

## Wednesday Hook Lecture Draws Praise

BY DON GREEN

The Caltech YMCA scored its second success in its Leader of America series this year in its presentation of Sidney Hook. In his Wednesday night lecture entitled "From Marx to Lenin and Khrushchev," Mr. Hook spoke to a full and appreciative audience in Dabney Lounge. A noted scholar of philosophy and particularly Marxism, Mr. Hook maintains the essential difference between Bolshevik Leninism and Marxism gives the West one of its most potent weapons in its ideological conflict.

He stressed that Communism as it has been developed in Russia is actually contrary to Marxism, being nothing more than a socialism without democracy. In Mr. Hook's opinion, Marx sought not to end but rather to extend democracy. The Bolsheviks actually disproved one of Marx's basic theses by showing that politics could determine economics, but they only accomplished this through "rivers of blood."

**Lenin Amended Marxism**

Then Mr. Hook outlined basically what Lenin did to Marxism. First, the "welfare of humanity . . . rests upon the victory of the proletariat . . . upon the dictatorship of the proletariat." Second, Lenin maintained that "victory is impossible without the dictatorship of the Communist party," and this "dictatorship must be led by militant leadership." Third, the party must be "highly disciplined"—totally loyal to the central committee. Thus, as Trotsky later said in opposition to Stalin, "the central committee

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## IHC Decides on Action Plan

BY LARRY GERSHWIN

The IHC met Monday night to consider two topics: rotation, and the food problem after 7 p.m.

The discussion on rotation was aimed primarily at determining the procedure to be followed in attacking the problem of rotation. Emphasis was placed on attempts to find what connection, if any, exists between campus activity and rotation, including such activities as campus athletics. If the IHC ends up recommending rotation for next year, it will have to be able to demonstrate to the Faculty Student Relations Committee that a clear majority of the students want rotation. The lack of this clear majority was one of the major factors in the faculty committee's decision last year against rotation.

The IHC will be meeting frequently in the next few weeks to consider rotation. At the same time, House meetings will be held to discuss all aspects of the rotation issues. A decision will have to be reached in the near future, since the faculty committee has to have time to consider whatever proposals the IHC makes. The several rota-

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Pat Albee plays a prostitute, the female lead, in "Time of Your Life."

## Pat Albee Stars As Kitty In This Year's ASCIT Play

BY BRUCE ABELL

For the first time this century, director Mike Talcott, the boy-becoming-man wonder who has captivated most of the theatre-going public in Pasadena and parts of Alhambra, has to contend with a female lead in an ASCIT play who has as much interest in the theatre as does he. Pat Albee, who plays Kitty Duval, has such a long list of theatre credits that one can't help but conclude that she never bothered to investigate the record of performances of the world champion amateur acting group, affectionately called the Caltech Drama Club, before she tried out for her part.

Coming from Keene, New Hampshire, Pat had major roles in college (Bates, Lewiston, N. H.) plays—"Picnic," "Anastasia," "Lute Song," and "Under Milkwood." Two seasons of summer stock with the Yankee Players brought her fame (modest) in "Look Back in Anger," "Bus Stop," "The Lady's Not for Burning," and "Blythe Spirit." Later, she starred in "St. Joan,"

for the Chicago Shaw Society, and in "No Exit," "Doctor's Dilemma," and "Crimes and Crimes" for the North Shore Players (also Chicago).

Vacationing from her carefree, fun-filled life (well, Talcott's active in the theatre, and everybody knows how he lives), Pat spent two years doing Episcopalian missionary work among the Dakota Indians as a director of children's activities. She managed to produce and direct productions of "Peter Pan" and "The Wizard of Oz," utilizing the entire children's population each time (60).

In September of last year, Pat married Allan Roberts, a biology grad student, and found herself in Pasadena. Unable to work successfully among the Pasadena Indians (the ones who drive the 1937 Packards), she gravitated to the Pasadena Playhouse after a few months and was rewarded with the part of "a decrepit old hag" in the recent mainstage production of "The Dybbuk."

Pat is realizing a long-time

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## Techmen and Scrippsies Set Folk Song, Dance Festival

Singing and dancing will be the order of the day on Sunday, April 29, when the Y and Scripps throw their combined Folk Festival. Current plans include demonstrations of folk dances, entertainment by local folksingers, a free dinner, and lots of opportunities to wear out both voices and feet.

The Folk Festival starts at 2 p.m. in the Athenaeum parking lot. Since this is not a particularly good place for a Folk Festival, or even for the parking of cars, the latter will journey to Scripps and meet the more-than-30 Scrippsies who also are interested in spending an afternoon singing and dancing. Not far away from the Scripps Halls is a small Greek-style outdoor

theater, surrounded by trees and grass, which will host the Festival. There will be of room for wild folk dancers and strong-voiced folksingers. The Festival will include a burn-it-yourself hot dog dinner, and will continue as late as Techmen and Scrippsies are there.

**Talent Wanted**

Folksingers are needed for the afternoon show at the Festival. "You don't have to be particularly ethnic," commented Festival chairman Barry Gordon, "as long as you're entertaining." Those who think their singing is entertaining are invited to audition for Gordon. Talent should be at least commensurate with the pay.

## Tech Draws Praise For Performance At 12th Model UN

Caltech's Model United Nations delegates, representing diametrically opposite countries, fought each other viciously and verbosely at the XII annual conference last week. Representing both South Africa and Gabon, the former delegates found themselves in the midst of all out assaults on their country's policies in two of the six committees while the latter delegates led the attack. In the process both delegations managed to distinguish themselves and earn the praise of many delegates from other schools, including the Secretariat from San Diego State, conference host.

**Meeting Blows Up**

Until a disastrously mishandled General Assembly meeting on the final afternoon during which the delegates managed to confuse the President of the Assembly and the Parliamentarian in a complex of parliamentary procedure, the session was the best in years. The delegates seemed more intent on striving for a more realistic and academic Model UN than in the past, with fewer parties and more intense politicking. The Caltech contingent happily adapted to the situation, with South Africa missing by just one vote from preventing any action being taken against her at all (in the real UN the votes against South Africa are on the order of 95-2) and Gabon managing to assume a large portion of the leadership of the powerful African bloc of newly independent countries.

The most vigorous action took place in the Special Political Committee, where discussion about South Africa's apartheid policy consumed two-thirds of the committee time, and the Trusteeship Committee, where the question of South African control of their mandate, South West Africa, was discussed. Able

politicking by Bob Koh and Lance Taylor held the losses to a minimum in the Special Political Committee, where a resolution only slightly stronger than those passed by the United Nations in the past was almost defeated. In the Trusteeship Committee, a similar resolution concerning South West Africa passed by only two votes, thanks to the efforts of Jim Johnson and Marty Hoffman.

**Resolution Passes**

In the General Assembly, after lengthy debate, a resolution condemning South Africa passed by

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## Notices

**HELP AGAIN**

The Josh White Concert will be held on Friday, May 18. About 25 volunteers are needed to work on publicity. Anyone interested should contact Marc Kaufman in Fleming.

**Y WANTS YALE CHORUS PHOTOS**

As an appreciative gesture to the Yale Russian Chorus, which sang her several weeks ago, the YMCA would like to send them pictures of their visit. Any information about pictures taken, particularly at the concert or at the party held afterwards in the Page House lounge, would be appreciated by the Y (ext. 555), or see Victor Sirelson in Blacker.

