

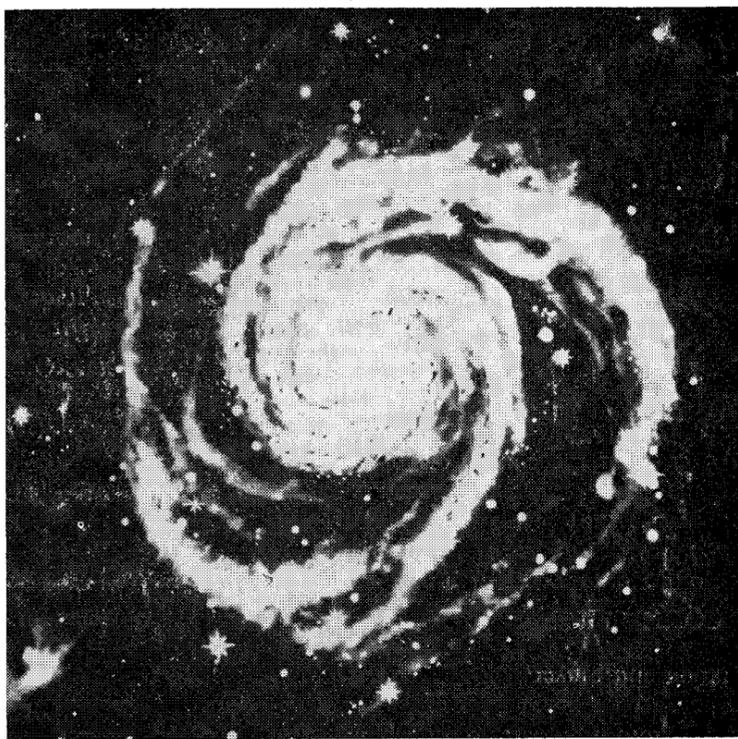
## Debaters Compete

"Better than some expected, not as well as we had hoped," Pi Kappa Delta president Dave Close characterized the Caltech debate team's recent performance at the West Point Qualifying Tournament. Close and Fred Lamb, bottom seeded in the tournament, won one of their eight debates and were finally ranked thirteenth (of sixteen).

The tournament pitted the sixteen top teams from this tenth of the nation against each other. Close and Lamb, by virtue of their performances earlier in the season debating the topic of law enforcement, were voted into the tourney by the coaches of the area.

The debate squad, and its attendant fraternity, Pi Kappa Delta (PKD) is not particularly well known as a campus activity. Despite an overwhelming lack of support from the student body, however, the squad usually manages to average .500 against all competition. Credit must be given to Herb Booth, the squad's sponsor.

Pairings vary, but the squad generally consists of the teams of Close-Lamb, Mark Jackson-Neil Wright, Kermit Kubitz-Gary Cable, and Mike Nolan-Dave Perasso. There are also such individual events as Extemp and Oratory. Although the season is nearing its close, the squad is still planning activities, including the Province Tournament in Northern California during Easter weekend.



Unidentified Flying Object is photographed hovering over Caltech by 48-Schmidt telescope on Mount Palomar.

## Fundraising Casting Now

### ASCIT PLAY

Caltech is not yet a cultural Sahara.

The Caltech Drama Club, under the auspices of ASCIT, will produce the annual ASCIT Play on May 18-21. This year's play, on which the movie "High Society" was based is the comedy "The Philadelphia Story," by Philip Barry.

Now to get down to business—casting has already started. Before you cut your throat, however, in despair at having missed your golden opportunity to become an actor, or better yet meet voluptuous actresses, rest assured that you can still make it.

Casting continues tonight, Thursday, at 9 p.m. in Winnett Clubroom 1. Come out and read for a part, for they'll probably be there for hours. If you can't tear yourself away from **Batman**, audition on Sunday at four in Winnett or next Tuesday at 7:30 in Dabney Lounge.

Drama at Caltech is really quite a rum do and jolly good fun. Any clod can get a part, because the plays are purposely selected to have plenty of room for everybody. In addition, there are always lots of interesting girls running about in various states of dishabille; you know how budding starlets are. Some of them are notoriously friendly.

Even if you can't act, you can sell tickets or something and get to come to the cast party, which is the best part of the play. Therefore be advised, Teckers, to join the ASCIT Play, bringing wives, girlfriends, faculty—anybody remotely connected with Tech is welcome. If you don't come, you'll be sorry.

## Arp Suggests Intergalactic Explosions Breed Quasars

Quasars, thought to be the most distant objects in the universe, may instead be small, compact galaxies at intermediate distances, announced Dr. Halton C. Arp, staff member of the Mount Wilson and Palomar Observatories earlier this month.

Dr. Arp claims to have found evidence that quasars have been exploded out of peculiarly-shaped galaxies that are from 30 to 300 million light years distant, much closer than the supposed distance of quasars.

### Quasar+galaxy=?

Dr. Arp bases his theory on his studies of "abnormal" galaxies, those that are distorted from the "normal" spiral of elliptical ones. The galaxies that Arp has been studying appear to have undergone titanic explosions. He has found eight quasars that are probably near five of the peculiar galaxies and three more that are possibly near three other peculiar galaxies. Among these are 3C-273, the first quasar identified, and 3C-9, supposedly one of the most distant known objects.

