This is Serious, Dammit!

In 1960 the beginning of school was met by returning students, freshmen, first-year grad students, faculty, staff, and a new Associate Secretary for the Caltech Y. In his two years here, Housman has used his many talents in running and developing the program of the Caltech Y. Those who have been associated with him know the depth of his involvement with this campus, and regret his leaving.

But he is leaving to do a job more important than that he did here in trying to arouse this campus to the problems of the outside world. He is leaving to try to combat one of the problems which he worked so hard to bring to our attention—the problem of inadequate education of ghetto children. Elsewhere in this issue you will find an ad searching for "mature, youthful men and women of any age with vision . . . to be teachers in the new school that urban Pasadena so desperately needs." This ad is only part of the story. In order to make his dream a reality, he needs more teachers. In this society, there are costs to be met and sacrifices to be made. This can be done only with money. We would like to see the students of Caltech show their concern for ghetto problems, and their support for Housman's dream by ensuring through monetary contributions that this dream is given the chance to grow into something more than another stunted fantasy, unable to affect the problems it was set up to combat.

—David Levin
Alan Stein
Jim Cooper

Frosh Awarded

The Tau Beta Pi Outstanding Freshman Award, given annually to the "most well-rounded frosh," goes this year to Joe Templeton in the form of certificate and Handbook of Chemistry and Physics. Joe is active in Glee Club and athletics, and has time to be one of Fleming's athletic managers, all while doing honors work with Dr. Arens and maintaining excellent academic standing. Last fall, too, he was NUAC All-Conference Soccer Goalie. Tau Beta Pi is the national engineering honor society; the Caltech chapter, Caltech Beta, selects its members from most science options on the basis of exemplary character and outstanding academic achievement.

No Foolishness

Editors:

Thursday May 16 you ran a front page article entitled "Foolishness to Continue at Tech." Such an attitude is offensive enough when it is exercised by individuals, but it is disgusting when it becomes a front page article in our supposedly respectable newspaper.

We are Frosh, one of us majoring in Physics. Nevertheless, we are going into science, and resent your calling us foolish.

Negativism

People at Tech insist on insult­ ing themselves. We call studying "snaking" and "trolling," pretending that it is something de­serving of the greatest disdain.

We propose to form a school primarily for ghetto youth.

where teachers will tempt students to partake in that life-long learning process which is real for the teachers themselves

where pride in blackness is affirmed as distinct from separation

where preparation for urban life replaces racism and small-town nostalgia as administrative policy

where curiosity is kindled and prized

where children not only learn to read but learn to love to read

where the language and beauty of mathematics are probed with delight

where adolescents find the school working for the clarification of experience and the establishment of self-esteem

where every child learns that he, too, can have the vision of an artist

where concepts such as culture, ecology, credit, social organization, and scientific method are explored with the city and our physical environment as the laboratory.

We intend to be an institutional example of precisely those goals and opportunities denied Pasadena children, black or white, for whom their ghetto and its neighborhood school is a prison.

A single institution supported by concerned citizens cannot perform the city's task but it can indicate the directions in which we must move. We may call this the Compass School: Its task is not to make the journey but to point the way. Teachers will form the needle of such a compass.

When the right teachers are found Pasadena pupils will stand in line to be part of the center for inquiry that exciting teachers will let this school become.

Interested? If your priorities resemble those above, if you are able to relate to black youth, if you do not frequently hide behind the term "qualified," if you can willingly work under envisioned black leadership, if you believe the teacher's imagination and warmth is the most important trigger our tech­nological species has built, and if you are willing to face the questions an urban school system ought to have the courage to face, don't wait. Drop a line to:

Burton Housman
360 South Allen Avenue
Pasadena, California 91106

This advertisement is paid for by the McCarthy for President Committee.

紧随主教,紧随主教

California Tech
Associated Students of the California Institute of Technology

Volume LXIX
Pasadena, California, Wednesday, May 29, 1968
Number 30

WANTED

Mature youthful men and women of any age with vision and verve, regardless of present profession, to be the teachers in the new school urban Pasadena so desperately needs.

WE PROPOSE to form a school primarily for ghetto youth.

