Population Boom Discussed by Dr. Sweezy

"The Problem of Overpopula-
tion," a theme discussed by Dr. Alan Sweezy at a recent lec-
ture, swept authoritatively about the population. Dr. Sweezy pro-
posed three conditions under which the birth rate could not be 
limited. First, the general population would have to be stabilized by the 
beginning of the eighteenth century. Second, the beliefs of the 
people involved must not conflict with the idea of the benefits of 
birth-preventive device. Third, the general public must be 
aware of the existence of the preventative device in question. 
A thorough discussion of the 
significance to the interrelation 
ancestors had a much higher 
variety talent found among 
students and $1.50 for 
11:00.

In the first place, he quickly 
In the past few weeks the IHC 
has made some critical decisions 
relating to the Student Houses. 
According to our information, 
Haviland, there have also been 
joint meetings with the Faculty 
Committees on Undergraduate 
Student Houses. The main con-
cerns are the placement of freshmen 
in Houses and the financial prob-
lems relating to the Houses. Con-
sideration of these issues has 
overpopped and prevented over 
that the IHC and the Fac-
ulty Committee.

Proposed economy measures 
include a water-tariff rate of 
20 cents per cubic foot, 
21, and more cafeteria-style 
meals. In order to avoid 
board increase, cafeteria meals 
will be served at lunch first term next year, as well as at all weekend meals except Saturday evening. 
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Chapter 5.
Leftist Author Luce Will Address Campus Friday

Mr. Phillip Abbott Luce will speak this Friday at 12:30 in front of Winnet. The Yits and TMCA are co-sponsors. Mr. Luce talked the other day under the title “the New Left.” Luce is one of the most knowable and gawp-makers who speaks about the New Left in the United States today. As a former member of the Progressive Labor Party (he edited its magazine Progressive Labor), he was a leader of the 1963 U.S. “student” trip to Cuba. Mr. Luce is eminent for his knowledge of the New Left—what it is and why it is—is an enigma.

He has spoken at major universities throughout the country, including the University of Wisconsin, New York University, University of California, University of Missouri, and Washington University. He has also appeared before doves of civic and educational organizations.

Gorilla

Although not yet 30, he has already published two highly important books: The New Left and Road to Revolution: Communist

Republican Chatter Selective Service Unjust; Voluntary System Needed

by Brook Holian

The timing of the foreign policy since World II has been one of undeclared, limited power. The United States is a limited Communist aggressor. In our own incidents, the United States is engaging in military action without a declaration of war. The supposed aggressor is this has relieved the responsibility of military victory from warheads of power. More specifically, from the President's own hands, not from the individual responsible for foreign policy decisions. This new political and military policy is designed to give the President's hands a great deal of control over the lives and careers of America's youth, without guaranteeing them in return that the war they are being forced to fight will ever have any conclusions or real importance to America's direct interests. This new limited war approach to the view that America's role is defender of freedom throughout the world requires a re-examination of the draft. It should be realized that the men for this new undertaking.

Glua in

The present draft system is grossly unjust; It discriminates against the underprivileged. But worst of all, this so-called “peace-time” draft is totally foreign to the American tradition of voluntary participation. We all realize the importance of a war-time draft, should our country ever be attacked. The real question is, is declared, compulsory military conscription is unnecessary, un- convenient, and detrimental to our country's proper purposes.

First so

Just the sole solution to this problem is the immediate establishment of a voluntary army, in order to support a voluntary army, military, pay, fringe benefits, and educational opportunities would have to be raised so that a military career would be economically competitive with civilian and governmental jobs. By judicious budgeting and planning, for which the Defense Department is so well known, the draft increase should not substantially raise taxes. Consequently, the poor would not longer be discriminated against, for they would be more justly compensated economically. Moreover, this redistribution of income and job opportunities to low draft would benefit the whole country.