**FEYNMAN GETS LAWRENCE AWARD**

Dr. R. P. Feynman, Richard Chase Tolman Professor of Theoretical Physics at Caltech, has been honored with the Ernest Orlando Lawrence Memorial Award by the Atomic Energy Commission for significant contributions to nuclear science. Feynman is best known for his work on quantum electrodynamics and his currently developing quantum theory of gravitation; the award is specifically for his contributions toward the understanding of the behavior of sub-nuclear particles.

Other winners of the Lawrence award this year, which will be presented April 23 in Washington, D.C., are Dr. H. F. York, UC-La Jolla; Dr. A. A. Benson, UCLA; Dr. H. Goldstein, Columbia University; and Dr. T. L. Turkevich, UC-Berkeley. The award carries with it grants of \$5,000 for each winner.

**NEW DISPLAY IN DABNEY LOUNGE**

The exhibition, STAIRS, is now on display in Dabney Lounge. Circulated by the Museum of Modern Art, New York, the exhibit consist of 36 photographic panels ranging from an artist's reconstruction of the Tower of Babel to the interior of the Guggenheim Museum in New York. STAIRS will remain on view through May 5.

**GIVE TECH COPIES**

The California Tech office is in desperate need of copies of the March 29 issue of the Tech (the one with the article on Saga). It would be greatly appreciated if any extra copies would be turned in to the Tech office. They are needed to send to advertisers as proof of advertising, for billing.

## Chess Tourney In Full Swing

The second annual Caltech Chess Tournament, which began April 9, is now in full swing. Twenty-two players are competing in the tourney, which should last for another four or five weeks. The tourney consists of five rounds in the Swiss system.

Contrary to the trend last year, where the majority of the participants were either beginners, or had had little tournament experience, the competition this year is expected to be considerably stiffer. Twelve of this year's competitors for the perpetual trophy are grad students, four of whom have USCF experience, playing high in the Pasadena Chess Club. Thus it is not expected that Fletcher Gross, last year's winner, will carry off this year's trophy as easily as he did last year.

## Editorial

## Here We Go Again

Once again, discussion in the IHC has begun on the oft-argued subject of rotation. And again, it is time for students to reach their own opinions on rotation—both for their own edification and to help the IHC (as well as the faculty committee) reach their decision.

In any case, the time for discussion is **now**. Discussion is not intended to carry on for weeks and weeks and weeks this year; the intention is instead for a few weeks (or perhaps just a few days) of intense arguments with a unified decision reached in a short period of time.

It is especially important that those who support rotation make themselves heard, for the faculty committee will be looking for enthusiastic support of rotation before they will allow it. In the same vein, those who are against rotation should be equally vocal—lest they be drowned out by those in favor and get something whipped by without adding their comments.

Following this encouragement of opinion-expressing by students, the **Tech** will also take a stand on the matter of rotation. The viewpoint of the **Tech** will be expressed next week in a special editorial, and it is hoped that the reasons expressed at that time will serve to stimulate constructive discussion on the important matter of rotation.

Perhaps we may even convince a few people.

Richard Karp  
Larry Gershwin  
J. C. Simpson

EDITORIAL  
POLICY

For the information of its readers, the **Tech** presents the following summary of its editorial policy:

The first signature following an editorial indicates the author of that editorial. The following signatures, if any, indicate approval by one or more of the other editors. If all three editors sign the editorial, that editorial then represents the opinion of the **California Tech**.

In general, column writers have complete freedom as to the content of their columns. No column will be eliminated from any issue of the paper solely because of the opinions represented in that column. Unless explicitly stated otherwise, however, column writers represent their own opinions only and not the opinions of the **California Tech**.

The **California Tech** welcomes all letters, whether or not they agree with editorial opinion. Letters are edited (or left out) solely on the bases of space, decency, and the desire to present letter opinions in proportion to the amount of mail received. As with columns, unless explicitly stated otherwise, the opinions stated in letters are not those of the **California Tech**.

## Letters

Sirs:

For the second time in less than five months, the high opinion I once held of the student body of the California Institute of Technology has been shattered to the point where I wonder just what kind of citizen the Institute is breeding. The outrageous conduct of some of the students at the C.M.C.-Caltech football game in November was the first incident of a derogative nature to Caltech's reputation. Admittedly, they were a small portion of the student body, but nevertheless, they were C.I.T. students, sitting in the C.I.T. rooting section, bringing nothing but disgrace to the rest of their school.

A second incident, one which involved me personally, occurred two weeks ago on Friday, March 30. This was the robbery of three members of the Claremont Men's College swimming team during a swimming meet at the Caltech pool. The theft involved wallets and their contents, and although the money taken was not of an excessive amount, there were numerable effects taken, of considerable value to the rightful owners. This theft is a direct reflection upon the entire student body, although undoubtedly only one or a few students were involved.

My question is: What happened to the wonderful Honor System, "an outstanding tradition" formerly so widely acclaimed, that is supposed to govern the conduct of all students and be the "code of behavior governing all scholastic and extra-curricular activities (page 144 of the current C.I.T. bulletin)?" Granted that it was only a small group of students involved in the two incidents I have mentioned, but their actions have led to the disgrace of all in my eyes and those of others.

It is up to the entire student body to cooperate if there is going to be an effective and praiseworthy Honor System. Therefore I suggest that the majority of the student body who desire to have their school acclaimed for its fine academic and extra-curricular achievements, take it upon themselves to expose those few who have chosen to undermine Caltech's reputation. Only by a concentrated effort of all can the injurious few be made to correct their damage of the Institute and its relations with other colleges and individuals.

Respectfully yours,  
William Gates  
Claremont Men's College

Sirs:

In reading Mr. Gates' letter, I feel that the point to be kept in mind is that there is no direct evidence that a Caltech student was involved in the theft of the wallets. Thefts by "outsiders" are not as infrequent as we should like to believe, especially on weekends in the gym, when many strangers are around the locker rooms.

To suggest that our Honor System is breaking down, or that we are "breeding" dishonorable citizens at the Institute on the basis of the events of March 30 is at best a bit irrational, and at worst an insult. These events are being investigated, and should evidence come to light that a Caltech student is involved, the Board of Control will proceed accordingly. Until such evidence is brought forward, however, I fail to see any breakdown in the Honor Sys-

tem.

We at Caltech are, with reason, proud of our Honor System. As Mr. Gates suggests, with the continued co-operation of all the students, the Honor System will be as successful in the future as it has been in the past.

Thomas T. Bopp  
ASCIT Vice President  
Chairman, Board of Control

Editors:

A subcommittee of the famed House Committee on Un-American Activities will be conducting hearings in Los Angeles next week. These hearings will be held in closed sessions at the Federal Building from Tuesday through Friday, beginning at nine o'clock each morning. They will be the first hearings conducted by the Committee outside of Washington, D.C., since those resulting in the much publicized demonstrations in San Francisco two years ago. The HUAC has subpoenaed sixty witnesses from organizations including peace groups, the Fair Play for Cuba Committee, and a local steelworkers' union.

Over three hundred students from various colleges met last Monday at the First Unitarian Church in Los Angeles to discuss methods of protesting the hearings. These students are hoping by their actions to persuade the Committee not to come to Los Angeles. They urge that letters and telegrams be sent to Attorney General Bob Kennedy in opposition to the planned hearings here.

