Solve the population problem . . .

# CaliforniaTech

Associated Students of the California Institute of Technology

Not Love!

Make War,

Volume LXVIII

Pasadena, California, Thursday, May 18, 1967

Number 29

## Population Boom Discussed by Dr. Sweezy

"The Problem of Overpopulation" was the topic discussed by Dr. Alan Sweezy at a recent lecture. Dr. Sweezy stressed many aspects of the cause of overpopulation that might not have been entirely obvious to the average student.

In the first place, he quickly dispelled the myth that increased birth rates are the sole cause of overpopulation, although he certainly did not deny that the birth rate was the major factor in overpopulation. Dr. Sweezy proposed three conditions under which the birth rate might be decreased. First, the general population must desire to have fewer offspring. Second, the beliefs of the people involved must not conflict with the idea of the use of some birth-preventative device. Third, the general public must be aware of the existence of the preventative device in question.

A thumbnail sketch of the history of birth prevention was then given. Few records of contraception were left behind by our ancestors either because none existed or because of the secretive nature of the subject matter; at any rate, one cannot speak authoritatively about the subject in any great detail until after the eighteenth century.

He then discussed solutions to the problem in order of increasing appeal, to the majority namely abstinence, abortion, rhythm, anl use of preventative devices during coition.

But, as was mentioned before, Dr. Sweezy did not dwell solely on this aspect of the population problem. Rather, he discussed subtle points of the dilemma which people might normally overlook. First, he cautioned against placing too high an importance on the fact that our ancestors had a much higher

(Continued on page 4)

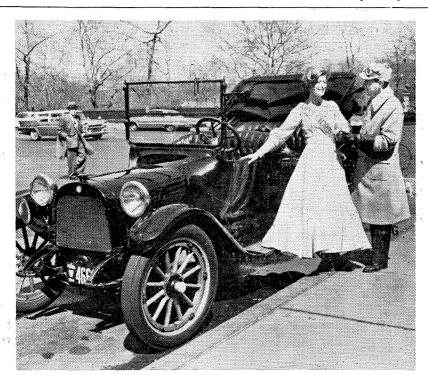
# "Rain Game" to Open in Tech Talent Show

by Roger Goodman

ASCIT will present the world premiere of **A** Game of Chance Played in the Rain, an original musical comedy, this Saturday evening in Beckman Auditorium. According to producer Dan Nemzer, he is awaiting a reply from Gov. Ronald Reagan, who was invited because of the play's significance to the interrelation between science and politics.

The show, emceed by Rege Cordic of KNX, features the varied talent found among Teckers in all aspects of drama, dancing, and music. The musical showcases the talents of eight girls from Pasadena City College and Pasadena High School, who add to the action with singing and originally choreographed dancing.

Many Houses are planning partits following **A Game of Chance**, which is free to ASCIT members and costs \$1.00 for Caltech personnel and \$1.50 for the public. KNXT, Channel 2, will include a preview of the show during tonight's newscasts at 6:00 and 11:00.



A typically spring-feverish Tecker escorts his date to his car as the blissful duo begin Lost Weekend festivities with a trip to a prom at thr La Canada Country Club.

# Rhodes Tours East, Gleans New Ideas for ASCIT

by Hecht

ASCIT President Joe Rhodes returned to Caltech Saturday from a week-long tour of other colleges. He visited MIT and Harvard near Boston, Barnard, and Columbia in New York, Swarthmore near Philadelphia, the University of Chicago, and Antioch in Ohio, spending about a day and a half at each school, excluding Antioch, which he visited only briefly. Rhodes hopes the trip, which cost about \$200 altogether, will be paid for by the Institute; if not, he will pay for it himself.

Rhodes's purpose in making this trip was to broaden his perspectives on university life by talking with people living in the system—students, faculty, and administrators. In particular, he wanted to study the roles of students in decision making, graduate and undergraduate relations, and new academic processes and methods; and to investigate what can be done here with these ideas.

