

PCS Forms Needed

Due to an overcommitment of gift aid last year, the financial aid department was put on a fixed budget this year. This *does not* mean that a decrease in aid will result, but it *does* mean that more planning is needed. Unfortunately, it is impossible to plan correctly without sufficient information, and that is the problem that the financial aid department has right now. It does not have the PCS or the supplementary sheet from all of the students who desire aid. Dr. Schaefer needs *both* by May 15. Students who fail to turn in these forms by then may cause an insufficient allotment of aid which is

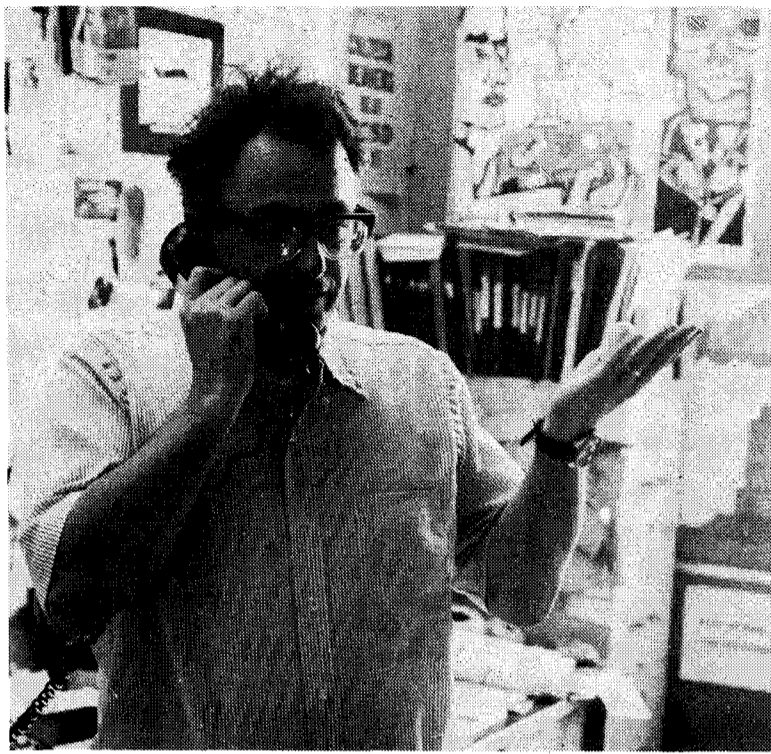
Continued on Page Six

Millikan Searches

Applying the Honor System

Millikan Library faces a serious problem in the loss of books and journals. Approximately 1800 books and 200 bound journal volumes are lost annually, and the replacement cost comes to something like \$40,000. According to the Director of Institute Libraries, Johanna Tallman, the situation is not a new one: the library has been losing books at about the same rate for a number of years, but, until now had always been able to afford to replace the most-needed items when they disappeared. With extra money no longer available, the library has begun to institute new administrative procedures in an attempt to cut the losses.

By asking all library users to present identification, the staff can separate outsiders, who have no borrowing privileges, from Caltech persons, and prevent non-campus users from removing books. In recent weeks, outsiders have been "searched"—that is, outsiders have been asked to present a stack of books or a bag or briefcase for inspection. But,



DR. JAMES MAYER, new Master of Student Houses will officially take over for Dirty Dave on July 1. Photo by Floyd Clark

according to the library staff, virtually no one from outside the community has been caught removing library materials. If this is indeed the case, then people within the community are largely responsible for the lost books. This indicates a lack of awareness that the Honor System applies to the Library and to its checkout procedures.

Applying the Honor System to the operation of the library, it is obvious that a person who keeps a 3-hour reserve book for longer than the specified time is taking unfair advantage of others who may need the book, particularly at critical times such as before a test. It is also apparent that anyone who removes a book with no intention of returning it, is stealing from every library user in the community. These are examples of actions which are clearly contrary to the spirit of the Honor System, and cases which the Board of Control has in the past, and might again, consider violations of the Honor System.

There is also the case of the

individual who simply does not want to be bothered with the routine checkout procedure, who has "every intention" of returning the book when he's finished with it, and can't see why the library can't trust him to return the book in his own good time. He is neglecting the fact that others may come to the library simply to browse through the available selections in the field of their interest, and that missing books handicap their freedom to choose. If someone desires a book that has been checked out, it is a simple matter for the librarian to put a "hold" on it, reserving it for the next user as soon as it comes in. If the book has not been checked out, the librarian cannot even say when, or if, the book will be back. In addition to the inconvenience for others, the cost of repeated efforts to locate missing books comes to several thousands of dollars, and many employee-hours, every year—money and time that could have been spent improving existing collections.