Dr. Arp has found a consistent pattern of peculiar galaxies bracketed by radio objects, both radio galaxies and quasars. He believes that the peculiar galaxies were once large and unstable and for some undetermined reason emitted luminous material and plasma into space. This material would continue traveling outward in all directions.

Arp has found that quasar 3C-273 is located on one side of a peculiar galaxy and the radio ga-

laxy Virgo A is located the same distance on the other side. Jets of material appear to be emerging from both radio objects and, in addition, Virgo A's jets point toward yet another radio galaxy. He has a list of several other systems with the same pattern.

Quasars have been identified as being far away by their red shifts, which is a Doppler effect that reflects the expansion of the universe. Therefore, if the quasars are much closer than previously thought, a basic flaw would be uncovered in astronomical theory.

Astronomers have considered the consequences and come up  
(Continued on page 5)

## UFO Soars Over Caltech

by Bob Parker

An Unidentified Flying Object appeared over Pasadena at about 8:05 Monday night, unleashing a deluge of calls from thousands of startled citizens upon the police and newspaper switchboards. Many Techmen got a good glimpse of it, as it appeared to make a pass at the campus.

It was first seen very low over campus, apparently approaching from the direction of Mount Wilson. The UFO got down as low as 200 feet, some observers said. As it approached the center of campus, over the Olive Walk, it rose straight upwards to what appeared to be an altitude of

2000 feet. Then, continuing to rise, it drifted out over San Marino, to the Southeast. It disappeared twelve minutes after it had been first spotted.

The UFO was described by observers as four very bright red lights equidistant from the apparent center which rotated at a rate of about 10 rpm. At no time was any fuselage or support visible. Several observers stated that if the object was indeed a flying saucer, perhaps the lights that were seen were some sort of landing lights.

Will wonders never cease . . . ?  
(see editor's addition page 5)

## African Crisis To Occur Saturday

The latest pseudo crisis in South Africa will be dramatized by some fivescore people as the YMCA's Political Military Exercise 151 comes alive this Saturday at 9 a.m. in 208 Dabney. The crisis is not real, of course. Rather it is the product of the sometimes rampant imagination of Dr. Edwin Munger, Professor of Geography and Mike Cunningham, boy revolutionary.

The people who are gathering are mostly Techmen and faculty with an interest in political affairs. There is, however, a sprinkling of girls from Oxy and Scripps to make the affair a bit more interesting in other ways. Each of the participants has been assigned a role of some world leader, for example, President Johnson, Prime Minister Wilson, or Mao Tse-Tung. They have further been divided into seven groups: the US, the USSR, Great Britain, South Africa, China, Portugal, and an ad hoc group

representing ten countries in Africa. Once the crisis has been read, the groups will adjourn to random rooms throughout Dabney, forth from which they will not issue save for bread, water, and other bodily necessities.

Having entered the rooms, the participants react to the crisis as if they were the world leader whose role they are assuming. The only restraints on their actions are the responsibilities and powers inherent within the role they play. There is a control board which monitors all the action to make the players live with the responsibilities of their actions. Actions are taken in the form of messages sent to the other groups by means of carefully chosen messengers. For example, the US and Britain might plan to land troops in Rhodesia. This would be accomplished by negotiation between the US and the UK leading to a final agreement. With agreement reached, a message would be sent to the  
(Continued on page 3)

## Zwicky in Braintrust

Dr. Fritz Zwicky, Caltech professor of astrophysics, has been elected to serve on the Scientific-Legal Liaison Committee of the International Academy of Astronautics. The committee's fifteen members are scientists from the United States, the U.S.S.R., France, England, Czechoslovakia, West Germany, Yugoslavia, Switzerland, and Abyssinia.

**Twitch!**  
In discussing the purpose of this committee, Zwicky said, "In addition to the scientific and technological problems involved in the conquest of space, human problems of a profound nature must also be solved. Otherwise we human beings will blunder into space as irresponsibly as we have blundered into so many large scale developments in the past."

He also mentioned that "Although solutions to countless problems in narrow fields have been achieved by specialists, the value of specialists in human affairs has often been overrated, and concern with the integration of vital factors grossly neglected."

There has been much concern

in the past several years about the legal problems presented by spaceflight. On this subject, Zwicky declared, "The problem of administering justice in space must be treated in two stages. The first stage involves a holding action which is imperative at this time. The second stage involves planning and construction with a view to greater permanency."

### Unbiased study needed

The strictly unprejudiced study and constructive applications of all of man's activities, Zwicky believes, is the only way to prevent careless experimentation or the exploitation of space in any manner. In the field of space justice, this approach would be applied to the establishment of an international code of behavior and procedures for the space age and its adoption by all the major powers.

In conclusion, he stated, "The Scientific-Legal Liaison Committee of the International Academy of Astronautics will endeavor to create a climate of good will for the unprejudiced and efficient study of all scientific, technical, and human problems involved."

## Notices

### Y AREA COUNCIL

Mike Cunningham has been elected president of the Pacific Southwest Area YMCA Council (Arizona, California, Hawaii). Mike is the youngest president, ever.

### CHAMBER MUSIC

The Goldman Trio will present a free concert in Dabney Lounge Sunday, April 10, at 8:15 p.m. The program will consist of works by Beethoven, Schubert, and Aaron Copeland.

### NO APPLICANTS

have filed for these offices: ASCIT Assembly Committee Chairman, Little t Editor, and Big T Editor. See Kermit Kubitz if you seek the power and unlimited glory of these positions.