It is likely, however, that the hearings will not be called off. Several protest activities are therefore being scheduled for next week. There will be a major rally Monday night beginning at 7 p.m. in the Old Plaza at Sunset and Main in Los Angeles. Picketing will begin at 8:30 a.m. Tuesday morning outside the Federal Building and will probably continue for the length of the hearings. The picketing will be organized according to the principles of non-violent action. Students are urged to bring their own signs provided these are not unreasonably extreme, but there will also be a sign-painting party tonight at 4457 Lexington in Los Angeles.

Contact Al Bernstein in Blacker House if you are interested in picketing the Committee or would like additional information on the hearings themselves.

Larry Rabinowitz  
Al Bernstein

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AUDIENCE

By Steve Schwarz

THROUGH A GLASS DARKLY  
at the Sunset Theater

This latest etude of Ingmar Bergman seems to mark a return to his early realistic style, and for that matter, almost back to Ibsen's. It is a painstaking study of mental illness and its effects on those nearby. Never has he been more meticulous and documentary in underscoring the facts of life; nothing is spared, a superbly polished mirror is held up to grisly nature. As always, Herr Bergman is the best of technicians; but technology is not enough. What makes this film only "good" instead of "great" is its lack of human feeling.

The story is set in the isolated seaside home of an elderly writer (Gunnar Bjornstrand), his young son Minus (Lars Passgard), daughter Karin (Harriet Andersson), and her husband (Max von Sydow). Karin seems a happy, healthy girl, playing kittenishly about; but she has an incurable mental illness. As time passes, small eccentricities in her behavior appear, and inevitably grow. Her husband is helpless; her little brother strives vainly to believe nothing is wrong; her father cruelly wishes to "observe" her as a subject on which to write. The disease progresses: there comes despondency, then hysteria and schizophrenic withdrawal—she is alone in a room where God is about to appear. Her love for her

husband is lost, perverted into incestuous lust for her hapless brother. We see the dissolution of a human being before our eyes. It is an awful sight.

In their supporting roles Bjornstrand and von Sydow are wonderful, as usual. But Miss Andersson, although frightening, never succeeds in becoming pitiable or moving. I think the fault is not hers, but Bergman's—for throughout this film his style is not the moving one of *Seventh Seal* or *Wild Strawberries*, but the documentary style of his older movies such as *Brink of Life*. We are never taken inside poor Karin to see why she must suffer, because there is no reason to do so. She has a hereditary disease, she must suffer, we see her suffer. A follows B follows C. It is necessary, it is unfortunate—but still Karin is only an automaton. The greatest actress could not make her really moving.

Bergman's famous symbolism is not much in evidence this time either, except for one very striking scene which I'll not spoil by telling about; and in keeping with the clinical style much of the soundtrack is nerve-racking silence. When the lights come on one knows the master has been at work; but he has produced a **sight**, not an **experience**. Which shows that great films are hard to make, even for Ingmar Bergman.

Glee Club To  
Give Concerts

The Caltech Glee Club will present its annual spring concert on Friday and Saturday evenings, May 4 and 5, at 8:15 p.m. in Culbertson Hall. Admission price is one dollar. Undergraduate students will be able to obtain free tickets for themselves, though not for their dates, through the resident associates.

The program will feature a wide variety of music—secular and sacred, classical and modern. Featured soloists will be Jim Davis, tenor, and Tom Bopp, baritone. Accompanist Gary Lorden will also perform. The Caltech Quartet and a newly-formed Madrigal Group will round out the special numbers.

The Glee Club this year is under the direction of Mrs. Priscilla Remeta. The regular director, Mr. Olaf Frodsham, is on leave studying music in London. Mrs. Remeta graduated from Occidental College with a major in music. Since then she has studied both in this country and in Europe. She has taught in schools in central California for several years with amazing success.

## Eight Day Tour

The Glee Club spent the spring vacation on an eight-day tour, giving some twenty-one concerts in schools, churches, and public auditoriums throughout the state of California. To warm up for the concerts here on May 4 and 5, the Club will spend April 28 at the Southern California College Glee Club Festival. At this gathering, some twelve to fifteen Glee Clubs from colleges in this area will perform. It is being held this year at Long Beach State College.

## California Tech

Published weekly during the school year by the Associated Students of the California Institute of Technology, Incorporated.

## Editors-in-Chief

Larry Gershwin, Richard Karp, J. C. Simpson

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Circulation: Howard Monell

California Tech, 1201 East California Blvd., Pasadena, California.  
Member of The Associated Collegiate Press  
Second Class postage paid at Pasadena, California  
Printed by Bickley Printing Co.  
Represented nationally by National Advertising Service, Inc.  
Subscriptions: \$1.00 per term, \$3.00 per year. Write: Circulation Manager.



# a hand of BRIDGE

BY JOHN NEWMAYER

NORTH

S-K 8  
H-K 10 9  
D-A J 4  
C-A J 10 5 2

WEST

S-J 10 5  
H-7 5 2  
D-9 7 6 3 2  
C-4 3

EAST

S-Q 6  
H-A Q J 6 4  
D-Q 5  
C-K 8 7 6

SOUTH

S-A 9 7 4 3 2  
H-8 3  
D-K 10 8  
C-Q 9

North-South vulnerable. West deals.

WEST	NORTH	EAST	SOUTH
P	1 NT	2 H	4 S
P	P	P	

Opening lead: Deuce of hearts.

East's two-heart overcall is careless; even though his 14 points, good hearts, and non-vulnerability make him reasonably secure as a competitive bidder, he should realize from the previous two bids that North-South are odds-on to play the hand. His bid, therefore, does harm in that it gives away the location of the strength in the East-West partnership.

Assuming "everything" is in the East hand, as can be inferred from his bid, declarer has four losers: a trump, two hearts, and a club. There is a way out of one loser, though: if East takes his two top hearts, dummy's king will be set up to sluff a losing club on. Accordingly, South plays low on the opening lead, and East's jack takes.

The "echo" signal system gives the show away to East, however, for West's lead of the heart deuce indicates the start of a low-high signal and hence possession of an odd number of hearts. Thus South has a doubleton; thus hearts must not be led or South will get a free sluff. East exits instead with a diamond to dummy's jack.

South has a second way out. He leads dummy's ace of clubs, dropping his queen, then leads the club deuce toward his hand. This bold "reverse finesse" tempts East to play low, as declarer appears to be trying to set up clubs for a heart discard, by trumping them. If West carefully drops the club four on the first club trick, however, the cat is again out of the bag; for this is the beginning of another echo—this time a high-low, signalling an even number of cards in the suit. So East steps up with the king of clubs, takes his heart ace, and leads a club through South to assure a trump trick and the setting of the contract.

## From Other Campuses

By Richard Karp

With the coming of spring-time, college newspaper editors' fancy turns to April fool editions. An example of this is in Georgetown University's **Courier** for April, 1962. In their mock editorial, the **Courier** writes: "We do not shirk controversy. We will print anything submitted by our students or any news of the campus, providing it is written in Elizabethan English; uses no words under three syllables; avoids issues of a political, social, economic, or religious character; does not cast disfavor on a student, teacher, member of the administration, or institution of the University; is typed on red, white, and blue paper; and passes our censors. We aim for a courageous stand on important issues."

