman begin by discovering how enjoyable Life house can be.

The Editors

New Bookstore Head Discounts Dim

by Robert Dallien

Some Teckers may already have noticed that the old manager of the bookstore is gone. Instead, the store has an energetic, new manager in person of Mr. Kenneth Elwell, a graduate of Arizona State, class of ’65. I had the pleasant task of interviewing him. Even though he was quite busy preparing for the approaching invasion of the bookstore he found half an hour for giving me some information about his general plans for the future of the store.

First of all, Elwell is working on making the operation of the bookstore smoother. This involves making minor changes here and there that are barely noticeable by outsiders but make a great deal easier for the staff.

Large-scale reforms, according to Elwell, will most likely not come this year. He is working right now on putting more and better paperbacks on the shelves.

Also, he is considering the diversification of the magazine selection (Playboy?).

About the question of student discounts on texts, Elwell had little encouraging to say. He explained to me that while the publishers do grant discounts, parking in rear

Read the rest of this article on page 2.

The Editors

More Winner

(Continued from page 2)

Y. doing fine, recharging.

Wed., Sept. 4

Arrived at MIT at 7:46 a.m. (EDIT) under own power.

IHC Strikes

(Continued from page 1)

20

One day Dairy House moved ahead with its own programs with the assistance of Mike, Wes, and Burton Houseman, former Associate Secretary for the Caltech Y. (Burt left to start the Urban Studies Program at the Pennsylvania nursery.) Two or three other houses will probably undertake similar programs this year.

Students, including freshmen, who are interested in helping to plan programs in these or other areas, or who wish to attend the planning sessions, are encourage to see the above-mentioned individuals or to talk to someone of the Y affairs committee on the second floor of Wilmot Student Center.

The Caltech Y is an educational and service organization, not strictly a religious one. It is nonsectarian, of course. Its services and membership are open to all members of the Caltech community.

Caltech students presenting a student body card will receive a 50c reduction in the cost of a normal style haircut at:

CARL’S CALTECH BARBERS
906 E. California (Near Lake)
793-7554
personalized barbers serving Caltech since 1927

(West Hollywood)
995-8360
912 E. California, (Near Lake)
Open 10-6 Monday - Saturday

WELCOME CAL-TECH 10% discount, parking in rear.

KLECKER HARDWARE
914-4512
1106 E. California, (Near Lake)


PATS LIQUORS
AND DELICATESSEN
1012 E. Colorado, IV-D-6761
Open to midnight daily, 1 a.m. Fri. & Sat.

Key Beer Party Supplies

At your newsstand NOW

The Young California Tech

The War Against Young

Richard Preuss

A Special Section

It’s a real war, says Richard Preuss, can war at the front, and it threatens the destruction in all our best natural resources, the naivete and hopeful-ness of youth.

"Why are we against the big- guns?" and other voices from the battlefield.

P.S. and Nicholas von Hoffman in their statement of the class of ’43.

Make your financial partner SECURITY PACIFIC NATIONAL BANK

Another scene from Security Pacific Bank’s “Other World” series. We hope you’ll explore the world of banking with Security Pacific Bank—the total service bank.

California Tech

Klein’s

Klein’s

Klein’s

Klein’s

Klein’s

...
More Missiles

(Continued from page 1)

cal balance" is needed on the Court, that a general election, which is, in essence, a sampling of national public opinion, would be helpful in making the choice of a new Chief Justice or any Associate Justice for that matter. Tower was also dubious about the actual existence of a vacancy at this time on the Court.

Regarding the Nixon-Agnew platform, solutions to the problems of the ghettos, Tower echoed the comments made by Nixon on a recent CBS televised press conference. Among the points of this program are:

1. Affect an application of Private Enterprise to the problems of the ghetto.

Senator Tower is a rare animal in political circles. A Texas Republican, a conservative, he has the gift of being able to speak well on most topics, at length, yet saying as little as he wishes or nothing at all, whatever is to his advantage. This is an Art. If the other Republican speakers that are coming in the near future are nearly as good, they may be one of the more entertaining events in L.A.
Love Foils Hate

By James Blond

The Free Press Gathering of the Trinids was held last Sunday at Edgewood Park, although the park commission denied the permit.

The Park Commission's futile attempt to prevent the gathering in the grounds of that it was political in nature was so absurd that no attempt was made by the Los Angeles Police Department to disrupt it for lack of a permit. The appearance of over a dozen rock bands could hardly be construed as political by even the most conservative of counts.