### HELP ASCIT

to help the drama club by attending the Caltech play on May 18-21; the "Lucky Pierre Contest."

### BLOODMOBILE

is coming; — to Dabney Lounge on April 15. Check with your house blood drive representative for information and appropriate forms. Donors receive blood bank credits if they themselves ever need a transfusion or blood derivatives.

### BRIDGE TOURNEY

The First Annual Collegiate Team of Four Bridge Tournament will be held on Saturday, April 23, at UCSB. All undergraduate pairs wishing to participate must see Louis Newman in Page or call Joel Goldberg, 681-8830, by 9 p.m. tonight.

(Continued on page 6)

## Editorial

## A Cure For Apathy

As often happens third term, with second term gone and the year practically over, an alarming number of organizations are slowly dying from lack of participants. Many of these organizations, like the **Big T**, Drama Club, **Little t**, and Band have a hard schedule to keep during the third term. For example, the Drama Club, sponsored by ASCIT, will present a play May 18 through 21; tryouts and castings are already in progress. The **Big T** has been extremely busy over the past spring vacation and is working hard to get to the printers **on time** this year, while the **Little t** is just about to begin its work.

Both the Band and the Glee Club need extra support for their third term programs, though this support may never materialize unless drastic steps are taken.

There is one obvious source of talent, however, which is usually wasted, the senior class. That they are a great source of talent is indisputable. Seniors have, during the past year, held a large number of House offices, BOD offices, and positions on other campus organizations. In short, they have contributed the most to the leadership on campus. There is also no question of their ability to continue to contribute to campus life, since grades are no longer essential.

Unfortunately, third term seniors often tend to divorce themselves from participating in campus life. Many of them move off campus, not taking care to leave an address or telephone number, and never seriously consider contributing to campus activities, except for taking occasional advantage of their House social life. In short, they live as self-made outcasts participating only passively in campus affairs.

We of the **California Tech** think that this waste is causing many worthwhile organizations and new innovations to go needlessly down the tubes, and should be remedied. The remedy needed consists of a few warm, breathing, and willing bodies who, more often than not, do not have to be talented, just alive.

In addition to the established organizations are many new projects which need support. For example, the Coffeehouse Committee and Y have been hashing over establishing a coffeehouse for quite a while; positive action has been delayed by the prohibitive costs of B&G's remodeling of a suitable location. Half-a-dozen bods could cut these costs considerably.

Getting involved and working on these projects is simply not that hard, and the experience gained is enjoyable. The third term senior, with more spare time than he has had in years, is in the best position to take advantage of these opportunities.

—John Middleditch

## Sick Sex

The Supreme Court has been buried recently under an avalanche of obscenity cases. Only the highest court in the land, it appears, can make the final decision whether literature arouses "prurient interests" and is "without redeeming social value." Frankly, the entire problem of censorship seems a futile exercise in trivia. The issue should be resolved, and our stand is one of more freedom.

The United States is proud of the freedoms of speech and press guaranteed by the First Amendment. Limited freedoms though they may be, it is hard to see what the limitations of obscenity protects. Certainly it curtails the free expression of thought, by imposing a restriction to only one part of the English language, that part which has "redeeming social value." The legality of the use of words and combinations of words rests presently on men instead of law, wiping out a cornerstone of our legal tradition. Nine eminent judges pass judgment whether a book is fit for the public to read, by going home and reading it themselves. The books that have been banned do not differ greatly from those that have passed the test, and nine equally eminent lawyers might have decided differently in each case.

The police and law enforcement agencies see a direct correlation between sex crimes and the purchase of pornographic literature. Assuming that pornography should not be made available to those under 18 (or 21 if you like), what right does the state have to dictate someone's private habits? In the privacy of his home, and as long as he does not infringe on others, a man should be allowed to read what he likes. When a man has deep psychological problems that might lead him to commit a crime of assault, it cannot be shown that pornography incites him to action any more than television violence compels a homicidal maniac to murder someone. Some neurotics may even be pacified by getting the vicarious pleasure afforded with modern color photography. Whatever the upshot, there is no direct link between pornography and crime, and a precious freedom is diminished. A pervert surrounds himself with pictures of nude women, perhaps, before he commits a crime; his actions are the result of his personal problems, not those pictures. And for the state to guard personal morals is a duty which was set aside when Western Civilization emerged from theocracy.

—Michael Meo

## Letter

## No Contest

Editors,

I have read both your newspaper's recent article about Velikovsky and the issue of the **American Behavioral Scientist** which was mentioned (it was published sometime around September 1964). Since most of your statements about Velikovsky were taken from that issue, a few points might be noted.

To a social scientist, Velikovsky's "predictions" are perfectly meaningful statements which should be investigated in an impartial manner. The reason a social scientist would feel this way is clear to anyone who has read journals of sociology, anthropology, or other such material. Of course, to a physical scientist, the level of this material is primitive, but one need not ordinarily evaluate it. So long as social scientists remain in their sphere of activity, they need not be noticed elsewhere.

### Velikovsky no threat

However, the authors of the articles in the **American Behavioral Scientist** went beyond their specialty. They concluded that the American scientific community acted irrationally when judging Velikovsky's work, as though Velikovsky were some kind of threat to someone's vital interests. They gave the "evidence" for Velikovsky's "predictions" mentioned in your article, and they analyzed the behavior of American physical scientists in typical social scientific fashion (that is, with an infinitesimal signal to noise ratio).