The very best

At Harvard, there seemed to be two opposite views of the school. Intellectualism brought questioning of the school's methods by the leaders, but there was also a hesitancy on the part of many to question much, because they felt they had the very best. There is some official communication between students and faculty, but little is meaningful. A course-oriented honors program involves almost all upper-classmen.

MIT produced an impression which Rhodes could not define. Power is very sharply divided, students handling student affairs and the administration handling academic and administrative affairs. For example, the students run the entire athletic program, hiring and firing coaches and managing the facilities. They also determine and enforce their own rules on women. While many of the other schools were working on pass-fail systems for upperclassmen, MIT was the only one working on the possibility for fresh-

#### Exciting

Swarthmore is one of the better small colleges in the country.

About 30% of the juniors and seniors participate in an honors program which Rhodes considered "very exciting." Students take only two honors seminars each term, with no outside courses. Pressure on those in the program is quite high. In some ways this seems too rigid to the students, who are trying to modify the system so they can either take a course in addition to the two seminars, or take only one seminar and take regular courses to fill out their schedule. The student government is generally moderate, and seems involved in playing politics. The Progressive element is in the Students for Democratic Society originated at Swarthmore.

Weak

The image the University of Chicago tries to project is liberal, dynamic and academically progressive; Rhodes feels the situation is exactly opposite. The decision-making process of the school is vague, and its philoso-

(Continued on page 4)

# Institute to Require Yearlong Housing

IHC Approves Action

In the past few weeks the IHC has made important decisions relating to the Student Houses. According to IHC Chairman Jon Haviland, there have also been joint meetings with the Faculty Committee on Undergraduate Student Houses. The main concerns of the IHC at the present are the placement of freshmen in Houses and the financial problems relating to the Houses. Consideration of these issues has taken precedence over more general ideas, such as the fundamental structure of the Houses.

The new procedure for the placement of freshmen was adopted this week. Houses will draw up a preference list of frosh on the basis on interest polls by the end of third term. After August 1, when room contracts are due, the number of frosh for each house will be apportioned and representatives from each House will meet to choose. Frosh who decide to rotate will so indicate after Thanksgiving. Reassignments will be made at the start of second term.

Deficit spending

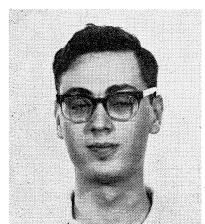
Because of a large deficit due to people moving off campus, a new policy, proposed by the IHC and modified by the Faculty Committee, was adopted. A \$50 room deposit will be required during the summer, which will be forfeited if a student cancels his contract before registraiton of first term. After a student moves in, his entire room bill will be forfeited if he moves off at any time during the year. An ad hoc committee will hear appeals on forfeiture of room payment. Its non-voting chairman will be the chairman of the Faculty Committee on Undergraduate Student Houses, and other members will be the IHC Chairman, the Master of Student Houses, the R. A. and House President of the petitioning student's house, and two members each from the IHC and the Faculty Committee.

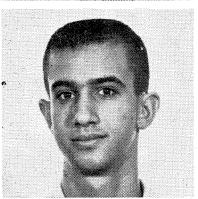
Proposed economy measures include a waiter-student ratio of 1:16, 20 meals a week instead of 21, and more cafeteria-style meals. In order to avoid a board increase, cafeteria meals will be tried at lunch first term next year, as well as at all weekend meals except Saturday evening. Haviland stressed that this is a trial basis and that there will be no room and board increase first term. An increase would come only after first term, if family-style meals were reinstated.

The Faculty Committee has received the Houses' vice-presidents' proposal for the abolishment of the women rule. Action is expected soon.

# Fisher Killed, Jaffe Hurt In Crash

Haren Fisher was killed and Walt Jaffe was seriously injured in an auto accident last Saturday night. They were returning from a trip to Palomar Observatory in Jaffe's MG when they were apparently forced into oncoming traffic by a car trying to pass on the right. The driver has not been located.