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News Briefs

Attention Lettermen!

All lettermen who haven't ordered letter jackets may do so Thursday May 15 at 7:30 p.m. in Page House Library. For further information contact Ray Jean (Ruddock) or Debbie Wilson (Page).

Free Beer

There will be two half-kegs of beer in the Ricketts-Fleming courtyard Friday at 4:30. Free to all ASCIT members.

Take It All Off!

Lloyd House will present the

Fourth Annual Stripper Show next Saturday, May 17. Refreshments will be served. See next week's *Tech* for the two show-times.

The Winners (or Losers?)

The following appointed ASCIT positions have been filled: *Big T* business manager—Gul Agha; *Tech* business manager—Becky Winter; EPC—John Barton, Fred Ho, Bert Wells; elections chairman—Jill Evensizer; ESC—Morris Jones, Craig Trivelpiece; *little t* editor—Morris Jones; gameroom chairman—Dave Mur-

dock; coffeehouse managers—Duane Boman, George Hendrickson, John Kaye, Steve Trimmer; Student darkroom chairman—Rich Feldman; Excomm—Young-Il Choo, Chen Sun.

Be A Voice

Today is the last day to sign up to be a student representative on a faculty committee. Sign up lists come down at 4:00 p.m. this afternoon. Interviews will take place Monday—Thursday nights next week. Schedules for interviews will be posted in

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New Master

Mayer Discusses MOSH

by Callaway and Silverstein
(Dr. Jim Mayer will replace long-time occupant Dr. David Smith as Master of Student Houses (MOSH) this summer. Such a cosmic event takes place only about twice a decade, the normal span of a Master being five years—more than a student generation. The MOSH is the primary link between the students and the rest of the Institute, and as such he is an integral part of campus life. He is a person you should know and know about.

Well then, what about Jim Mayer? The catalog tells us that he received his B.S. from Purdue University in 1952 and his PhD there in 1959. His official Institute position is Professor, Electrical Engineering, and his office is on the third floor of Steele. The oldest of his five children is 23 and the youngest is 12. Besides doing research, he teaches APH 3, APH 9, and SCUBA classes, and this is how most students know him. We decided to penetrate the fortress of Steele for a more personal glimpse...)

"You're out of your flaming gourd!" That was Jim Mayer's first reaction when asked to consider the possibility of becoming the new Master of Student Houses. Dr. David Wood did the asking; later discussions Dr. Mayer had with Dirty Dave, Wes Hershey, Dr. Nancy Beakel, and Dr. Lyman Bonner, among others, seemed only to echo that sentiment. However, "This convinced me it would be an interesting job!"

Dr. Mayer will take office ("I don't like the sound of the word 'office'") on July first. After that he will act as Master as well as continue his NSF-funded research, to which he has committed himself for several years. Between the two, he estimates that only about one-fifth of his time will be free, but "it's hard to say now." Because of this, he has been granted a two-year "reprieve" from teaching. Dr. Floyd Humphrey will take over APH 3 next year, and APH 9 could possibly go to Dr. James McCaldin. Dr. Mayer is also a SCUBA enthusiast and teaches the art here as part of the PE program. Swimming coach Ed

Spencer will take those courses for now but Dr. Mayer says that he'll try to squeeze it in later.

"The things that I'm basically interested in here are research and interaction with students," says Mayer. The first will continue, as "I will continue to work with the undergraduate students in the research effort," and the second will certainly increase with his new position. He is now doing fascinating work with the fields of solar energy conversion, growing crystals on solid metal films, and using nuclear techniques to analyze solids ("sort of the opposite of ion implantation"). Dr. Mayer tends to use "the unconventional approach" in his research: "Naturally, we just stumbled onto it." Although he now has his hands full with projects, he is still planning well into the future, even as far as when his term as MOSH expires. "In this game, you always have to ask the question: what area should I be working in now that is three to five years ahead of everyone else?"