The police department, however, did arrest several people with the presence of between 50 and 100 riot helmets and police officers who repeatedly tried to provoke the crowd into any act that in the least way could be considered violent. Individuals who had alcoholic beverages were questioned and required to prove they were over 21; if they appeared to be slightly intoxicated, were arrested for drunkenness. John Christopher, who arranged the concert, was arrested for obstructing a police officer in the line of duty because he handed a girl a card from the American Civil Liberties Union lawyer for the group. At various times the police moved throughout the crowd in mass and, according to an American Civil Liberties Union lawyer, had orders to "chuck away" anyone who got in the way.

Despite the repeated attempts of the police department, the crowd remained peaceful and, with the exception of a few jeers, quiet. The bands who played throughout the day were with few exceptions, quite good and most of the crowd was completely involved with the music. The police department was there to "preserve law and order" but was not needed as everyone observed the park rules, and were happy to be able to use the park. It is not obvious to this author why almost 100 policemen were needed to preserve a law and order which existed before they arrived and why it is necessary to harass and provoke a crowd to maintain peacefulness. The police department was supposedly involved with the gathering, although there were probably more happy and friendly people than in any other part of town. If this action was needed by the Los Angeles Police Department, it would be wise to ask, "Who is raiding our streets at night?"

Concerts Return

On October 13, at 8:30 p.m. in Dabney Hall, the University of California, Los Angeles, and Pasadena, the California Institute of Technology Visitation of the Humanities and Social Sciences opens its nineteenth consecutive season of the Dabney Lounge Chamber Music concerts. These Sunday evening concerts are free and the public is cordially invited.

The music of Pablo Casals, Piazzolla and Zader will be performed by I Cellist in the opening concert of the series on October 13. Jerome Klassler will conduct the eight cellos and accompanying pianist.

Subsequent concerts will be performed by the Lyric Chamber Ensemble, the Mallory Chamber Solos, Los Harpen Harmoniques, the International Flute Quartet, the DiFuttio Trio, the Valley String Quartet, and Pacific Woodwind Quintet.

New Host For Fan Club

The appointment of Marshall S. Otone as manager of the Athe­namus House Committee was announced by the Athens Committee. Prior to his coming to Caltech on Sept. 7, Otone was manager of the La Scarpa Social Club. He comes to Caltech with a background in social management. His appointment culminates a search conducted by the administration with the Athens Committee House Committee. He has, and his wife live in Sylmar and have two daughters who are now in college.

Beckman to Present Deaf Actors

The National Theater of the Deaf, sponsored by the Caltech Faculty Committee on Programs, will make an all-Americans touring company of the Western California appearances in Pasadena early next month. The company introduces a new and eloquent concept of total theater embracing mime, high drama, low comedy, sight and sounds from exquisite instruments expressly wrought for them and, a beauty and a clarity of movement, that is both inspiring and affecting. A formidable repertoire includes works by Chekov, Namboku, Richard Sheridan, Federico Garcia Lecrae and Blake.

The performance at Caltech will take place on Friday, November 5, at 8:00 p.m. in Beckman Auditorium.

Freshman Receive Scholarships

Seven freshmen entering the California Institute of Technology this fall have been named to receive Freshman Scholarships for 1968.

Sloum Foundation scholarships ranging from $500 to $2,000 awards up to $2,000 per year—went to 153 students at 45 institutions across the nation.

Students chosen for the scholarships are selected for academic excellence, participation in the activities of the National Student Congress, moral integrity, and potential for leadership. The scholarships are renewable for the full four-year period of undergraduate study.

The Caltech freshmen named as recipients were Isadore I. Wilson, Parker Dom, Calif.; Daniel F. Folsom, Colo.; Samuel E. Wheatley, Winter Park, Fla.; Norman J. Yeach, Jr., Palo Alto, Calif.; David J. Smith, Middleville, N. Y.; Frank E. Schenone, Jr., and Steven S. Watkins, Kettering, Ohio.

The Alfred V. Sloum Foundation, established in 1938, is intent on the individuals and their families—research, and education, and has assets of more than $206 million.
Letters

Editor:

Having followed your rag with bated breath ever since the gold
en days of Karp and Simmons, I eagerly await another year of journalistic
and typographical excellence, typographical and even Marvel Comics. There
enlightening articles in a supplement the Chicago Literary Review, appointed by
the position of campus editor for the National Horse Sheet (whatever happened
to the National Horse Sheet and the Calgary Herald Sheet?)

Not only did you scooch NBC on the National Electrical Pott-Face this past year, but enlightening articles seem to point to the fact that the Cali-
flowerpets Tech students are be-
ginning to realize that they can
relate to the World and Beauty and Such even before graduation.