Haren Fisher (top), was killed in an automobile accident on Saturday evening. Walter Jaffe was seriously injured in the mishap and is now at Cedars of Lebanon Hospital.

In the head-on collision, Fisher suffered head injuries and was probably killed instantly. Jaffe suffered head and internal injuries and is presently in serious condition at Cedars of Lebanon Hospital. He is expected to recover fully, and although a "rough summer" is expected, it is hoped that he will be

(Continued on page 4)

# Page and Ricketts in I.H. Bridge Tournment Finals

Ricketts and Page finished the round robin of the IH Bridge tournament in a near tie to qualify for the playoff. Ricketts amassed a one I.M.P. lead over Page, which will be carried over into the final 28 hand final session.

Page won the round-robin itself by a large margin, 178-149 victory points, but their 2 IMP loss to Ricketts precluded their sweeping the tournament in the preliminary rounds. Fleming lost only 2 matches, but their score of 138 was not enough to place them in the finals. Under the current rules, a playoff between the top two finishers is required unless the house scoring highest also wins every match.

Blacker House finished a surprise fourth, with Dabney finishing fifth and the defending House, Lloyd, in sixth place. Ruddock did not enter a team. In matches, the records were Page, 4-1; Fleming, 3-2; Ricketts,

3-2; Dabney, 2-3; Blacker, 2-3; Lloyd, 1-4.

The 28 board playoff will be held sometime next week at the convenience of the Houses involved. The winning house receives possession of the Interhouse Bridge Trophy for one year.

At he beginning of the second session, Fleming held a comfortable 44 IMP lead, with Page second and Ricketts third. Lloyd found itself a dismal 64 IMP's behind, and had to console itself with shooting the works. However, the leaders had accumulated most of their point in big swing matches, where the victory point scale limits the margin of victory in individual matches. Dabney, although 14 IMP's off, had a match record of 3-2 and had reason to hope, even though then in fifth place. However both Dabney and Fleming faded in the race to allow Ricketts a place in the finals.

#### Editorial

# Will Principles Win?

As critical issues come to the fore in today's hectic society, a disturbing flaw becomes apparent in the fiber of the nation's businesses and, in certain cases, of the nation's educational institions. We see men who have risen through the ranks of the largest corporations and have attained a position carrying much responsibility fail to speak their minds on controversial questions. We see men who have risen through the ranks of academia fail to state their views publicly.

#### Don't rock the boat

Have we reached a stage in society at which men who have demonstrated their competence are not allowed to take controversial stands because the "system" will be jarred by their so doing? Is there not something wrong with society if it does not allow accomplished individuals to exercise the judgment which, to be sure, is in large part responsible for their gaining the influence they wield?

The specific instance that comes to mind concerns the student body's request that President DuBridge send a letter to the University of Redlands Board of Trustees on the subject of that school's closed speaker policy. President DuBridge politely refused to comply, though he is no doubt in favor of an open speaker policy as it exists at Caltech

#### Never

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 occasion would have seemed like a knuckling-under to the student body. What is disturbing is the suggestion by some faculty members that even if the President were to write the letter in question of his own volition, he could never sign it and associate his name with the Presidency of Caltech. 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 entire 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 financial fluidity, institutions and their leaders, must not offend any of the donors to the institutions with opinions that are controversial.

Congressional leaders continually exhort the public to state its opinions to them on subjects about which the latter knows very little. Why, then, should not institutional leaders who have accumulated vast experience in certain fields of endeavor be encouraged to take controversial stands when questions arise in their specialities?

We are sadly of the opinion that at the base of the matter is the bitter controversy between dollars and principles. We must severely criticize any society which creates situations wherein knowledgeable individuals are prevented from stating their views because of monetary concerns.