More April Fools

In the same vein, the mock "Tochnelegy N'ows," from the Illinois Institute of Technology on March 30, 1962, reports on an interesting new invention: "Dr. John Dahalyon, professor of slidrulology and researcher at Armour Foundation Company, a well known basic research organization, announced today that he has invented (on his own time and in his own basement) an antigravity device capable of nullifying the force due to gravity on any object no matter how large.

"Dahalyon noted that the biggest problem he had to overcome on his project was getting it out of the basement. 'I discovered I couldn't get it out of the door,' he said with a sly chuckle, 'so I turned on my anti-grav (that's

what I call it, my anti-grav) and lifted the building up around it so I was able to drag it out. It was quite a job too; it's heavy.'

"I think I could have found a better solution to the problem though because I forgot to disconnect the plumbing and it was quite a mess when all the pipes broke.' Dahalyon resides at the Conrad Hilton Hotel."

Political B.S. Dept.

Not an April fool issue, but just as interesting, was the statement made by Rich Bell, victor after "two weeks of feverish political activity" that preceded his election as Student Body President of the University of Santa Clara. His election statement, as reported in the April 6 **Santa Clara**, somehow seems familiar. Bell's precious statement was "The student body can be assured I will carry out every one of my campaign promises to the best of my ability. This is a tremendous honor that will be repaid in next year's student government."

This statement so moved the staff of the **Santa Clara**, that they felt it necessary to contribute another sparkling gem of original editorial writing by saying in part that "It was stated last week and will be stated again this week that we expect every candidate to fulfill his campaign promises to the letter.

"This is especially true for the ASUSC president for the management of his job involves the success of student body government in the coming year. He must tighten and reinforce the

(Continued on page 5)



BY JOHN BERRY

The incidents which led to the parking riots have had a very heartening effect on me. Before then I had thought that only the undergrads were second-class citizens at Caltech. The fact that the undergraduate school is limited in size and will continue to be coed-less while neither of these is true of the grad school made me fix my attention on the grads as being a privileged class. Perhaps they are, but surely the closing of the Greasy is as harmful to them as to us, and the parking riot demonstrates their grievances are as great in that field. So the question arises, "For whose benefit is the Institute being run?"

Surely not the Physical Plant people, I'm sure that if left to themselves they could figure out much more fascinating things to do than change the sand in the Olive Walk (a true sign of spring). Or even than to carry ladders around—no doubt in hopes of providing such repartee as this overheard gem: (B&G person to other B&G person carrying ladder) "What you got there?" (B&G person carrying ladder) "A ladder." (Exit, opposite sides of stage.)

Surely not the faculty, such a bore, changing texts and/or courses every year. And grading papers, even by the "percentage of agreement with what I said in class" method.

No, no, better we drown our sorrows that we have no such ego-boosting position as God, even of so small a universe, in a Cucumber, or, if they're big sorrows, in an Earthquake.

CUCUMBER

1 oz. green creme de menthe  
1 oz. white creme de cacao  
1 oz. brandy  
1 oz. cream

Shake well with ice and strain into large champagne glass.

EARTHQUAKE

1/3 whiskey  
1/3 gin  
1/3 pernod

Shake well with ice and strain into glass.

If you drink them too fast you'll feel like the roof fell in on you, and if you drink them too often you'll wish it had, the next morning.

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CALTECH STUDENTS AND FACULTY

## graduate rattle

BY FLETCH MURPHY

After losing out in a photo finish with an ad for Copenhagen Snuff two weeks ago, and mysteriously disappearing from the Tech Office a week ago, causing the writer and the editors to exchange kicks in the shins, this column renews its bid for survival.

In regard to graduate riots, there seems to be another one brewing. Several more of the over-emotional and under-rational element have expressed displeasure at the fact that several of the washing machines in the graduate Houses are out of money, and therefore out of commission. They are threatening not to wash their clothes until after some action is taken, perhaps several months after. This isn't surprising, though. This is the same group that thinks toothpaste is some sort of adhesive used by dentists, whatever they are.

It was a fine Academy Award Ceremony with Stanley Berman

crashing in style and presenting Bob Hope with a trophy. But Caltech's outraged and unkempt Mr. X didn't make it. He was sore at not being nominated for Best Actress and Best Costuming. Everybody will be watching for him at this Saturday's INA Party. With telescopes. Mounted on their rifles.

The MJ Kitchen reports discovery of a pea in the oven with an estimated Agresti Number (Modulus of overoxidation) of about twelve. Nice work fellows. Now try this one. A prize is being offered for the highest Agresti Number of a TV dinner which is later eaten. Only it must be eaten by a human being. Contest closes in two weeks.

About a month ago, the gardeners removed a dead tree from beside the patio between Braun and MJ, and replaced it with another dead tree. Just a week ago, it had some leaves all of a sudden. Everyone's waiting to see how Scotch Tape stands up during a rain.

## Board Of Directors Fills Offices; Decides Dates For Next Elections

The appointment of most of the remaining officers was the major topic of business of the ASCIT board meeting Monday night. The appointments were William Zame, gameroom chairman; Dave Ollis, Big T Business Manager; Rodger Minear, election committee chairman; and John McCoy, darkroom chairman.

The members of next year's Educational Policies Committee were also named. These are Dave Holtz, Barry McCoy, Chuck Minichiello, Art Turner, Hans Mattes, Rodger Minear, Keith Gillen, Dallas Meggit, and Mike Ball. Two sports officers were also appointed; Bill Burke was named Varsity tennis manager and Tom MacDowell was named Head Yell Leader.

## Vacuum Switch Rediscovered

The vacuum switch, which was invented 39 years ago by Dr. R. W. Sorensen and the late Dr. R. A. Millikan at Caltech, was put into system test operation for the first time this month.

By employing a high vacuum as an insulator instead of oil, the new design is expected to provide a smaller, simpler, and more efficient circuit breaker than any plan heretofore used.

Why a 39 year lag between invention and use?

The answer lies in the composition of the metal contacts in the switch. Impurities in the alloys employed must be kept on the order of one part per billion, since gases would otherwise form and spoil the vacuum. Alloys of this purity were unknown when the switch was invented, but recent developments in metallurgical engineering have produced the necessary items. The new versions, employing the above-mentioned high purity contacts, can handle 43,000 amperes probably at any voltage.

## Pool Doubles As Dance Site

Plans for the Frosh-Soph Hop have finally been made. This was largely due to the good graces of ASCIT Board of Directors, who loaned the incompetent frosh \$200 to carry out their plans. This \$200 was to replace the frosh class dues which were not collected on the term bill.

The dance will be held at the Alumni Pool from 9 to 12:30, Saturday, May 12, the same night as the Junior-Senior Prom. Tahitian Holiday was chosen for this year's theme, supplying an evening of swimming and dancing. The pool area will be decorated like a South Seas island beach and there will be a dancing floor in the pool area. Music for the evening will be recorded and piped into both the pool area and the refreshment area outside.

Refreshments during the dance will be served outside the pool area throughout the evening. There will be facilities available for students and dates to change for swimming, and towels will be supplied. Dress, naturally, will be casual in keeping with the general theme.

# Hook Tells Views On Marxism

(Continued from page 1)

replaces the party, and the dictatorship replaces the central committee."