### Predictions meaningless

As regards their "evidence" for Velikovsky's "predictions," the basic problem seems to be this: Does Velikovsky have a theory? Some social scientists say yes, most physical scientists say no. In order for any prediction to be meaningful (at least to a physical scientist) it must be part of some coherent physical theory. (For examples of coherent physical theories, one may consult Feynman's books).

Now Velikovsky has made many "predictions." But, he has

not shown how they come from any theory. Since Velikovsky has no basic equation to which one can refer, one cannot easily show whether anything false comes from his views. All of his physical "predictions" about the solar system were stated vaguely enough so that they seem to have been verified. And his chronological statements rest on little more than Biblical stories and other mythology. Perhaps to a social scientist this "evidence" would warrant consideration; to most physical scientists, it does not.

### S.O.P.

Regarding Velikovsky's treatment by the physical scientists, one can only say that it was standard operating procedure toward anyone who does not know what he is talking about. If the physical scientists had been charitable, they might have said something like, "Velikovsky, you do not know what you are talking about. Go pick up a copy of Feynman and learn some physics before you go off making predictions." But since charity is not as well distributed among physical scientists as is brilliance, Velikovsky got some rough treatment — and will continue to receive it until his "predictions" rise from the level of the social sciences to that of the physical sciences.

Very truly yours,  
Mark Goldstein

## California Tech

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## Beauty Queen

**Editors' note:** This letter was sent to the Athletic Department, but it might be of interest to the campus as a whole.

Dear Mr. Musselman:

Once again, we're calling for your help in rounding up a series of candidates for our annual Campus Queen contest. As you know, SPORT publishes over the fall and winter months a roster of pretty coeds gleaned from a national search, and asks its readers to pick a winner. The contests have been well received among our readers and the colleges, over the past 14 years. We hope to continue this success in the 1966-67 season.

If you have a pretty coed on the campus who will not graduate before June, 1967, please let us know. All we ask is that she have a pretty face and a handsome figure. If you have a candidate, would you kindly send us some good, glossy photos of her. We don't want studio-type sophisticated cheesecake or portrait jobs. What we do want are informal photos, with some kind of a campus background, giving us a good view of the gal's face and figure. We'd like her in casual, campus dress. If she is a cheerleader or drum majorette, photos of her in "uniform" would be good. If you could include the vital physical statistics and a brief outline of background data, we would be home free.

The first entry in our contest will run in the September issue (on sale in August). We are accepting entries now and will continue to do so for the next four months.

Many thanks for all your past help and I hope you can supply us with a pretty candidate.

Best wishes,  
Berry Stainback  
Assistant Managing Editor  
Sport Magazine

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# Dunes Model Mars

The shifting sands of the California deserts have quite a tale to tell about effects of wind on landscape, wanderings of the earth's poles, and the age of Mars' surface. For fifteen years Dr. Robert P. Sharp, chairman of the Geology Department at Caltech, has studied the sand dunes of the Mojave Desert and surrounding areas on a "week-end geological project," deciphering this tale, and recently released some of his results.

### Big and fast

The dunes, some as much as 550 feet in height and miles in length, are driven by the wind across gullies and over mountains at speeds often exceeding 100 feet per year. The dunes vary greatly in age, from young dunes about 100 to 300 years old to dunes so old they have become fossilized. Some fossil dunes reveal ancient wind patterns which indicate that the

north pole was in eastern Siberia 200 million years ago.

Dunes can also be a threat to manmade projects. The Algodones Dunes may be advancing on U.S. Highway 80 and the All-America Canal which brings irrigation water to the Imperial Valley. Dr. Sharp is trying to determine if the sand, whose forward wall is only 500 feet from the canal, is moving towards the canal.

### Explain Mars

Sharp, who was a member of the team that evaluated the Mariner IV pictures, said, "Studies of sand movement on earth may be helpful in understanding the surface of Mars . . . Wind erosion and deposition could account for some of the modifying effects inferred from the pictures." The dunes which lend atmosphere to so many Hollywood productions may tell us something about the atmosphere of Mars.

# Continuing Crisis

(Continued from page 1)

control board telling of the arrangements. If the action is realistic the control board will announce it as accomplished after a length of time corresponding to the time it would normally take for the event to occur.

Each action taken by a country will, of course, cause a reaction in other parts of the world. The initial crisis may be replaced by another of the participants own making.

This is what happened last year when the original crisis in Rhodesia was submerged by the aggressive actions of Professor Gell-Mann who wantonly invaded the Portuguese territory of Mozambique.

The entire game is set up to imitate the actual world scene. There is a United Nations to which the Foreign Ministers of the member countries in the game travel to discuss possible resolutions. There will even be a periodic news broadcast.

While the positions of the world leaders have been filled, there are still some openings for messengers. Anyone interested should contact Larry Gorbet in Ricketts. Perhaps more appealing in another respect is an opportunity to take one of our female participants to lunch or dinner in the Houses on either Saturday or Sunday. Those interested in that task should contact Dan Metlay at 793-5047.