-Les Fishbone

# Leftist Author Luce Will Address Campus Friday

front of Winnett. The YR's and YMCA are co-sponsoring Mr. Luce to speak on the "New Left." Luce is one of the most knowledgeable and sought-after public speakers about the New Left in the United States today. As a former leader of the Progressive Labor Party (he edited its magazine, Progressive Labor) and a leader of the 1963 U.S. "student" trip to Cuba, Mr. Luce is eminently qualified to discuss the New Left-what it is, where it is going, and why he left it.

He has spoken at major universities throughout the country, including Harvard, University of Wisconsin, New York University, Ohio State, University of Missouri, and Washington University. He has also appeared before dozens 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

Mr. Phillip Abbott Luce will Guerrilla Warfare in the U.S. He speak this Friday at 12:30 in is also editor of The "New" Red China Lobby. In addition, his articles have been published in Saturday Evening Post, Reader's Digest, Rally, National Review, Frontier, Human Events, National Guardian, Revolution (France), World Affairs (England), the Minority of One (York, Pa.) Gazette and Daily, and others. HUAC

> Luce received his BA from Mississippi State University and his MA from Ohio State University. He left the Progressive Labor Party in January, 1965, and has since testified before the House Committee on Un-American Activities and cooperated with a number of government agencies. John Chamberlain, nationally syndicated columnist, has called Luce "the Whittaker Chambers of his generation."

> Questions will be answered after the speach and a more informed bull session will be held in the Y-lounge from 1:30 to 3 p.m.

### Republican Chatter

# Selective Service Unjust; Voluntary System Needed

The trend of America's foreign policy since World War II has been one of undeclared, limited wars in response to apparent, limited Communist aggression. In all such incidents, the United States has engaged in military action without a declaration of war on the supposed aggressor. This has relieved the responsibility of military victory from the political party in power, or, more specifically, from the President, who is primarily responsible for foreign policy decisions. This new political and military foreign policy tactic places in the President's hands a great deal of power 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 conclusion 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 system that supplies the men for this new undertaking. Gross

The present draft system is grossly unjust; it discriminates against Negroes and the poor. But worst of all, this so-called "peacetime" draft is totally for-

# Tau Beta Pi Initiates New Members

The Caltech chapter of Tau Beta Pi initiated 17 members of the Senior and Junior classes at the chapter's regular spring initiation ceremony Sunday afternoon, May 7.

The initiates are George Balanis, James Beale, Michael Beeson, Robert Dickinson, Dennis Furuike, Myron Mandell, William Mitchell, James Pearson, Richard Touton, all of the class of '67; Jay Freeman, Kenneth Garbade, Walter Gish, Walter Jaffe, Steven Landy, Allen Schwenk, Richard Wright, and Kenneth Yano, all of the class of '68.

Tau Beta Pi is the national engineering honor society. Caltech's chapter, which embraces both the engineering and the science curricula, was formed in 1921 and has initiated over 1.000

## CaliforniaTech

Published weekly during the school year except during holidays and exams by the Associated Students of the California Institute of Technology

Editors: Kirk Benson and Les Fishbone, Editors-in-chief; Mike Henerey, Features; Jim Cook, Managing; Vincent Johns, Copy; Charles Creasy, Sports.

Peter Balint, Dave Lewin, Dan Villani, Terry Reedy, Bill Atwood, Roger Goodman, Jon Haviland, Jeff Hecht, Mike Meo, Rick Sinclair, Giles Duesdieker, Henry DeWitt, Steve Johnson.

Business: John Middleditch, Manager; Kim Gleason and John Walters, Circulation Managers.

California Tech, Publication Offices: 1201 E. California Blvd., Pasadena, California, 91109. Second-class postage paid at Pasadena, California. Represented nationally by National Educational Advertising Services, Inc. Subscriptions: \$1.50 per term, \$4.00 per Life subscription: \$100.00. Printed by Bickley Printing Co., 25 South Fair Oaks Ave., Pasadena, Calif. Volume LXVIII, Number 29, Thursday, May 18, 1967.

eign to the American tradition of voluntary participation. We all realize the importance of a wartime draft, should our country ever be attacked; but unless war is declared, compulsory military conscription is unnecessary, unfair, and detrimental to our country's purposes.