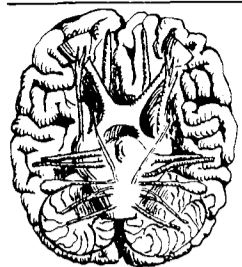
What does Dr. Mayer think being Master will involve? "There are two major aspects to the job. First, there are the day-by-day physical operations, such as interviewing R.A. candidates, participating in Rotation, and assigning new students to their houses. Second, there is the philosophical side of the job." By this, he means efforts to improve student life. "You've all seen the 'quiet desperation' of some of your fellow students. . . the question I ask myself is,

how can I make students not feel separate from the world around them?" He has a lot of good answers already. He wants to see more student-faculty interaction: "every student should know at least one faculty person well before he leaves here." Dr. Mayer believes in donuts, pizza, and "any other way I can get free and different food for students." Pinball is fine by him; in fact, "all electronic gadgets should be encouraged because it maintains the high employment of Caltech students." And what of the dazzlingly non-electronic belly dancers Dirty Dave has provided every third term? "A fantastic

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In Memoriam

Benedict Chun



from the cerebrum

As midterms are over and drop day approaches, I cannot help but reflect on all of the "academic requirements" at Caltech and ask myself how academic they really are. If I want to add a course, it must have been done by April 18; to change sections or opt pass/fail grading I have until May 23, but no later. Even then I can take only 1 course pass/fail per term, and a maximum of 81 units in 3 years pass/fail, etc. etc. etc.

I have no objections to technicalities of academic regulation here at Tech, but I am not able to find any justification or rationale for the specific rules presently in effect. What is the prevailing Institute philosophy on grading and course credit?

I dare say there isn't one. Any upperclassman can tell you about the vast differences in grading systems from one course to another. A 'C+' in one 9-unit course can be the result of ten times the work needed to get 9 units of 'A' in another course. Just what is the purpose of the grading system?

Ideally, the utopian university would stress learning above all things and strive to supply this to its students. All facets of the academic environment would be directed toward this end. Conceivably, a grading system could be used as an incentive if the students were not sufficiently self-motivated.

But how does this fit in with the myriad technicalities of academic law at Tech? How does telling me that I have only two weeks in the beginning of a term to add a course encourage me to learn? This requirement only seems to cause people to add all the courses they might want to take, then struggle under a heavy load through midterms until they determine which courses to bail out of.

The decision to drop a course must be made two weeks before finals start; this system ensures that someone unsure of his performance in a class will drop it relatively early out of sheer

ignorance of his own capabilities. As the final examination often counts over half the grade in Tech courses, a poor midterm/homework performance could be easily overshadowed by a good final. But the worried student, fearing what the unknown grade might do to his GPA, will drop the course rather than hang on until the end and quite possibly do very well. The question arises, why is drop day so early? Why can't it be after grades come out? Students would still have to take the same courses to graduate but need not be shafted by poor performance in a given term. I think Tech has evolved past the parochial attitude of "If you've failed the course, you 'deserve' to have the F on your record." This attitude is anti-academic and has no place at an institution of higher learning. I suggest a no-credit grade of 'L' (for learning) for students who may not have passed a course but attended it and tried, and undoubtedly learned something in the process.

Certainly students can audit a course. But what if they might be able to pass the course, but won't know until the very end? The present system forces one to drop the course and abandon all hopes for academic credit.

I propose the following questions:

- 1) What does the B.S. degree mean?
- 2) What should it stand for?
- 3) How should students be prepared before they receive it?
- 4) What technicalities may be necessary to ensure proper preparation?
- 5) How does the present CIT system compare with the 'ideal' system?

Caltech is at the leading edge. We have the finest faculty, the finest students, and thus the finest opportunity for true learning. The present academic regulation system, I believe, thwarts education at Tech, and thus the full potential of this opportunity is not being realized.

-Dick Beatty

Red Cross Aids Viets

Operation Babylift is about completed, according to the Pasadena Chapter of the Red Cross, which provided 45 volunteers to care for Vietnamese babies brought into the Navy Base at Terminal Island.

The volunteers, both men and women trained by the Red Cross, served on three eight-hour shifts, feeding and bathing babies and small children, changing diapers on the infants, and probably most important of all, providing them with a little love.

Now the Red Cross is focusing on aid to the refugee families arriving at Camp Pendleton—aid that includes communication with friends or sponsors, assistance with transportation problems, and provision of personal comfort items and recreational programs while they are detained at the receiving center.