Good luck in another year of political, typographical, staunchnurrrors, and
general incompetence.

Yours in Bokonon,
William F. O've

Tech Carries LIT Review

During the coming school year, the campus Tech Review will carry a supplement the Chicago Literary
Review, published by stu-
dents at the University of Chi-
ega. The Literary Review is published six times during the academic year and once during the
summer. It is carried by several college papers as a supplement.

The Literary Review carries reviews of books, movies, records, and even Marvel Comics. There
are “campus editors” on the campus Tech Review carrying the Literary Review, appointed by
the staff of the college paper. These campus editors handle re-
views, submitting them to the editors in Chicago, who provide
interest and comments. The Tech is looking for someone to assume the position of campus editor for
this year—anyone interested please contact Jeff Hecht at the Tech office or in Blitzer. Watch
for the first issue of the Literary Review in the Tech in late Octo-
ber.

The Old vs. New

“Trader” Jim Sullivan, an an-
tique car collector, arrived at the Caltech campus 2:00 p.m. Sunday, in his 1912 Pierce-Arrow
his way to Cape Cod, Massachu-
setts. Sullivan, already 100 miles from Oceanside, Califlorinia, where he started that Sun-
day morning, challenged Caltech to a transcontinental car race in which he would pit his gasoline
powered Pierce-Arrow against Caltech’s “new-fangled” electric car. Sullivan’s challenge was not
accepted by Caltech; a previous bid by Tony Ray and the Gas and Electric Company, which had
developed a liquid gas ma-

Nevertheless, Sullivan will con-tinue across the country in an attempt to better the six and
one-half days Caltech took in its
recent victory over the Massa-
cussetts Institute of Technology in the electric car race. His
planned stops include Caltech, Las Vegas, Salt Lake City, and the MIT campus in Cambridge, Mass.

A ccompa
ing Sullivan are Shane Mason, a retired Marine Corps major, and Peter Eiden, a staff writer for the
San Diego Union.

Upon arrival at Cape Cod, Sul-
lin intended to pour a bottle of Pacific water into the Atlantic.

DuBridge for Rapid Transit

Four noted California leaders in higher education today gave
preliminary approval to Proposal A for Rapid Transit on the Novem-
ber 5 ballot as a way “to make educational and cultural activi-
ties on their campuses available to all.”

The four are Chancellor Charles E. Young of UCLA, Dr.
Norman Topping of USC, Dr. Lee A. DuBridge of Caltech, and Fa-
thor Charles S. Cassanof of Loyola, all presidents of their respective institutions.

Proposal A will provide $25 billion through a $1/4 sales
tax hike in the County to build an 80-mile, high-speed rail sys-
tem, with 300 miles of feeder and connecting bus lines.

“Today many underprivileged young people find attendance at one of our universities a difficult
choice because of lack of personal transportation or the inadequacy of public service,” the educators said.

“We are certain that with the passage for Proposal A and con-
struction of the rapid transit sys-
tem, this roadblock to higher education for our young men and women will be removed.”

Smoggy ARP

(Continued from page 2)

Development of the project as an experiment in student research. It should be available near the
middle of November for $1.00 a copy. Literary copies will be
given to all the student houses.

New Headquarters

The new headquarters for the ASCT Research Project is 67

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UNDERGRADS GRADS FACULTY STAFF

CATASPRO TROPHE STRIKES

Pasadena, Calif. 91109 (ODI)—At pre-
cise 2:30 a.m., Wednesday, September
25, 1968, the California Tech ran out
of news releases. Therefore . . .

Mercurial Communique

By James Blasi

The Quicksilver Messenger Service concert last Friday night at
The Bank was an excellent example of good San Francisco
acid rock. Quicksilver played two sets of about one hour each with tons of Chumpling and Love
Exchange playing the remainder of the concert.

John Cotopilla played an ex-
cellent, but somewhat less en-
duastic lead than normal for
Quicksilver. Most of the inspira-
tion and true quality in the

group was supplied by Gary Dun-
can. His guitar solos in "Smoke-
'N-Thack Lightning and other num-
bers produced an almost ecstatic reaction from the audience and
seemed to pull the rest of the group into the performance. Greg Elmore provided an excellent
strum solo and David Greiberg's
bass supplied a solid background
throughout the concert.

Overall, Quicksilver Messenger Service is a group which is bet-
ter if heard live. The album, in
comparison, lacks the far out in-
spiration that comes with their live performances, and seems to
place tighter reigns on their cre-
ative activity. So, if you liked their al-
bum, you'll love them in person.

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First Rehearsal

Monday, September 30 8 pm. Colburnton Hall