Just so

The only just 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 cost increase should not substantially raise taxes. Consequently, the poor would no longer be discriminated against, for they would be more justly compensated economically. Moreover, this redistribution of income and job opportunity to low income groups would benefit the whole country.

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

During a time of declared war, there should not be any kind of lottery draft system, for the government has the duty to allocate all resources, including manpower, for the best advantage in 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 continued discussion of the draft issue is most essential to the well-being of this country. We therefore hope that the above proposals will be useful as focal points of consideration

# Letters

# Hecht Replies

Editors:

I am rather discouraged by Mr. Haviland's response to my letter. I do feel that it is his duty to insure publicity for the workings of the IHC, and I am sorry if this offends him. I don't know how I managed to offend him so greatly, except for catching him when he was (unknown to me) under considerable pressure and hence in a foul mood. Certainly he offended me by implying that he wouldn't be available for interviewing later, and couldn't care less about having the information given out.

In his letter Mr. Haviland admits that these proposals were inadequately publicized, but also says that this isn't his duty. Whose is it then? All the House presidents didn't interpret it as their duty, although Mr. Haviland does. If it is their duty, then what happens when they don't do it? Can't the IHC Chairman remind them that it is? He was aware of this failing in his own House, and just ignored it.

Publicity isn't a mystic art. The five-page mimeoed summary of economy proposals could easily have been posted on all the House bulletin boards, and a copy given to the Tech. There was nothing secret about them, and it's really quite hard to judge the merits of changes when you don't know what they cost. Students living in the Houses have a right to know what's going on in IHC, and someone has to see they are told. The IHC chairman should see, either personally or through the House presidents. If the IHC fails in this, the chairman has failed too.

Jeff Hecht

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# Dean Runs Math 5 Section Like Humanities Seminar

by Mark Jackson

It has been increasingly recognized by the Caltech student body that the traditional lecturerecitation method of teaching is not necessarily the most effective. Lectures and assigned reading see mparticularly regimented; 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 "nondirec-

ted" organization. The class has meen meeting on an informal, first-name basis since October to, essentially, BS about mathematics.

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There have been no reading assignments; instead, the class has sought its own speed. Although the rough outlines of the course have followed the text, this has not extended below the chapter level and indeed 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 subon demonstrating an insight into the topic.

#### **Dropouts**

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)

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jectively; although both a midterm and a final were given, more emphasis has been placed

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 sessions before Easter to study the class in action and still shows up occasionally.

The course clearly has not

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#### Audience

# Science Appears on Stage in UCLA's "The Physicists"

by Giles Duesdieker

During the week of May 4-13, the UCLA Department of Theater Arts presented Fredrich Durrenmatt's recent play, The Physicists. Durrenmatt, a playwright known for his ability to keep his tongue immutably ensconced in his cheek, showed fine form in spoofing the field of physics with his concise two-act play.

Given in UCLA's Macgowan Hall, The Physicists had a perfectly suitable location for a relatively professional production. On the average, the play was given just this treatment. Special effects, such as the reproduction of the sound and sight of a closing iron grill, were handled with passable professionality. The stage set, depicting a plush asylum for wealthy lunatics, was assembled in an admirable fashion.

#### Metamorphosis of talent

What traces of the dilettante that exised showed primarily in the first act of the two-act play. In this phase of the drama a certain degree of credibility was lacking; that is to say, the acting (with the exception of Barron le Vison's, whose performance was uniformly excellent) was generally forced. For example, even though one could not ask for a more lovely girl than Carolyn Heestand to play opposite Joseph Brown's Moebius, her sincerity carried her into the realm of "over-acting," Miss Heestand's interpretation of "love" was a little bit fawning, a little bit "whiny."