Join up in the long run, a voluntary army of this type would be more efficient; training would not have to be duplicated since the turnover rate would be substantially lower. We hope that economic incentives are satisfactory. A more experienced army would suffer fewer casualties, and this is certainly the most important efficiency consideration. Lote of draft

During a time of declared war, there should not be any kind of lottery draft system, for the government must have the right to allocate all resources, including manpower, for the best advantage of protecting the country. Nevertheless, a wartime draft system should be equitable, with all manner of area quotas and other discriminatory practices eliminated.

We of the Caltech Young Republicans believe that a continuing discussion of the draft issue is most essential to the well-being of this country and therefore hope that the above proposals will be used as focal points of consultation.

—Les Fishbone

On going Vacation?

Will Principles Win?

As critical issues come to the fore in today's hectic society, a number of people are faced with the question of the nation's businesses and, in certain cases, of the nation's educational institutions. We see men who have risen through the ranks of the largest corporations and have obtained a position carrying much responsibility. What is the reason for this? For one thing, the question is, what is disturbing is the suggestion by some faculty to state their views publicly.

Don't rock the boat

Have we reached a stage in society at which men who have demonstrated the ability to climb are allowed to take corner-

versus stands because the “system” will be jettisoned by their so doing? Is there not something wrong with society if it does not allow accomplishing individuals to exercise the judgment which, to be sure, is in large part responsible for their gaining the influence they wield?

Specific instance that comes to mind concerns the student body. What is disturbing is the suggestion by some faculty members to the donors to the institutions with opinions that are controversial. Don't rock the boat. No one likes to be jolted by the unexpected, is in large part responsible for their gaining the Presidency. Why?

Speak Softly

Two answers are plausible. In discussing them, we shall return to the general case. First, the leader of an institution who publishes a controversial opinion might be construed as speaking for the institution. But, we counter, were such a misinterpretation to occur, the member of the institution would quickly react and enlighten the misinformed. Thus this argument should not prevent the leader of a concern from speaking out. The second reason is that, in order to maintain their finan- cial stability, institutions and their leaders, must not offend any of the donors to the institutions with opinions that are controversial. The fact that he refused the ASCIT request is not too disturbing, for we expect college presidents to have independence of mind; to some people, the President's compliance on that occa- sion is the proof that he knew nothing about the student body. What is disturbing is the suggestion by some faculty members to the donors to the institutions with opinions that are controversial. In this case, it would be jettisoned by the unexpected. No one likes to be jolted by the unexpected.

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—Les Fishbone
Dean Runs Math 5 Section Like Humanities Seminar

by Mark Jackson

It has been increasingly recognized by the Caltech student body that the traditional lecture-recitation method of teaching is not necessarily the most effective. Lectures and assigned reading seem primarily implemented recitation sections, while allowing some instructor-student interaction, virtually rule out student-student dialogue.

In an attempt to correct these disadvantages, the Math 5 section of Dr. Richard Dean (author of Elements of Abstract Algebra, the text for the course) has been experimenting with a "modified" organization. The class has been meeting on an informal, first-time basis since October 2nd, essentially 130 about mathematics in the usual sense. No assignments.

There have been no reading assignments, instead the class has sought its own speed. Although the rough outline of the course has followed the text, this has not extended below the chapter level and many other areas have been discussed. Although Dr. Dean will correct and comment upon homework submitted, none is assigned and none is graded. Term grades have been determined somewhat subjectively; although both a midterm and a final were given, more emphasis has been placed on demonstrating an insight into the topic.

During the first two terms tape recordings of all sessions were kept; this has since been discontinued. Dr. John Weir, psychology, sat in on most of the sections before Easter to study the class in action and still shows up occasionally. Dropout rate clearly has not been satisfactory for everyone. A substantial number of the original participants have changed section or dropped Math 5 entirely. Nevertheless, for those (Continued on page 4)

Audience

Science Appears on Stage in UCLA’s "The Physicists"

by Giles Durdelecker

During the week of May 4-13, the UCLA Department of Theater Arts presented Friedrich Durremann's recent play, The Physicists. Durremann, a playwright known for his heavy use of the tongue, has given the physical science fiction movie for anyone to believe the superficial ponderings in the play. Rather, it is from the buffoonery that the greatest meaning may be derived.