# From Other Campuses

by UFO

Perusing the incredible pile of papers that accumulated during our version of Easter Vacation, your faithful reporter notes with surprise an article in the Azusa-Pacific College **Clause**, concerning an alligator race held at AP a couple of weeks ago. There were five 'gators in the event, which was described as follows: at the sound of a starter's gun, the crocks (one described as a "large, pale green, streamlined crock") were supposed to race from the center of a twenty-foot circle to the outside edge. Two of the five 'gators simply sat down when the gun went off, and tied for dead last. The winner, named Sylvester II, made it to the outside in thirteen seconds. How about it, Snorton. Are you and Linus going to challenge them?

### Real live fuzz

In the Georgetown University **Hoya**, we find the smiling picture of Washington's answer to our own dauntless campus protector (the well-known Lt. Sherlock Fig) issuing parking citation No. 560,001. In the accompanying article, we find that the parking citations are in fact issued by D.C. police, who are getting a bit concerned over the fact that there are now roughly 560,000 outstanding parking citations. But I guess we should be thankful, for each parking tab there costs \$5, which doubles to \$10 if not paid in four days. They also tow people away there, an event which has not happened since the Dark Ages here at Tech. Maybe - this - place-isn't-so-bad

Dept.—from the California Western Univ. **Tide**, we learn that one of the men's residence halls has asked to have women visitors in its rooms. And get the rules that are proposed. Hours for coed visitors: Friday from six to midnight, Saturday from two to midnight, and Sunday from two to 11. All the girls must be **signed in and out** of the dorm, and the doors to the room must be unlocked during the visit. And the residence official proposed periodic 'inspections', which I guess means popping into your room to lech at your girl. I gather that the rooms there are 'suites', with a study-living room and a bedroom; the regs proposed impose severe penalties if your broad is found in anyplace but the study-living part of the place . . . wonder how they define living?

### Egg-in-their-beer

From the Chapman College Panther, there is a report of what appears to be a committee similar to our EPC. The student body excomm was trying to decide whether or not to add these two questions to a faculty evaluation questionnaire:

1. Does the professor display a commitment to a philosophy of life?
2. Is the life the professor leads consistent with the values he claims to uphold?

Whew! If we could just find a few more profs that could teach, we'd be happy.

Dr. Richard M. Sutton, professor of physics at Caltech, died Tuesday of a Tuesday of a heart attack he suffered. Services Friday. Author of "Demonstration Experiments in Physics", "The Physics of Space", and "College Physics" a standard textbook. Sutton won the Oersted Medal in 1953 "for notable contributions to the teaching of physics." Memorable service will be conducted by president DuBridge, 4 p.m., in Dabney Hall.

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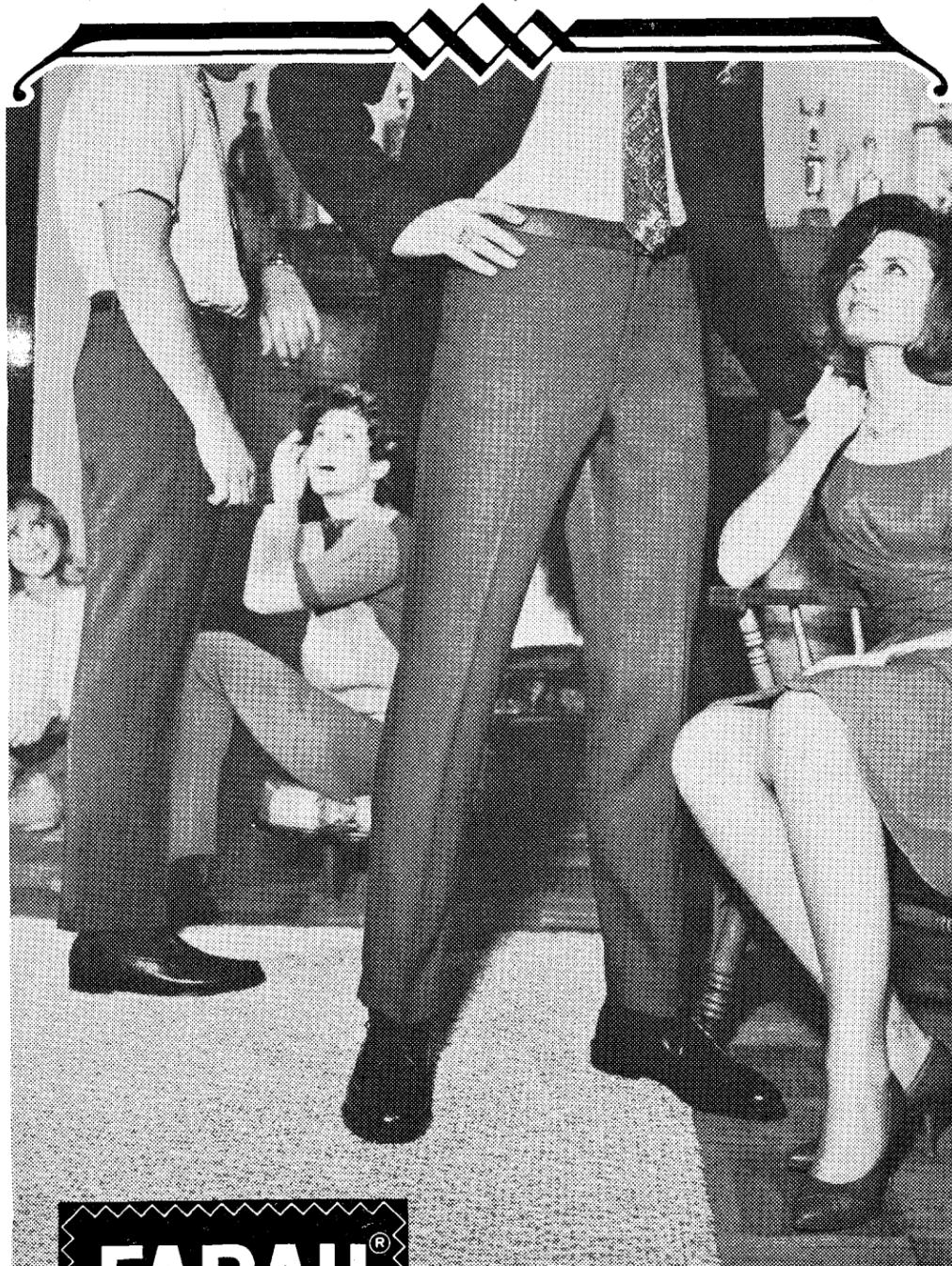
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# TECH Sports