Despite this somewhat slow beginning, the second act managed to remain free of most ailments of "amateurishness." Perhaps due to the acceleration of the plot, perhaps due to the involevement of the actors, Durrenmatt's characters began to come to life. Newton's wit sparkled; Einstein's gentle amblings assumed an unusually familiar air; hunchbacked Dr. von Zahnd's ravings became delightfully in-

#### Physicists are mad

Durrenmatt, employing an uncanny amount of second sight, writes a great deal of verities into his play; it already has been mentioned that the setting for The Physicists is an elite insane asylum. Madmen, all formerly physicists, are the main characters, carrying out more or less accurate, more or less comical,

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imitations of great physicists. Despite the apparent weight of the conclusion of the plot, Durrenmatt carries out his work too much like that of a grade-B science fiction movie for anyone to believe the superficial ponderousness of 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 stand out from all the rest in its degree of profundity. Seeing his son for the last time and hearing that he wishes to follow his father's footsteps in becoming a physicist, Moebius rages into a mad frenzy, shrieking, "No! I should never have tried to become a physicist -otherwise, I might not have ended up in this madhouse!"

It is said that there is wisdom in the mouths of babes.

# Would You Believe ...?

by Mike Henerey

. . that Sunday afternoon, at Fifth Avenue and Seventy-Eighth Street in New York, a man was "tarred, feathered and beaten by a mob of some thirty men." Twenty year old cook Lance Brady's crime was having long hair and wearing sandals. He had not even been watching, when he was attacked with cries of "Get him! Kill him! He's a beatnik. He burned our flag." The party originated on a Teamsterssponsored truck which just happened to have feathers and hot tar handy.

The implicit critique on the direction of society in 1967 is 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 antiwar pickets. Somehow, although even police were hit with tar and feathers (in the attack on Brady), no one was even arrested. Contrast.

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 concern of this column is the flagrant 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's version of what I consider a major news event, it does start on the front page. Unfortunately you might miss the Seventy-Eighth Street incident; it spans lines 22 and 23 on Page Sixteen, Column One.

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## Noonan Lectures Birth Control 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 Dabney Lounge.

Tomorrow, Prof. Noonan will join Professors James Bonner. Alan Sweezy, and Albert Tyler in a special biology-social sciences colloquium 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 Problems of the Family, 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)

phy is basically paternal. There are many student-facuty 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 being able to make decisions is part of the educational 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 on the system and too little on the individual. A teaching system more effective in exploiting our faculty resources, such as the idea of seminars, must be found. Caltech is the most homogeneous of the schools Rhodes studied, but rather than emphasizing the advantages of this, we emphasize the disadvan-

#### Thrilling

Things can be done at Caltech that couldn't be attempted elsewhere. For example, 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. Jaffee is a junior 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 collection taken in Ricketts House to be donated to a charity in Haren's name. Fisher was the second Tecker killed this year. During spring vacaion, Kim Crosby, a grad student in physics, was also killed in a car accident.

(Continued from page 1)

death rate. Since a large percentage of the deaths which occurred 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 as large a chance as the modern man to live to old age, given that he survived his childhood.

Another fallacy which is apparently "deduced" by modern critics is that the great'decrease in the birth rate around the 1930's was a direct result of the Great Depression. In reality, it was brought out that the greater part of the dip in the growth rate occurred during the pre-Depression prosperity, a fact which forces one to conclude that times of plenty are often more con-

(Continued from page 3)

interesting experience. The class has avoided taking a dry, pedantic approach to what is, when approached properly, an interesting cessful enough to be continued next year; in an attempt to collect persons who might most benefit by this type of class, an organizational meeting for next year's Math 5 class wil be held May 24 at 3 p.m. in 206 Dabney.

ducive to taking preventative measures than times of strife.

In conclusion. Dr. Sweezy cautioned against undue optimism which might result upon examining the present declining birth rate, postulating that it is "conceivable" that overpopulation is a problem which will not be

#### Math Seminar

who have stayed it has been an

topic. The method has been suc-

overcome for many years.