Pasadena Chapter of the Red Cross has asked anyone who can speak or understand either French or Vietnamese to volunteer to serve as interpreter for those refugees who do not speak English. To volunteer, call the Pasadena Chapter at 799-0841 and leave your name, address and phone number and you will be called when needed.

Red Cross is not involved in adoption procedures or in arranging for sponsors for Vietnamese refugees. Anyone wishing information on these matters should contact adoption agencies or sponsorship organizations, preferably in writing, rather than Red Cross.

Red Cross can accept inquiries about persons still in Viet Nam or Cambodia, but is not able to contact those who have been sent to Guam, the Philippines or Wake Island. Movement in these places is so fast that contact is impossible.

CALTECH FORUM

Fred's Friend

Please put the Fred Logs back in the Tech.

Debbie Wilson

Patent Proposal

The patent agreement signed by employees of Caltech is a familiar document to many undergraduates, especially if one has had to sign it in order to become a tour guide, Beckman usher, or a host of other jobs around the campus. Up until now, there has been no patent agreement for students per se; i.e. in the past, merely being a student did not oblige one to execute a patent agreement with the Institute. Recently, potential legal problems have arisen which make a patent agreement for students in certain circumstances a wise precaution for both the Institute and the student(s) involved.

Several faculty members on the Patent Committee have drawn up a patent proposal for students which, if passed by the faculty board, will require a student's signature before that student can register at the beginning of first term. The basic points of the proposal are:

An invention made by a student shall fall under the normal Institute patent policy (i.e., the Institute pays for all costs in the patenting and/or licensing procedure, but has complete discretion as to the disposition of the patent, and receives 85% of the royalties) if:

- 1) the invention arises out of independent student research financed by outside grant or contract to the Institute, or by direct subvention from Caltech;
- 2) the invention arises out of the student's work in the research project of an academic staff member; or in some other part

of the normal Institute academic program

They have further recommended that students retain all rights in inventions made by them with the use of Institute facilities, as long as the situation is not governed by conditions (1) or (2) above.

The reasoning of the faculty for making this proposal is as follows: 1) since students and faculty are academic colleagues, they should be governed in the same spirit and by the same rules as the faculty; 2) in order to preserve the openness that is characteristic of Caltech as an academic community, a policy such as is outlined above is necessary.

The graduate representative and the undergraduate rep (myself) are in agreement with the policy with the notable exception of part of condition (2), "...or in some other part of the normal Institute academic program" We have drafted a proposal which is essentially the same, but with that phrase omitted. Our basis for this action is: 1) we feel there is an inherent difference between student and faculty, and that we are not academic colleagues; we feel that faculty are employees of the Institute, and that students are paying guests (whether or not the student is on scholarship or aid, and regardless of how much his tuition pays for the actual cost of educating him). On that

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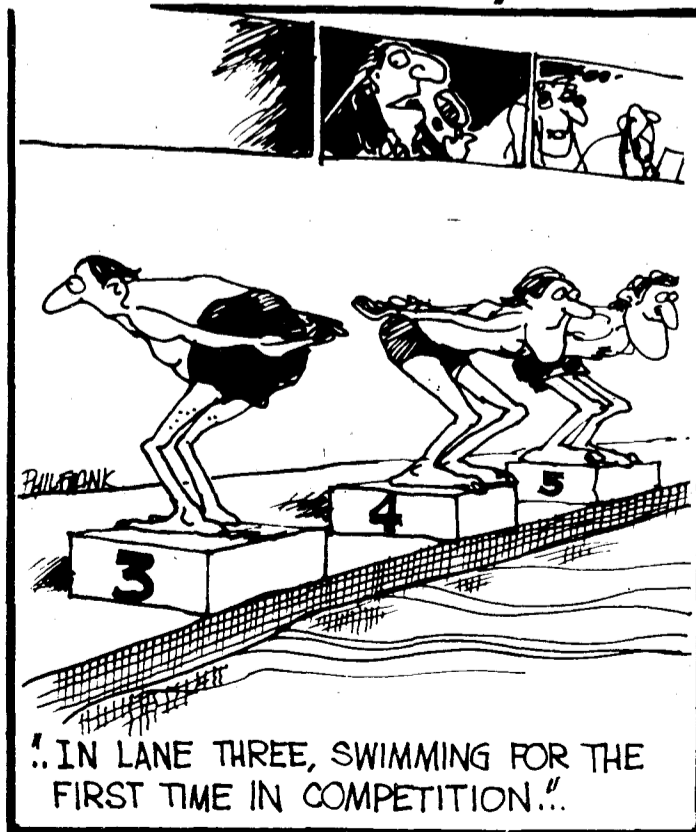
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FRANKLY SPEAKING

by Phil Frank



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THE ASCIT FRIDAY NIGHT MOVIE