At any rate, one line from The Physicists seems to have come from all the rest in its degree of profundity: "Seeing his son for the last time and learning that he wishes to follow his father's footsteps... becoming a physicist, Moebius takes a long pull from his pipe, shrugging, "No! I should never have tried to become a physicist!"

It seems Dean's wisdom in the mouths of babes.

Would You Believe . . . .

by Mike Henery

... that Sunday afternoon, at Fifth Avenue and Seventy-Sixth Street in New York, a man was "furred, feathered and beaten by a mob of hippies"? Dr. Paul, twenty-year-old countenance Prudis's face was marring hair and wearing sandals. He had even been watching, when he was attacked with shouts of "Get him! Kill him! He's a beatnik. He burned our flag." The party organized on a Teenagers sponsored truck which just happened to have feathers and hot tar handy.

The implicit critique on the Hippies was to become a topic too obvious to drag around. In stark contrast to the peace march of a month ago, there were about a dozen incidents in which marchers attacked bystanders or antitrust pikes. Somehow, although police were hit with tar and feathers (in the attack on Brudy), no one was even ar rested.

It is not a new phenomenon for hippies to be persecuted in this vein, and it is at most of indirect concern to the readers of the California Tech.

The content of this column is the fla gram twisting of facts by the Los Angeles Times. The facts reported here are from the Pasadena Independent-Star News, as originally put out by the New York Times News Service. In Pasadena, it was a front page story, Sunday morning, with about six or seven column inches devoted to the Brady Incident. If you would like to see for yourself the Times version of what I consider a major news event, it does not start on the front page. Write to Scientific Translations, Box 162, Monrovia, California, 91020.

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Graduate students in all fields are required for editing technical translations and translating in all major languages. Part time talking-hone work only. Write to Scientific Translations, Box 162, Monrovia, California, 91020.

One Week Only, Wed., May 17 - May 23

Julie Christie and Oscar Werner

In Francois Truffaut's

Fahrenheit 451

From the novel by Ray Bradbury

Covered "The Rod . . . and how to use it"
Noonan Lectures On History of Birth Control

"Contraception in Western Society" will be discussed by Prof. John T. Noonan, Jr., at Caltech today at 8:30 p.m. in Dalney Lounge.

Tomorrow, Prof. Noonan will join Professors James Hinton, Alan Swezey, and Albert Tyler in a special biology-social science forum to examine recent discoveries on problems of Population Growth.

Dr. Noonan, professor of law at the University of California, Berkeley, has been consultant on history to the Papal Commission on Population, and Natality. He is the editor of the American Journal of Jurisprudence, the "Natural Law Forum," and the author of "Contraception, A History of its Treatment by the Catholic Theologians and Canonists." He has lectured widely on the moral, philosophical, and legal aspects of birth control.

College Tour (Continued from page 1)

Professor Hinton is basicaly paternal. There are many student-faculty commit­tees without much real power. Despite these weaknesses, the school has achieved a meaningful relationship between graduate and undergraduate students, both of which are represented in the student government. Rhodes found that the trip reinforced some of his positions and modified others. His feeling that everyone should participate in the decision making process is dependent upon three reasons: The student does not give up all rights and responsibility upon entering the university; a balance between faculty and stu­dent viewpoints is necessary in order to make the best quality decisions; and in order to make decisions is part of the educa­tion process.

Of course, in reference to Caltech, he felt we have too many courses. The philosophy that courses are the only way to education places too much emphasis on group and too little on the individual. A teaching system more effective in ex­ploiting our faculty resources, emphasizing the advantages of common work, is necessary.

Thrilling

Things can be done at Caltech that couldn't be attempted else­where. In addition, a plan was suggested to Rhodes that the student body as a whole spend a year in pursuit of some large goal, such as solving the smog problem. Although a large grant would be necessary, this idea thrilled Rhodes very much.