Mr. Hook then explained what this means to America and the free world. The Communists, he said, possess a fanaticism of program with a predetermined end, and will employ any means to accomplish this end. Communism justifies its internationalism because of the threat of encircling capitalism, and thus is in a "state of undeclared war against the West." But the West must not lose hope and must strengthen its democracy. Fear of defeat is the only hope for possible moderation of the Soviet line. Encouraging statements from Premier Krushchev support this hope, he maintained. He concluded by emphasizing that there would be war only if the West loses its courage to resist.

## We Can Defeat Ourselves

In his final lecture last Friday night, Professor Hook spoke on "Sense and Nonsense About Communism." In the more informal atmosphere of the Athenaeum Lower Lounge, Professor Hook seemed to lose his apprehension and express his views much more poignantly. He first pointed out the gravity of our situation. First, Russia possesses an unprecedented capacity to destroy our national existence. Second, she combines this power with a hostility and dogma of world domination. Third, the United States stands as her only obstacle to that goal.

Considering America's own global power, he then outlined the ways he considered in which we can defeat ourselves. First, through ignorance — America's "lack of knowledge must be recognized." He said it was absurd to question the patriotism of past leaders, only their lack of knowledge of the enemy. He cited as an example Truman's almost complete ignorance of the Communist menace in 1945 when he was much more worried about British imperialism. The second way we can defeat ourselves, he continued, is "by blind panic . . . fear of Soviet threats . . . fatalism," developments which "can often have fatal effects on a nation." And the third way, he concluded, is "by boredom." He decried the flagrant use of irresponsible accusation made by "political Neanderthals and cultural vigilantes."

## Freedom of Belief According to Conscience

He then brought up an interesting opinion—that this rightist exploitation has actually been caused by liberals who have failed to satisfy the country's need for knowledge. He disagreed with those who identify the issue of freedom with the idea of "freedom of free enterprise," those who foresee the "preservation of capitalism at the expense of socialism." "Freedom does not coincide with any particular economic system," and it is not "a choice between Christianity and atheism" as President Eisenhower once said, Professor Hook declared. What is really the issue is man's "right to believe or disbelieve according to one's conscience."

The complaints of those who decry America's freedom are both "disingenuous and inconsistent," Mr. Hook maintained. The position of genuine pacifists is consistent but it is inadequate. "Pacifist positions only endanger

our freedom and encourage increasing Soviet intransigence." He finds no justification for those who have attempted to rewrite Cold War history in order to show that the Communists have reasons for distrust.

## Passive Resistance Cannot Succeed

At this point, Dr. Hook came into contention with Eric Fromm, who suggests that our distrust of Russia has reached paranoia and urges unilateral disarmament. After expressing his doubts with regard to the application of psychology to politics, Dr. Hook stated that such an argument does not make sense with Communist actions and philosophy. Passive resistance has never succeeded in the past against totalitarian states and, he concluded, in the face of modern technology can never succeed.

He then restated his belief "that there will be no world war as long as the Communists never feel that they can bomb with impunity." Many developments he maintained, especially those in China, may make the Soviet Union apprehensive and thus more open to negotiation. He concluded with his basic theme — America must strengthen her deterrent, for our "greatest danger is to lose our nerve . . . and ultimately to succumb to the nonsense about communism."

# Malthoane Has Cause of Cancer

BY STEVE SCHWARZ

Dr. Courtleigh Malthoane, well-known Opto-Electrical engineer and Fellow of the I.R.E., addressed the combined electrical engineering and biology seminar in 152 Keck last Monday. His lecture was entitled "Correlation of Fluorescent Illumination With Optical Carcinoma."

In his talk he gave some preliminary results of his research on the biological effects of the blinking of fluorescent lamps. It has been shown by means of studies on *Eurechis caupo* and other obscure beasts that a direct relationship exists between the blinking rate of these lamps and the development of abnormal symptoms in eyes which are exposed to them. Some of the effects noted are eye fatigue, progressive myopia, and opto-carcinomic blastoma, a form of eye cancer.

To a first approximation, the frequency seems to be related to tumor formation by a three-halft power law. The experiments with *eurechis* have shown that constant exposure to ordinary fluorescent room lighting produced blastoma within two years in 16.7 per cent of the subjects. Approximately an additional 21 per cent developed various other symptoms to a more or less acute degree. Dr. Malthoane feels that his experiments may lead to important changes in common house lighting.

Dr. Malthoane is best known for his researches in the fungology of cancers in vertebrates. He has also invented a derivation of the paraxial ray equation using only Newton's laws and high-school arithmetic. He is presently employed in the sales division of the Wolfram Tungsten Corporation.

## LITTLE MAN ON CAMPUS

by Dick Bibler



"COME ON NOW—WHICH ONE OF YOU GUYS HAVE OUR 'CLASSIC COMICS'?—WE GOTTA STUDY FOR A LIT TEST TOMORROW."

# Dinner Forum Marks Concern About Sex

BY FRANCIS WILSON

Last Monday evening, the Y Dinner Forum held its initial discussion in Chandler Dining Hall. Well over fifty students listened as Dr. John Hutchison, Chairman, Department of Religion, Claremont Graduate School, and Dr. Phillip Wells, M.D., gave introductory statements on the Forum topic, "Sex and Ethics." After this introduction several of the students began asking general questions, taxing the good doctors on some of their points, and making statements of their own beliefs.

Dr. Hutchison began by stating that he thought that sexual ethics was a subject traditionally badly mishandled. He then mentioned some relatively new perspectives on the subject: technical, birth control devices, artificial insemination, and the use of chemicals; Christian, specifically the re-interpretation of Christian ethics by such men as Niebuhr and Tillich; and psychological, the incorporation of the theories of Freud and his successors into everyday thought.

## Hutchison Develops Ethics

He spent much of the rest of the evening developing the basis system of ethics, which might be described as modified axiological nomothetic relativism. A relationship is good or right if it preserves or promotes openness and human dignity; it is bad or wrong if it is a dehumanizing relation, that is, if a person uses

someone, including oneself, as a thing.

Dr. Wells, a psychiatrist, was a moderating influence throughout the discussion. He spoke about the great effect on an individual of the cultural matrix of a monogamous society and the background belief that sex is bad.

Next Monday evening, the Y Dinner Forum will present its second of the series. Dr. John Weir, Dr. Dan Siegel, and a student panel will discuss "Sex and Emotional Health."

# IHC Meeting

(Continued from page 1)

tion proposals may be submitted to a ballot of the student body in order to give the IHC figures on student opinion.

## Food Concessions

On the food problem, the IHC came out in favor of allowing student concessions for the remainder of this term. Suggestions that have been proposed for next year include having a large selection of vending machines in a lounge in Winnett Center so that students will have a place to get together over a cup of coffee and hold bull sessions that are traditionally held either in the Greasy or in students' rooms. The IHC is interested in having the concessions next year also, because the people running the concessions would be more responsive to the needs of the students.

Something like coffee, however, which cannot be handled by concessions, should be served by machines in Winnett Center. The IHC is primarily concerned with serving the needs and interests of the students, which it feels can be done best by having concessions.

# Tech Golfers Beat Whittier

BY FRANK SCHULTZ

The Caltech golf team broke into the victory column with a 30-24 win over Whittier on the Brookside course Friday, after four straight losses in league play.