## Baseballers Suffer Over Spring Break

After a disastrous experience with games scheduled over spring break, the varsity baseball team settled down and performed respectably against Azusa-Pacific.

### Man shortage

Playing over the holiday with a depleted corps of about ten, the team was bolstered by Tom Beatty, who stopped lifting weights long enough to get in a few games. Hindered by the long slumps of Dennis White and Stump Chapyak, the Teckers were thoroughly thrashed in three games by Cal Lutheran.

Monday's game with Azusa saw the return of Lonnie Martin, back from vacation, and Dan Hammons, recovering from a leg injury. Tech should have walked away with the game, leading 7-1 going into the seventh inning, but as fate would have it, they had to settle for 7-7, eight inning tie.

### Resney and Paine

Instrumental in the performance was the clutch hitting of captain Tom Resney and "Wilma" Paine. Paine, incidentally, has been the sparkplug of the team of late. He and newcom-

er Beatty were the only ones to hit consistently in the Cal Lutheran games.

Chapyak started on the mound and pitched four innings, giving up only one unearned run. He was followed by John Frazzini, who worked one superb inning before his arm started acting up. During the switchover the boys drove in five runs in the fourth and two more in the fifth to give Caltech a 7-1 lead. The switch from Frazzini to Craig Helberg worked out fine until the seventh inning, when a few errors and hits got Helberg into trouble.

### Disaster

It is rumored that Frazzini, looking for his first easy win of his career commented during the latter part of the game, "They can't blow it now—they just can't." Luckily darkness prevented Tech from blowing it completely.

A game was played yesterday against Redlands, the first conference game. The team travels to UR on Saturday to play a doubleheader. There will also be a game next week here against Cal Baptist. It will be on Tuesday, April 5, at 3 p.m.

## Trackmen Wipe Pasadena and BIOLA

Caltech defeated Pasadena College and Biola in a triple-dual meet at Tournament Park last term. Both Pasadena and Biola had weak teams this year, and Caltech romped, beating Pasadena 113-31 and Biola 198-36. Against Pasadena, Caltech took first place in every event except the 880 and the pole vault; against Biola, every event except the 100-yd. dash.

### Many firsts

Outstanding individual performances came from Doug Gage, Roc Levinson, and Pete Cross. Gage collected 30 points, winning the high jump (6'2"), the long jump, and the triple jump (42' 10"). Levinson got 20 points, winning the shot put and the discus. Cross won the mile and two-mile. Jim Stanley, who is finally getting into shape, won the 440 in 52.2. The hurdle events proved to be exciting matches between Caltech's own men. Gus Schultz nipped Tom Burton in the 120 high hurdles 16.5 seconds, while Pete Wyatt edged out freshman John Cummings by inches in the 440 intermediate hurdles. Cummings has improved steadily and should beat the old-timer by the end of

the season. The quarter-mile relay team of Wyatt, Lamb, Austin, and Harley ran its best time of the season, 44.1 seconds. Injuries hampered Caltech in the mile relay, but the team of Targan, Lamb, Austin and Stanley turned in a respectable 3:31.1.

### Cross beats four

During Spring Vacation Pete Cross ran in the College Division Steeplechase at the Claremont Relays. Cross took second with a time of 10:12.2. This performance placed him fourth overall (Open and Freshman divisions

included), defeating the entire track teams of four other colleges.

On the whole, the track team is beginning to take shape. Many of the veterans have been bothered by injuries, but this year's excellent crop of freshmen has more than filled the gap. Barring hell or high water, Caltech should win at least two or three of its remaining meets. Tech hosts Cal Poly April 9. We beat them by one point last year—the meet should be exciting.

## Next week in sports

BASEBALL			
Sat.	Apr. 2	1:00 p.m.	Redlands at Redlands (2)
Tue.	Apr. 5	3:00 p.m.	Cal Baptist at Caltech
CRICKET			
Sun.	Apr. 3	12:30 p.m.	Corinthians at Pierce Col.
Tue.	Apr. 5	12:30 p.m.	UC Berkeley at Griffith Pr.
SWIMMING			
Thu.	Mar. 31	4:00 p.m.	Pomona at Pomona
GOLF			
Fri.	Apr. 1	1:30 p.m.	Cal Lutheran at CLC

## Parker Bites His UFO

**Editors' note:** Parker has since been deluged by almost every news service and television station in Los Angeles and possibly more. In the television interviews shown Tuesday, March 29, he at first denied explicit knowledge of the UFO's origin, fearing FAA retaliation upon the culprits. However, the FAA has a sense of humor and Jim Gould, Doug Eardly, and Terry Warren quickly acknowledged that they instigated the whole hoax.