Allan J. Acosta
Fred C. Anson
John F. Benton
Norman H. Brooks
Walter E. Chay
Fred E. C. Culick
Norman R. Davidson
Max Delbruck
Armin J. Deutsch
Jesse W. M. DuMont
Horace U. Gilbert
David F. Gossle
George S. Hammond
Andrew P. Ingersoll
W. Barclay Kamb
Daniel J. Kevels
Burton H. Klein
Wolfgang G. Knauss
James K. Knowles
Donald E. Knuth

Aron Kuppermann
Robert V. Langmuir
Lester Lees
Edward B. Lewis
Frederick C. Lindvall
Edwin Mansfield
George P. Mayhew
Robert D. Middlebrook
Alan T. Metcalf
Guido Munch
Edwin S. Munger
Jerome Pine
John D. Roberts
Robert P. Sharp
Robert L. Sinzheimer
Vito A. Vannoni
Robert L. Walker
William B. Wood
John S. Zeigle
Harold Zirin

—Eugene McCarthy presents an intelli­gent response to the critical problems facing the United States today. We believe that canvassing is a good way to let the people of California know this.

CANDY gag!
Fleming House held its weekly alley challenge at Millikan Pond recently. The challenge was a relay race involving paddling an inflated rubber raft across the pool.

Each team consisted of five members who paddled their rafts from the flagpole, past the Trus­tees Room, and through the nar­row straits to the end of the pond where they had to turn around. They then paddled back to the pole where a new member took over. Rules stipulated that the walls and the bottom could not be touched without a five second penalty.

Who's Gayne’s Paddlers of Alley 6 downed Miller’s Fearsome Frosh of Alley 1. The race started with Waterland of 6 taking the lead. The diminutive paddler opened up a big lead on Abarbanel. Heis­ler, paddling against Turner, kept the Alley 6 lead. There was much urging from the bridge and the ends as the crowd cheered on Alley 1 hoping that they would end the Alley 6 trophy domination.

All Wet?

Miller, anchoring the Alley 1 team, finished the race as he tried for the best individual time. However, Alley 1 was again downed as Waterland had the best time by 15 seconds.

\[
\begin{align*}
\text{Ampex 1100 tape deck} & \quad \text{\$190.00} \\
\text{Hammar-Kardon 600 transistor FM receiver} & \quad \text{\$165.00} \\
\text{3-way speaker system} & \quad \text{\$50.00 each tempo} \\
\text{Gibson SL-55} & \quad \text{\$45.00} \\
\text{395-4288} & \\
\end{align*}
\]

Foolishness

(Continued from page 3)

be said that we condemn all criticism of Tech. The offensive element is the refusal to express appreciation and approval, and the insistence on being dully negative.

Sincerely,
Ian Kling
Tim Tardiff
Stephen Smith

\[
\begin{align*}
\text{EXCITING CANADIAN FOLK ARTISTS} \\
\text{Sincerely,} \\
\text{Ian Kling} \\
\text{Tim Tardiff} \\
\text{Stephen Smith} \\
\text{appreciation and approval, and} \\
\text{the insistence on being dully} \\
\text{negative.} \\
\end{align*}
\]

SALES Consultants

(AGENCY)

Largest, most complete Sales and Marketing Placement organization

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1901 Avenue of the Stars, Century City; or CALL (213) 277-7711

One of our trained consultants will be waiting to talk with you regarding the best possible utilization of your talents.

SALES Consultants

(AGENCY)

1901 Avenue of the Stars, Suite 1070, Century City
(213) 277-7711
STUDENTS, if you need HELP in fulfilling your language requirement, inquire about tutoring services at BERLITZ, THE LANGUAGE CENTER 170 South Lake Ave. Pasadena 5-5888
So what's a Beach Nut? A Beach Nut is a nut, found on beaches. And a nut, as you know, is a person with peculiar beliefs and odd habits. So if we're asking you to be a Beach Nut, we must have good reasons.

We do. We have to admit that it's pretty nutty to believe (among other things) that democracy is something more than a word; that people should control their governments rather than be controlled by them; and that the highest office in the land should be open to the most qualified and capable man, regardless of the extent of his personal fortune or party popularity.

You'd have to be pretty nutty to believe that. Nutty like Solon and Pericles, Rousseau and Voltaire, Thomas Jefferson and George Washington.

Nutty like Eugene McCarthy. As for odd habits, we have to admit that it's pretty nutty to walk up to people and ask them to vote for a man because he is the best candidate. And if that were not enough, now we're asking you to do it on beaches.

We must be kidding. But we're not. If you're nutty enough to know that we're not so nutty, and if you want to do what you can to influence the outcome of California's critical June 4 primary, then we want you to help by participating in Operation Beach Nut during this final campaign weekend.

We want you to join the thousands of other students from across the country who have helped take Eugene McCarthy's campaign to the voters. We want you to join the thousands like them who will again take his case to the people, in a California style canvassing operation.

This weekend, Beach Nuts will be where the people are—at the beaches. Operation Beach Nut will dispatch people to every California beach beginning on May 30. If you want to help with this massive walking and talking pamphlet operation, call one of our area offices and ask for further details. In Berkeley our number is (415) 548-2790. In Los Angeles, call (213) 478-0488. In San Diego, (714) 239-3034. Or contact your local campus group.