Ken Larson shot a 90 to lead the team, and got fine support from the bottom four men. Larson and Frank Schultz contributed ten points in the first twosome, and Dave Hyde and Chuck House brought in eight more to tie the match at 18 all. Harold Haskins and Fred Dorr, playing fifth and sixth positions, both shot fine 96's to chip in twelve points and wrap up the match. The win boosts Caltech into a three-way tie for fourth place at the half-way mark of the season.

In a rematch with Occidental last Tuesday at Brookside the Beavers fared worse, losing 47-7. Ken Larson led the Beavers with a 91, while Occidental's fine sophomore, Allan Hamilton, fired a brilliant 76.

Scores have been soaring lately. Brookside's long course has been turned into a veritable nightmare by the recent hot spell. The greens hold pitch shots like an asphalt driveway and putts in much the same way. This should give the Beavers a decided home course advantage Friday against Claremont, but the Stags thrashed Oxy and appear sure winners.

# ROTC Visits Air Academy

BY JOHN TURECHEK

Last Thursday and Friday, six Techmen, anxious to escape the wonderful intellectual atmosphere of the Caltech campus and to see what other campuses are like, visited the Air Force Academy in Colorado Springs, Colorado, at the expense of the Air Force. The six hour trip was made in an Air Force C-47 which left Norton Air Force Base early Thursday morning.

During their visit the group, which also included ROTC members from Oxy and USC, was housed in the luxurious visiting officer's quarters. These and the officer's club in which they were sumptuously fed were located a convenient five miles from the academic area.

The planned program included a short orientation bus ride, a tour of the Academy, and a film on the aspects of cadet life. Some of the highlights of the tour of the Academy were the recreational facilities and the new microfilm library. In addition to the planned program, the group was given Thursday evening free to enjoy themselves as they pleased around the Academy. Most used their time to join in informal "bull sessions" and poker games. The trip was topped off by a view of the entire cadet corps in their daily noon meal formation.

# Prom Features Vocalist, Band

The Junior-Senior Prom, second only to Interhouse Dance as the top social event of the year, will be held on Saturday, May 12, at the Huntington-Sheraton Hotel Ballroom. The entertainment will feature vocalist Diana Lee and the ten-piece orchestra of Carroll Wax. Miss Lee has recorded with Frank Sinatra, Peggy Lee, Nelson Riddle, and Les Baxter. There are only three weeks left until the dance, so dates should be secured soon for the last big dance of the year.

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# SPORTS



Geary Younce sails over the low hurdles.

Photo by Thor Hanson

## Tech Spikers Whip Pasadena, La Verne

The Caltech varsity track team looked very impressive in a triangular track meet held at Tournament Park last Friday as they overpowered Pasadena College and La Verne by scores of 72-59 and 80-50 respectively. It was a field day for Tech trackmen, as the freshmen had no trouble in trouncing the Los Angeles Pacific varsity 85-44.

George Radke came through again with his usual fine performance in winning the shot put with a heave of 46' 11 1/4" and the discus with 138' 2 1/4". George Soule gave Radke strong backing in the discus by taking second with a good throw of 122' 6".

In the 440 Will Saam led all the way to win with a time of :52.4. Close at his back throughout the race was Charley Ryavec, who easily took second. Sophomore Thor Hanson gave support in the distance events by taking second in the mile and two mile runs. Right behind Hanson in the mile was John Caywood, while Dennis Holt took third in the two mile. Bill Hassenzahl placed a strong second in the 880 in 2:06.2.

Veteran Geary Younce looked very good in the broad jump with three leaps well over 21'; however, he had to settle for second place 1 1/2" behind a La Verne man. Younce also took a third in the 220 low hurdles. In the high hurdles John Curtis was second in the time of :16.8. Showing continued improvement with the javelin, Bill Schoene took second in that event while Hal Petrie was third. Both Ed Cline and Steve Gorman scored in the pole vault as they tied for second at 12'.

### Frosh Win Easily

The freshmen won twelve out of fifteen events in downing LA Pacific. Jon Evans led the frosh by claiming firsts in the shot put, discus, and javelin with distances of 358 1/4", 122' 0", and 148' 9 1/4" respectively. Neal Wright won the mile in a good 4:44.9 and came back later to take the half mile in 2:03.5.

In the hurdles, Al Cooper ran away from the field in the 220 lows in :26.5 and won the highs in :18.0. Cooper also placed second in the discus. Sprinter Jim Stadler came through with a first in the 100 and the broad

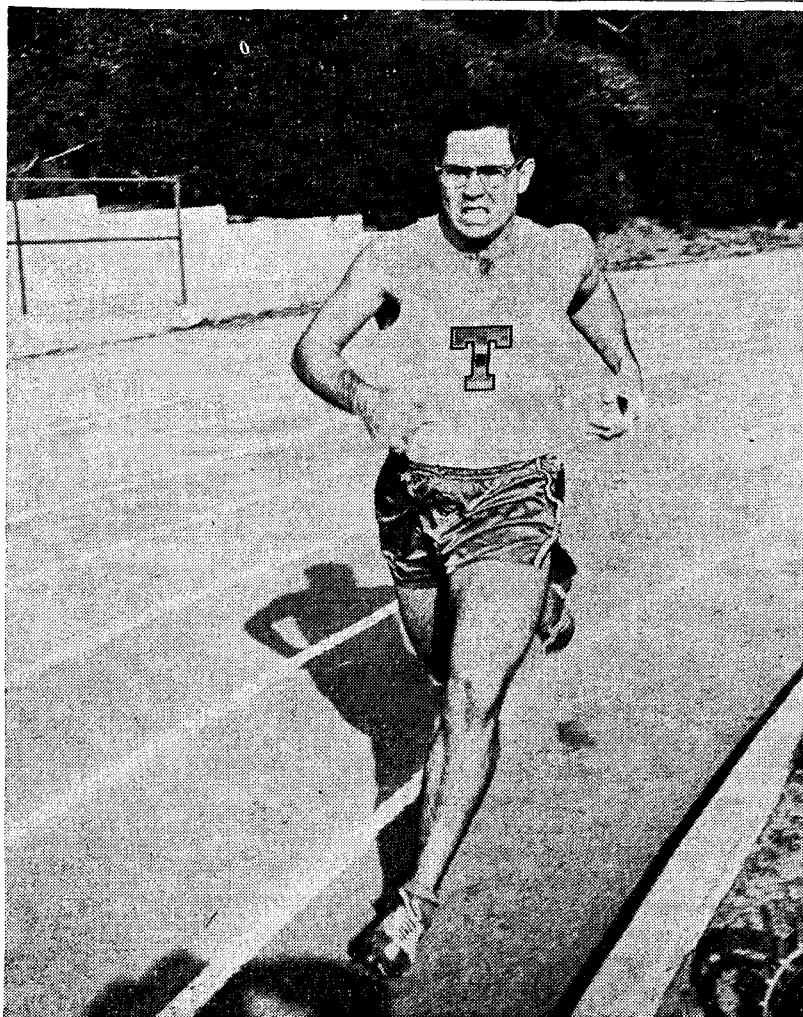
jump and a second in the 220. In the pole vault Steve Garrison won at 12' 0"; Garrison also picked up thirds in the javelin and the low hurdles. Louis Corl scored a first in the two mile with a 10:55.7 and placed third in the mile. The relay team of Stadler, Kendall Brown, Chuck Holland, and Wright won the relay in 3:39.7.