The news coverage quickly expanded until, by Tuesday, it included the **Independent Star-News**, **Los Angeles Times**, **KRLA**, **KNBC**, **KNXT**, **KTLA**, **KHJTV**, **KABC**, and **ABC** radio.

The essential story, as related last Tuesday by the three Teckers who were interviewed by ABC-TV, was that a large polyethylene sheet (nine feet by 12

feet) was cut up and reassembled to form an airtight balloon capable of holding the helium gas which was used as the source of buoyancy. A framework holding four red flares was suspended from the balloon so that the burning of the flares would produce a torque around the framework axis. Thus, as the balloon floated above Pasadena and San Marino, it spun around at about "ten revolutions per minute" (Parker) creating the illusion of a UFO to thousands of beguiled and gullible Pasadena and San Marino residents.

Eardly, Gould, and Warren have been busy with interviews and reporters ever since. Apparently, there is no end in sight; there is a strong possibility that a mock launching will be carried out under the cameras of the Huntley-Brinkley program.

Wonders never do cease.



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# ... without a baddle ...

by Fishbone

Vacation is over; that's for sure. The baseball team, thanks to some heads-up signal blowing, lost a chance for a victory over Azusa Pacific.

T'was a beautiful bunt by Azusa: right to the pitcher at twenty miles per hour. A fine job by Savas left Caltech with a tie game in the last of the last.

New scene: the friendly (sympathetic, blind maybe?) ump put a man on first for us. A moment later the baserunner was on third with only one out. The aforementioned bunt was so nice that our batter tried to and ul-

timately succeeded in duplicating it. Unfortunately though, an easy suicide squeeze turned into pure murder when the alert batter and his equally wary teammate on third each used profound genius in outpsychoing the other. Call time and ask the base coach? But that would have been coordination. Is the team afraid of winning? Is it pride, gentlemen? Remember, we all ask questions. Teams win; players do not.

This discussion of course does not lead us to the final chapter of the Drysdale, Koufax fiasco. Since we are on the subject though, consider the effects of the dispute on potential Little

Leaguers. No longer will baseball be the American pastime at which youngsters from six to sixty all play better than average. Fathers now can promote baseball as the new industry in which everyone can expect to earn more than average. Furthermore, we can expect to see the first female ballplayers; for what easier way is there to begin a movie career these days?

If the famous twosome were to bargain for themselves and did not have to give some small token of appreciation to a financial manager (How quaint. Are not middlemen bitchin'?) the Dodgers' offer and the two pitchers' current asking figure might be within some epsilon of each other.

But we have slung enough dirt this week; the time to troll on is here.

One CC and water, please.

My dear readers—the above is one of the most disconnected, nonsensical amalgamations of unadulterated absurdities it has ever been my unfortunate obligation to edit. My sincere apologies for its appearance, but an abundance of space necessitated a compromise of journalistic integrity. I pledge to fight vigorously any similar miscarriages in the future.

Michael Meo

My dear readers—the above is a very humorous and well written column. It is a relief to find such a fine bitchin' article after the usual piles of barf. I promise to campaign for more humor like this in "Other campuses" and "Brew-in's".

John Middleditch

## Caltech Hosts "Milk Wood"

Under Milk Wood, a play by Dylan Thomas, rich in detail and imagery will be presented by The Regional Touring Theatre, Inc. in Beckman Auditorium April 1 and 2 at 8:30 p.m. Thomas' "play for voices" had its first performances in concert form in New York with Thomas directing and reading several of the parts.

The play elevates a single spring day in a tiny Welsh fishing village into a work of universal significance. Lyrical, im-

passioned, and often hilarious, Milk Wood utilizes dramatic narrative poetry to express *joie de vivre*.

Pat Carroll with Richard Aherne will head a distinguished company of seven actors to create Milk Wood's many characters, who span the spectrum of human personality and emotion. This original and fully-staged production created for Caltech will be directed by Richard Bailey.

Tickets may be obtained at the Beckman Ticket Office at the usual student rates.

## New Findings on Quasars?

(Continued from page 1)

with a few new theories. One possibility is that red shifts may also be indicative of gravitational fields. If a quasar is a very compact, heavy body, its field may be strong enough to stretch the wavelength of light radiating from it.

### Deflating

A second possibility is that the red shift comes from a high collapse velocity; that is, the material of a quasar may be collapsing inward at a high speed and this could show up as a red shift. This has led Arp to theorize that when matter is exploded from a galaxy it spreads out but later collapses under its own gravity. This later stage could be the quasar.

The results of this four-year study by Arp led to many interesting possibilities. The first is that the red shift that is used as a standard may not have any real bearing on distances and velocities. Also, relative ages of galaxies may be indicated by the fact that some galaxies can equal enough matter to make new galaxies. This would possibly indi-

cate that spiral galaxies are among the youngest.

### Schmidt disagrees

Dr. Maarten Schmidt, Caltech astronomer and "father" of quasars, had this to say about Arp's findings, "I have had very little comment on this in the past and I think I will maintain that position . . . I think we were on the right track."