With you and us and a few thousand other nuts, maybe we can make this country sane again.

Students for McCarthy
Prof's Houselist

(Continued from page 1)

"There are always singularities hiding in holes; that's what holes are for."

"And now we erect a system of cylindrical coordinates."

T. Lauritzen — "There is a slight complication here which is solv-
ed by ignoring it."

R. Leighton — "We have a flat, planar universe here. It's a circle
by symmetry."

On experimentation: "It's got-
ta come out."

Discussing Newton's Law:
"Newton was right."

Discussing Relativity: "New-
ton was wrong."

H. Liepmann — "I realize that you can't possibly get it from this
class, but I assure you that next time you come up against
it, you won't understand it then either."

H. Martel — "You've got a 50-50 chance — which means you'll be
wrong the first time you hook it up."

If you fit into one of the following categories,
B & G has a place for you:

- Gardeners suffering from hay fever and/or senility
- Hard-rock garbage can lid players
- Plumbers experienced in breaking pipes
- Electricians experienced in draining water from conduits
- Creative people for our billing department
- Destructive people for our repair crews
- Experienced supervisors, inexperienced supervisors, any kind of supervisor

Opportunity for advancement is unlimited —
all workmen are promoted to supervisor within 1 year

B & G has pleasant working conditions:

- 4 hours of coffee breaks per working day
- Absurdly high wages
- All work must be supervised
- Supervisors have 6 hours of coffee breaks per working day
- Complete control of campus parking
- Opportunities to take out destructive tendencies
- Opportunities to bill students for your own damages

(Continued from page 2)

B & W film too hot for Kodak to process! If you do, the California Tech can process
it for you for an appropriate fee.

CALIFORNIA TECH EXPANDS SERVICES

Catherine Deneuve and Michele Morgan in
BENJAMIN in Color
(the diary of an innocent young boy)

Co-Hit:
Catherine Deneuve in Jacques Demy's
THE UMBRELLAS OF CHERBOURG

STUDENT RATES

* * * * *

EXPANDS SERVICES

Opportunity for

all workmen are promoted to supervisor within 1 year

B & G has pleasant working conditions:

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CALIFORNIA TECH

Wednesday, May 29, 1968

Page Seven

B & G needs YOU

If you fit into one of the following categories,
B & G has a place for you:

- Gardeners suffering from hay fever and/or senility
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- Plumbers experienced in breaking pipes
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- Opportunities to bill students for your own damages

(Continued from page 8)

R. Middlebrook — "Translators
make good fuses."

G. Neugebauer — "When it turns
on, it turns on."

C. Peck — "Nature abhors a
physicist."

R. Sherwood — "You can't go
too far and keep it clean."

R. Walker — "Sometimes it's im-
portant to get these signs right.
In this problem it doesn't matter
— I think."

"If you measure where it is,
you'll find that it's nonsensical."

J. Wayland — "... AM 95."

(While working with an equa-
tion involving the square root
of negative one) "If an I offend
thee, pluck it out and cast it
from thee."

... and do our thing on a
Riemann surface."

J. Waser — "Haw, and Octo in
a mixture are highly unstable,
and even though you can keep
them for ever and ever, that
doesn't change the situation."

"Let me give the answer, and
then we'll see what the question
was."

"You get, for example, screw
axes."

"I want to talk to you about
thermodynamics for about five,
... weeks."

"I do everything in the head."

"We assume that the solution
is solvable, but we don't really
assume that."

(And on and on and on and on.
ad infimum.)

Reds Speaks

(Continued from page 8) should be thankful.

Underworld Unite

The basic problem is to deter-
mine why anyone would be so foolish as to come to Caltech as an
undergraduate. The an-
swer is simple, they were conned.
Conned by the nefarious "Facts
About Caltech," and the seductive
of the Admissions office. Conned
by promises of an idyllic social
and intellectual atmosphere,
with admiring geewilts every-
where gawking at all the hand-
some young scientists, and look-
 ing forward to serious intellect-
ual discussions about particle
physics in a dimly lighted bed-
room.

New York Times

The time has come for the
Caltech undergraduate to rise
and stamp out this heinous
	tyranny. Protests must start
immediately in front of Throop.
The first step will be burning
all student body cards. If this
does not succeed, Throop will
be stormed, all secretaries under
the age of 25 will be liberated,
and all other Institute bureau-
crats will be fed to the comput-
ers at Booth.
ARRFF Fur

by Cinopatia

"The ARSFF Research, Reform, and Fornication Foundation has finally found a way to get the funds it needs," stated Mike Garrote, ARRE Executive Director in a surprise announce ment. "All the time our solution was staring us in the face," he continued. Somebody said he went on to explain how the female student research associates had come up with a solution. "We found that the Caltech student body is much more generous than we had previously assumed. All we had to do was send the SRA's door-to-door soliciting in the Student Houses. Why, in one House alone we took in over $5000 in one night! What's more, it seems that the students are so generous that we can send solicitors around every night in the same House and still collect large amounts. It couldn't be done."