Tomorrow afternoon the track team faces UC Riverside and the Pasadena Track Club in a triangular meet here.

## Other Campuses

(Continued from page 3)

efforts of every student body and class officer—a very big undertaking. Good luck President!" Although ASUSC is evidently Santa Clara's student government association, it is extremely easy to think of at least 250 other abbreviations that fit at that point—not all of them clean.



Senior Bill Hassenzahl pulls for the tape.

Photo by Thor Hanson

## Blacker Leads IH Basketball With Four Wins

Blacker still led the Interhouse Basketball race after two and a half weeks of play with a 4-0 record as of Tuesday. Hot on the heels of the Blacker five were the tough Ruddock and Page teams sporting identical 4-1 records. A key game came on Friday, where a win by Page could throw the league into a three-way tie for first place. Nevertheless, on the basis of previous appearances, Blacker must be counted a favorite.

In games this last week Ruddock downed both sixth place Fleming (39-33) and last place Lloyd (40-29). In the hard fought Fleming game Ruddock's high scoring Chuck Vinsonhaler had to share scoring honors with Fleming's Harry Simpson at 16 points apiece. In the Lloyd game Vinsonhaler scored 13 points in the third

(Continued on page 6)

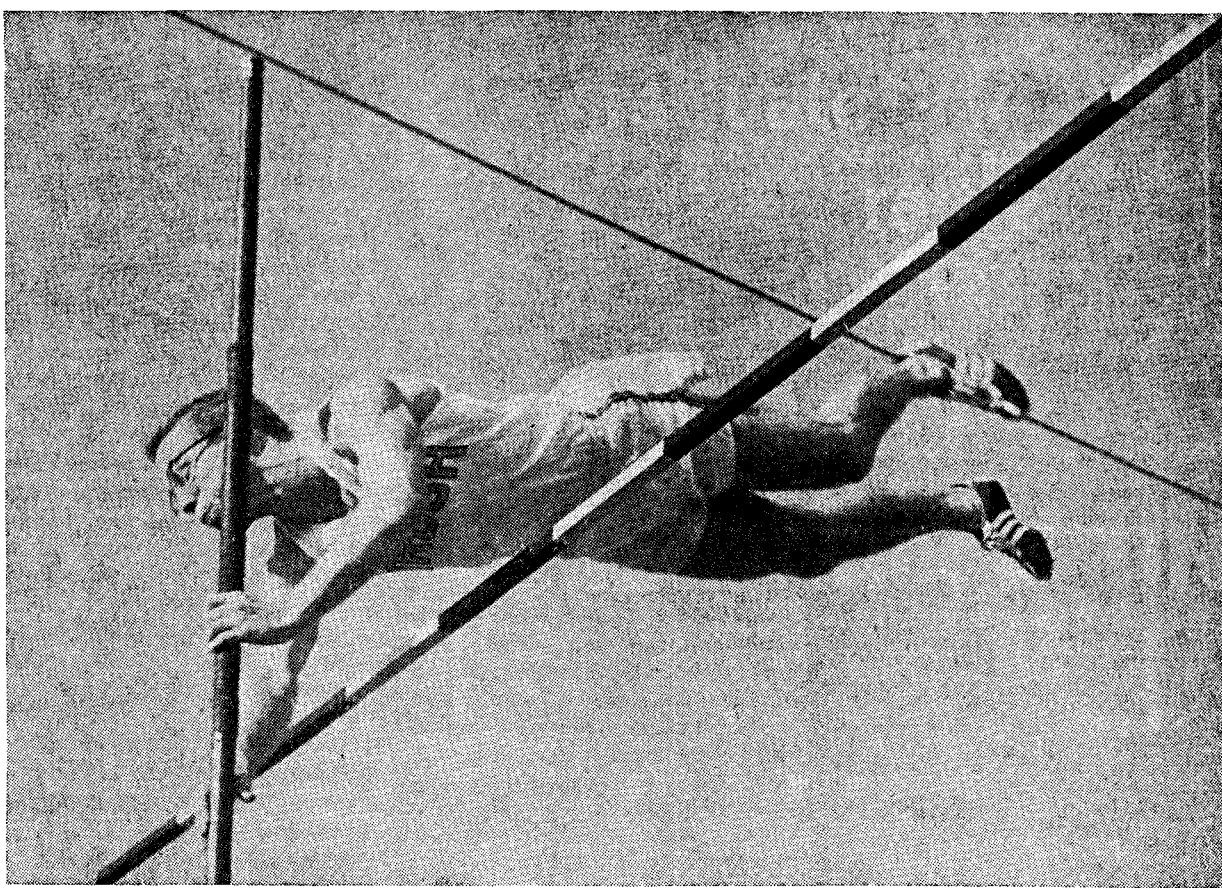


Photo by Ken Brown

Freshman pole vaulter Steve Garrison clears the bar.

## Baseballers Dropped By Biola, Redlands; Frosh Lose To Biola

Last week the varsity baseball team dropped two games. Wednesday, Tech was clobbered by Redlands, 16-2, and Saturday the Beavers lost to Biola, 12-4.

Caltech, in its second home game, was routed by Redlands. Bill Ricks, the Beaver's starting pitcher, had a bad first inning as four Redland runners crossed the plate. In the same inning, Tech tallied two runs on two walks and a two base error. Ricks was relieved in the seventh by Dave Hewitt after Redlands had scored four more runs. Hewitt had a rough seventh inning; Redlands scored seven runs while Hewitt was only able to retire two men. Bill Weber came on to finish the game allowing only one more run.

The Beavers did not have the scoring punch. Twice, in the fourth and in the fifth innings, they loaded the bases but were unable to score. Redlands got 16 runs with 15 hits, while Tech scored only two runs on six hits.

Saturday the Beavers made a better showing in their loss to Biola. Tech's hitting was much improved. The Beavers rapped out eight hits scoring four runs, but made seven miscues in the field. Weber pitched for six innings, giving up eleven runs; Ricks completed the game allowing only one more Biola run to score. Whittington's performance was outstanding as he collected three hits for five at bats with three runs batted in.

Yesterday the varsity played Pomona at Pomona. Saturday the Beavers journey to La Verne for a single game.

### Frosh Lose One

The frosh had an easy week, losing only one, to Biola, 9-1.

The first inning was typical—five hits, four bases on balls, two passed balls, and two errors, to give Biola an 8-0 lead. After this early debacle, however, pitcher John Diebel settled down to strike out twelve men. In spite of a total of seven errors, the team managed to hold Biola to only one run on three hits in the last eight innings.

Hitting still left much to be desired. John Radin and Diebel got singles, while Steve Hall slugged out a long double, his second for the season. Guy Jackson presently leads the team in hitting with a .364, followed closely by Hall with a

.357.

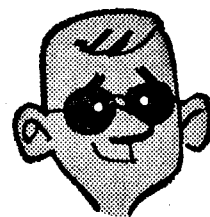
High spots of the game were the eighth inning, when Diebel fanned the top of the line-up in order, and the ninth, when the Tech frosh executed a sizzling double play, Diebel to Mike Rosbash to John Beamer (pitcher to second to first).