Student Dies (Continued from page 1)

able to register in the fall. John is majoring in astronomy.

Fisher was a junior in physics. His body was accompanied to the Wednesday funeral in Wash­ing­ton D.C. by Allen Hirsh, who also presented the Fishers with a check for $55 in Ricketts House to be donated to a charity in Harris's name. Fisher was the second Tecker killed this year. During spring vacation, Kim Cros­by, a grad student in physics, was also killed in a car accident.

Birth Control (Continued from page 1)

death rate. Since a large per­centage of the deaths which oc­urred in ancient Rome, for ex­ample, were infant deaths, the average life span of the ancient Roman appears deceptively low. In fact, Dr. Sweezy mentioned that the ancient Roman had a large change to reach the modern age of 50 to 60 years old. He lived through another fallacy which is ap­parently deduced by modern critics is that the great decrease in the birth rate around the year 200 was a direct result of the Great Depression. In reality it was brought about that the most likely place of the trip in the growth rate occurred during the pre-dep­ression period, a fact which forces one to conclude that times of plenty are often more con­scious than times of scarcity.

Math Seminar (Continued from page 5)

who have stayed it has been an interesting experience. The class has avoided taking a dry, pedan­tistic approach to what is, when appro­ached properly, an interesting topic. The method has been suc­cessful enough to be continued next year. It is a method to col­lect persons who might be interested for this type of class, an organizational meeting for next year's Math 3 class will be held May 24 at 3 p.m. in 206 Dalney, to discuss taking preventative measures than times of strife. In conclusion, Dr. Sweezy argued that, under the optimism which might result upon exam­ing the present declining birth rate, postulating that it is "conceivable" that overpopulation is a problem which will not be overcome for many years.

And tomorrow Mrs. Foster will use a hammer to create an earthquake

Mrs. Foster is going to use that balloon to illustrate the principles of heat energy. Tomorrow she'll whack a piece of wood to force home a standard fort.

These are two of the many experiments outlined in the teaching kits that Standard Oil provides for children in the West. Each semester thousands of teachers use them to create an exciting and effective atmosphere for learning. Why our interest in Education? We're specialists when it comes to natural resources and we recognize that youth is the greatest natural resource America has. The more they learn now, the better equipped they will be to contribute to the country in the future.

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Notices

Y. D.-Y.R. BULL SESSION

This week's bull session involves the issue of capital punishment. Everyone is welcome. Coffeehouse Thurs. 10:00 P.M.

SHOW TICKETS to "The Boy Friend" starring Jane Powell, at the Curtain Theater are available for assorted dates and times from Ned Hale at the Office of the Master of Student Houses.

SAILING CLUB MEETING

The Caltech Sailing Club is meeting tonight, May 19, at 8:00 p.m. in upper West. The pur­pose is election of officers and dis­cussion of the summer sailing pro­gram. Non-members are invited.

LAWRENCE HARVY & DALLAS LAVI

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THE MORALITY OF WAR

is the topic of the Newman Club seminar tonight at 7:30 Clubroom I, Winnett. The topic will be dis­cussed in the abstract sense ra­ther than with respect to any sin­gle conflict. Captain Donald L. Sterns, U. S. A. F., and Mr. Ste­fano Bucigarelli of the American Services Committee will be guests.

CALTECH YMCA-LOST AND

FOUND

All items in the lost and found that are not claimed before 4 p.m. on Wednesday, May 24 will be sold at the annual lost and found auc­tion, Thursday, May 18, 1967.
Lloyd Looks Impressive in Early Games of IH Foothill

The Houses are at it again. Already Lloyd House has humiliated Blacker 19-0, Ricketts 26-0, Dabney has defeated Fleming 41-0, and Vance and leads Marsh Hall and Dabney had no trouble in disposing of Blacker. Blacker's loss to Ricketts was an uninteresting contest. Monday's slam-dunk game between Page and Fleming was an exciting and well-played battle between the top contenders for the Interhouse crown.