"In the last weeks we have collected over $100,000," Garrote stated enthusiastically. "That's almost enough for us to operate the ARREFF for an entire day." In an interview with this Rivet reporter, an SRA commented upon the dedication to humanity which most Tuckers had displayed for her. "It's simply wonderful. I never realized until the boys came out of their shells how human they really were. With their firm support, I am sure that the ARREFF can be a success."

The Fellion was right. ARSFF President Joseph Rods was equally enthusiastic about the success of the fund drive. "It has given us enough funds to enable the ARREFF to finance a trip I am going to take touring the Universities of Europe, Asia, and South America. I am sure that if I am successful in persuading foreign SRA's to come to Caltech, our fund drive will rapidly increase in magnitude."

The son of a gun

When asked exactly what the ARFF will be doing in the near future, Reds replied: "Well, I guess we'll just continue with our discussions and meetings as we've been doing for the last six months. I am confident that by 1975 we'll have figured out a way to get enough money to actually start doing some research. By then, we'll also have enough student SRA's - approximately 50,000,000 - to start receiving in earnest."

Burma Shave

When this reporter pointed out to Reds that by 1975 there could not possibly be 50,000,000 students in the entire world, Reds stated, "Yes, but we're not looking to produce all the ARREFF to solve the grave crisis facing us, then the problem of under-arm perspiration odor will just have to go unsolv ed and T'll to them."

(Continued from column 2) that 65% of the other universes have been explored. So far no signs of intelligent life have been detected in any of the universes, without exception!

Jehovah Creates Newest Universe

by A. Stein

Professor Murray P. Greenstein-Jehovah today announced the successful synthesis of Universe 10. This increases the number of artificial transstellar universes to 39. The work was done in the new Troll Laboratory of Metaphysics and Science on the over 30 thin­

(Jehovah Creates Newest Universe page)

life of Universe 10 is approximately 80 billion years ("Like hell!" said Prof. G). That will last at least 150 billion or I'm no scientolo­

a name has not yet been chosen for the new universe, since a team of MIT metaphys­

ists have disputed Prof. G's claim of synthesis. Prof. G has suggested the name Proouncil, while the MIT team prefers the name of Barrelium.

For those who have forgotten their elementary metaphysics (for shame, for

"There's one born every minute!"

while long quietly accepted the dicta­

roles of the administration with­

out questioning why they have the right to issue their orders.

Workers of the

We, the students, know what the administration's "Science for Mas­kinds" program is—a snick­

ing pile of overhead Student House food. It's the greatest, grandest sucker bait they could think of. The Institute should change the official motto to "There's one born every minute!"

The students know what the Institute wants to produce, robots who are quite capable of performing infinitely detailed infinitely irrelevant research on the one hundred and thirty­

seventh energy level of the

Trilium atom, and quite incapable of performing normal human functions as reproducing a human life—a for which we

(Continued on page 7)"

Reds Speaks

by Joseph Reds

Caltech is not a scene of great student unrest and disorder. It should be. Every college camp­

us in the United States should be rising up in arms to over­

throw the tyranny of college admin­

istrations. Caltech, if any­

thing, is more in need of this rev­

olution than most other camp­

uses because we have so long quietly accepted the dicta­

tes of the administration with­

out questioning why they have the right to issue their orders.

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Trilium atom, and quite incapable of performing normal human functions as reproducing a human life—a for which we

(Continued on page 7)"

The Hot Throbbing Rivet

Published once a year (fortunately) by the Associated Friends of Winnetk Centre, Unclen. The opinions contained herein are to be ignored, if printed on orange paper.

EDITORS: Edward B. amongst, Mahama (Shani) Loo, Deborah Bean, Bresch (B.A., CHS), Editors-in-Chief; The Barefoot (Overripe) Undershirt, Esq., President; The Scarlet Letter, Vice President; Depravity, Secretary; Whiteness, Treasurer; Gotham Buckley, Learn to do reviews by mail, ask Boole.

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ANOYANCLES, PETTY: Nicked Smut, Gail Whitype, Manning won't be for long.

FREE ADVISE: Josef Stein, Edward hippos, Ineptous Songs

BAD DETS: Niki Dikkefarmer, Kirk Droop, International Central for Academic Research

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(Continued from column 3)