Yesterday the freshmen played Pomona here at 3:00, and Saturday they will travel to meet the Rio Hondo Club at 2:00.

## Pat Albee

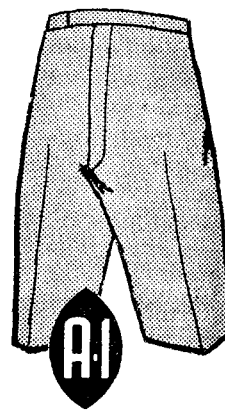
(Continued from page 1)

ambition in playing Kitty Duval. She maintains that Kitty is one of the few "comic" characters with any "real stuff" to her. "But," says Pat, "what I really would like to do in the future are more character roles. What fun to play screwball people! My ambition is to create a role which is the female counterpart of Mike Talcott." (Ahem) (Amen).



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# Tech Swimmers Drown Whittier As Individual Times Improve

**BY DAVE OLLIS**

Whittier's varsity swimmers left Caltech last Friday at about dinnertime and are probably still smarting from the 74-17 beating delivered by Webb Emery's men. Tech garnered three thirds, four seconds, and all eleven firsts to crush a full Whittier team.

The meet was characterized by improved personal times for Caltech: Bruce Chesebro flashed to a good 2:15.1 for the 220 free-style, sophomore George Mc-

Bean delivered two firsts with times of 25.0 and 56.3 for the 50 and 100 yard free respectively, Art McGarr scored 121.6 points in fancy diving, Gary Turner approached his last year's form with a 2:32.8 in the 200 individual medley.

Al Huber stroked to a 2:47.8 in the 200 breaststroke, and the terrible Turk, Duygu Demirlioglu, swam 1:06.5 for the butterfly leg of the unofficial medley relay.

## Page Edges Blacker In Discobolus Test

Page House captured Discobolus from Blacker in a bowling contest last week. Page took both games, 769-757 and 841-754. High score for the winners was Mike Perlman's 205.

The next Discobolus match will pitch Lloyd against Page in football tomorrow afternoon. Second place Fleming has the next challenge.

House	Points
Dabney	26
Fleming	15
Blacker	9
Ricketts	8
Lloyd	5
Page	5
Ruddock	3

## IH Basketball

(Continued from Page 5)

quarter to break a 16-16 halftime tie. His total for the game was 21 points. Lloyd's sharp-shooting Volker Vogt paced the losers with 15.

Ricketts also won two games this week with a 40-29 over Lloyd and a 37-34 over Dabney. Les Tomley led the Scurves with 26 points in the Lloyd game and 21 points against Dabney. In the other game this last week Page edged Fleming 34-32 in a game that was close all the way and was won with a last minute basket. High man for the day was Fleming's Simpson with 19 points.

As of Tuesday the standings in IH basketball were:

House	Record
Blacker	4-0
Ruddock	4-1
Page	4-1
Ricketts	3-2
Dabney	2-3
Fleming	1-5
Lloyd	0-6

## Model UN

(Continued from page 1)

three votes, but skillful delaying tactics by the South African delegation prevented consideration of the two other resolutions of a stronger nature. With an hour left for the final General Assembly meeting and a strong anti-South Africa resolution next on the agenda, the South African delegation embroiled the Assembly in a parliamentary hassle, and succeeded in preventing a vote on the resolution.

On the basis of this year's performance, next year's Model UN Continuations Committee applied for a bevy of important, exciting countries for the XIII session at San Jose State.

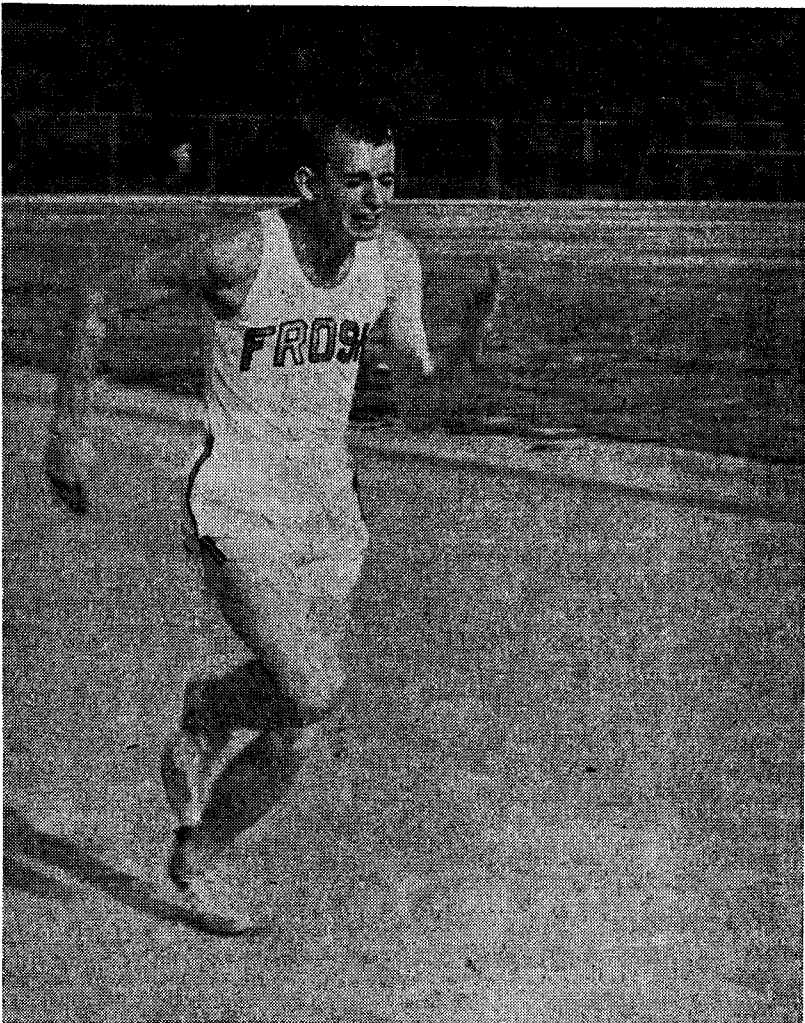
Pending approval of the budget, next year's delegation will again be large, affording good opportunity for interested Technicians to attend. In charge of MUN activities for the coming year are Dave Barker, Marty Hoffman, Larry Rabinowitz and Francis Wilson, the new Continuations Committee members.

# Netmen Dump Cal Western; Prospects Good

The Caltech varsity netters overwhelmed Cal Western in a practice match last Saturday by the score of 7-1. First singles was won easily by Al Limpo, 6-2, 6-1. Other winners in singles were Ted Gibbs, Frank Curtis, Ed Medof, and Ray Plaut. Doubles victories were turned in by Limpo-Curtis and Hearn-Eliot Bradford, while Gibbs-Plaut had their second doubles match called off with the score at 8-8 in the third set so that their opponents wouldn't be late for evening dates.

The varsity team plays a crucial match at Claremont this Saturday. Both teams have 4-1 league records and are tied for second place. Caltech will be hampered by the loss of first man Dick Hess, still out with an injured knee.

The frosh tennis team, leading their division, will tangle with the CHM Stags at Tournament Park this Saturday. A frosh win would give the Beavers a 6-1 record and would put them in excellent position for the league title this year.



Frosh sprinter Kendall Brown heads for showers.

Photo by Kendall Brown

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