In the overall competition, Fleming leads Page by four Trophy points, 251 to 247.

Coach Lauds Tech Athletes; Weigh Lifting Contest Set

During the past three months many of the off-season athletes have become involved with the Athletic Weight Training Program. These 32 dedicated individuals have been lifting weights twice a week in the late afternoon. The breakdown in terms of numbers of athletes in the different off-season sports is as follows: football, 17; wrestling, 10; water polo, 4; soccer, 3; basketball, 0.

Coach Tom Gutman, director of the program, is very pleased with the response to this new addition to the overall athletic program. "The degree of strength and the application that these boys have acquired," comments Gutman, "have been beyond expectation. The program these athletes participate in is designed to meet their strength needs based upon the sport in which they participate. If this quality of interest continues throughout the summer and during the years to come, I'm convinced that Caltech will be on the road towards increased success in her athletic endeavors."

Many of the athletes in the Weight Program are to participate in a weight lifting contest during May 22-26 from 4:00 p.m. to 5:30 p.m. each day. However, this will be an open contest; any interested undergraduate eligible to compete.

Four different lifts will be required in the contest. They are as follows: military press, clean and jerk, bench press, and dead lift. Competition will be divided into seven weight divisions as follows: 125 pounds, 132 pounds, 140 pounds, 150 pounds, 168 pounds, 184 pounds, and heavy-weight (over 184).

Before each day of lifting, each contestant will weigh in to determine the class in which he will compete. Sign-ups for the contest must be made no later than noon Monday, May 22, through Coach Gutman in the Athletic Department.

Teckers Free To Use Boats

Members of the Caltech community stranded in the Los Angeles area this summer should give some thought to recreational facilities available for their use—particularly, the Caltech sailboats. Most people seem unaware that there are four sailboats available year round to qualified Caltech; people three 12-foot fiberglas, single-sail boats and one 18-foot sloop (two sails, one mast).

The qualifications are simple: any member of the Caltech Sailing Club who has demonstrated the ability to handle these boats is eligible to use them when he desires. This very same Sailing Club is meeting tonight at 8:00 p.m. in uptown Winnett, and all persons interested in summer sailing should try to attend.

Sailing Club dues are only $5.00 per year, which includes boating privileges for three qualified. All members of the Caltech community are invited to join. Sailing is not hard to learn (Anyone with a friend qualified to use the boats could learn in two or three days.), and makes for a great date or just a lazy afternoon in Southern California summers.

CIT Hosts UCLA

Tom Buckholts defeated Peter Youse 6-4, 6-1 in semifinal of upper half and Roger David­­ disbelief defeated Martin Fries 6-4, 6-2 in semi-final of low half. Tom Buckholts defeated Roger David­­ disbelief 6-4, 6-1 in final, with Youse being the defending champion and played almost errorless tennis in the finals.

Coincidence of the day: Lloyd House went to press. Interhouse engagements were not available when the Tech went to press.
Now that you’ve made up your mind about that first engineering job, don’t.

Don’t make a decision until you have all the input. The Data Systems Division of Litton Industries would like to put the word out to you: UNUSUAL OPPORTUNITIES EXIST NOW FOR GRADUATING ENGINEERS. Get the facts before you take that first step.

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**Circuit Design.** You would design circuits for digital computers and input/output equipments, utilizing integrated circuit technology, thin film technology and discrete components.

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**Data / Reconnaissance Systems.** You would be involved in circuit or systems design assignments of a highly sophisticated nature in airborne data processing configurations, reconnaissance and information storage and retrieval systems.

**Field Engineering.** You would serve as technical advisor to the customer on the operation, maintenance and training for digital equipment in the field environment.

**Systems Test Engineering.** You would checkout complex analog and digital subsystems and complete systems in preparation for acceptance testing including some design of logic and wiring.

**Technical Writing.** You would develop technical manuals for the operation and maintenance of electronic or digital data processing equipment.

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