Schmidt pointed out that the new statistics have serious repercussions for radio galaxies as well as quasars. He said that although there is still doubt as to the various properties of quasars, radio galaxies and their properties were fairly well established. He likened this to someone questioning the hydrogen atom now.

Although Schmidt said he did not expect a rapid solution to the problem he did say that he thought the question would probably just evaporate. According to Schmidt, "Science often goes on and leaves behind unsolved problems."

Schmidt is continuing his own work on quasars now and not checking any of Arp's findings as yet.



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## INTERVIEWS

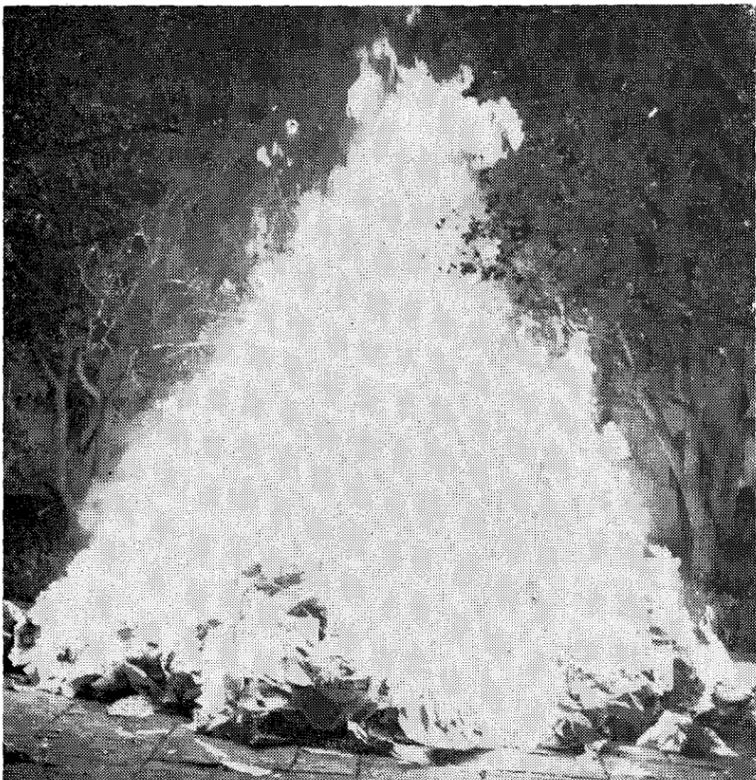
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Violent new volcano erupts suddenly under pile of old newspapers in Fleming House courtyard, only to relapse into dormancy again.

### Caltech Receives "Feynman" Grant

Future Feynmans gather 'round; Tech has more money for you, thanks to H. Dudley Wright, a friend of the recent Nobel Laureate. Wright has given the Institute a graduate student fellowship fund amounting to \$175,000, to be known as the Richard P. Feynman Fellowship. The grants, which would preferably be awarded to theoretical physicists, are to go to the grads "who best represent the standards exemplified by the man whose name it bears."

Wright, now a resident of Geneva, Switzerland, was formerly chairman of the board of Endeveco, a Pasadena electronics firm. He is now publisher of the electronics magazine "Orbit."

### More Notices

(Continued from page 1)

#### 1966 BUDGET REQUESTS

All campus organizations and clubs desiring money in the 1966 ASCIT budget should submit itemized budget requests to Sam Logan, room 50, Ricketts, by 9:00 p.m. April 11, 1966. If applicable, a statement of present financial status and expenditures should be included.

#### ATTENTION SENIORS FROM "BACK-EAST"

Why not try to get airline group rates for your families who may care to come out for graduation? All parents could get a chartered flight from N. Y., Bos., etc., on Thursday or so, return Sunday, Monday or even open-ended. Contact Ratner, Room 72, Ricketts.

### More Notices

#### "AN OLD STRATEGY FOR A NEW AGE"

is the topic to be discussed by Otto Helweg from Fuller Seminary at the meeting of the Caltech Christian Fellowship tomorrow noon in the Greasy. Mr. Helweg is a representative of International Students, Inc.

#### A PASSOVER DINNER

served in the traditional Sader style is available for those who contact Ned Hale by noon tomorrow.

#### THE TRUTH ABOUT THE DRAFT

Professor C. W. McCormick will speak on "New Draft Regulations for Students," Friday at the Frosh Dinner Forum, 6 p.m. in Chandler.

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## H5 Inflammation

by Fire Axe

Fleming held its traditional H5 party during finals week, with unusually spectacular results. Quite a few uninvited visitors, including the local fire department, joined the festivities.

To the uninitiated, an H5 party is where you get together the tons of *New York Times* that all the seniors have collected during the term for H5 (a useless course), wad them up loosely, page by endless page, and then set the whole pile on fire in the courtyard.

#### Double double toil and trouble

This term, however, some unexpected things occurred. First of all, the Fleming fire department neglected to water down the poor orange trees in the courtyard before the fire, resulting in some badly singed herbage. Then at the height of the blaze (see picture), the friendly campus guard, seeing flames towering above the roof of Fleming, summoned the Pasadena Fire Department. When the Fuzz and Firemen arrived, the fire was out, and all they found was a confused frosh extinguishing the orange trees.

And so, with the ashes gently floating down to earth, another season of H5 met its fiery death.



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