DOUG WESTON IN ASSOCIATION WITH KEN KRAGEN & KEN FRITZ PRESENTS

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FRIDAY, MAY 19, 8:30 P.M.
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TICKETS: 4.50, 3.50, 2.50. AVAILABLE AT AUDITORIUM BOX OFFICES ALL MUTUAL AGENCIES, MUSIC CITY, TROUBADOUR BOX OFFICE & BY MAIL ORDER 

#### **Notices**

#### THE MORALITY OF WAR

is the topic of the Newman Club seminar tonight at 7:30 Clubroom 1, 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 Barragato of the American Friends Service Committee will be

#### 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 auc-

#### 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 Carousel 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 18, at 8:00 p.m. in upper Winnett. The purpose is election of officers and discussion of the summer sailing program. Non-members are invited.

LAWRENCE HARVEY & DALIAH LAVI

#### SPY WITH A COLD NOSE

Plus cofeature

#### WHERE THE BULLETS FLY

Starring Tom Adam, the second best secret agent in the whole world.

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# 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 geology lesson.

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# Lloyd Looks Impressive in Early Games of IH Foothill

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Ends May 21: MERRILEE & THE TURNABOUTS TOM & CHET

The Houses are at it again. Already Lloyd House has humiliated Ruddock 41-0 and whipped Ricketts 26-0, Dabney has defeated Blacker 19-0, Ruddock has downed Blacker 7-6, and Page and Fleming have battled to a 13-13 tie. (NOTE: The results of yesterday's games with Ricketts vs. Dabney and Ruddock vs. Fleming were not available when the **Tech** went to press.) Interhouse football is the name of the game. Dorsal defense

Lloyd has managed to assemble an awesome attack spear-

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Twice the Music

Double the Fun

headed by quarterback Bob Vance and ends Marsh Hall and Gray Jennings. Leading the unscored-upon Lloyd defense is defensive back Steve Landy.

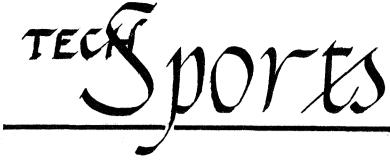
Dabney had no trouble in disposing of Blacker; Blacker's loss to Ruddock was an uninteresting contest. Monday's stalemated game between Page and Fleming was an exciting and well-played battle between the top contenders for the Interhouse crown.

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

24 N. Mentor Reservations Phone MU 1-9942

CASEY ANDERSON With his Atco Album, "'live' at the Ice F WILLARD & GRECO

at the ICE HOUSE (S)



# 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 its 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 is 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: 123 pounds, 132 pounds, 148 pounds, 165 pounds, 181 pounds, 198 pounds, and heavyweight (over 198).

Before each day of lifting, each contestant will weigh in to determine the weight 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 usein particular, the Caltech sailboats. Most people seem unaware that there are four sailboats available year round to qualified Caltech; people three 12-foot fiberglass, 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 upstairs 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 those 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 Buckholtz defeated Peter Youtz 6-3, 6-1 in semi-final of upper half and Roger Davidheiser defeated Martin Frost 6-1, 6-2 in semi-final of low half. Tom Buckholtz defeated Roger Davidheiser 6-0, 6-1 in final. Tom was the defending champion and played almost errorless tennis in the finals.

STUDENTS, if you need HÉLP in fulfilling your language requirement. inquire about tutoring services at BERLITZ, THE LANGUAGE CENTER 170 South Lake Ave. Pasadena SY 5-5888



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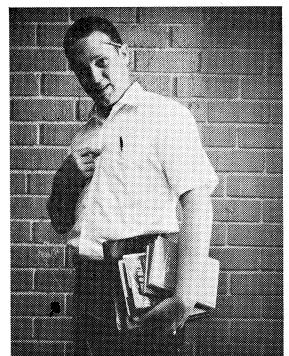
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