Kelly's Heroes

7:30 p.m. & 10:00 p.m.
 in Baxter Lecture Hall

Admission: 50¢—ASCIT members and their guests; \$1.00—anyone else

NEXT WEEK, **M*A*S*H**

Millikan Security Discussed

by Alan Silverstein

For the past few weeks there has been some controversy over the new security measures being employed on the first floor of Millikan, as several recent letters to *the Tech* exemplify. Five different organizations have been involved in meetings on the matter, including the BOD, BOC, GRB, GSC, and Library Committee. The issue slowly resolved itself into a disagreement between Steve Grennan, on behalf of the BOC and the undergraduate student body, and the position taken by the Library Committee and supported by everyone else. Both sides had many good points to make; suitable compromise, at least for the present, has been reached. The following five point "Agreement on Millikan Library Circulation Procedures as They Relate to the Honor System" sums up the situation; the first four have been approved by representatives of all five organizations:

1. Students, as well as all others, will show their I.D. when walking out of the library with any printed material, whether the material belongs to the library or not. This is because the library has to know who's from Caltech and who isn't. Outsiders are not part of the Honor System and many are not authorized to check out anything.
2. The Library staff will ask the Caltech person if he has any library materials to check out. If the answer is "no", the person can leave. All Caltech people—undergraduate and graduate students, faculty and staff, will be treated alike.
3. All non-Caltech people will have to show what printed material they are carrying. This is so that the library can check out material to authorized borrowers only and detain library materials from those who are not so authorized.
4. The library will refer continuing problems relating to library usage to appropriate

honor boards for their information.

5. Wording in the Honor System booklet relating to the library will be changed, pending approval by the BOC. The sentence on being "subjected to humiliation" will be deleted, since this is neither the intent nor effect of stopping anyone at the circulation desk. Sentences will be added about why charge-out records are necessary so that books that are out can be recalled for another borrower, and that charge-out controls, combined with the honor system, will hopefully reduce the heavy losses of books.

The library has had a pretty much constant yearly loss of \$40,000, or about two percent of each collection per year, for a long time now. What prompted them into action was that the losses are getting excessive, and "we no longer have the money to replace them, even if we decided that was to be our total action." The library is also tired of not being able to maintain adequate records for the users of where materials are, because many of the same users do not check them out, and keep them for long periods. The Library Committee wanted to check every person carrying anything as they left the library, to prevent unrecorded borrowing as well as ripoffs. This policy was to be applied without exception or differentiation to all persons, students, faculty, staff, and outsiders alike. The Committee's purpose was not "more enforcement" as much as just "more leverage".

Grennan, on the other hand, feels that "those who oppose searching are not in the minority." He asked why the BOC had not been advised of the extent of the problem in the past, and asked that in the future all known cases of violations of library rules, including keeping checked out materials well past the due date, be turned over to

them. As long as the library is covered by the Honor System, he feels that it is the right and responsibility of the undergraduate student body to govern themselves in regards to it, and that they should never under any circumstances be subjected to a search or security procedure more serious than having to identify themselves.

Both sides agreed that in any policy undertaken, students, faculty and staff should all be treated equally. Mrs. Johanna Tallman, Director of Institute Libraries, was anxious to come to a consensus with all concerned because the present situation was "awkward and unworkable". The above Agreement was finally reached, with the understanding that the student body would be made more aware that the Honor System extends to all aspects of the campus library system.

Wind Ensemble Opens

This Saturday at 8:00 the Caltech Wind Ensemble will open the 22nd Hunter Mead Concert with Soviet composer Dmitri Shostakovich's *Festive Overture*, with James Rotter conducting. This free performance, sponsored by the Musical Activities Office, is the third on-campus concert for the Tech/JPL and community supported ensemble. Freshman Peter Hoekje, from Akron, Ohio, will solo on the opening movement of Johann Hummel's *Trumpet Concerto in E*, and the Wind Ensemble will close the first half of the concert with the *Second Suite in F for Military Band* by Gustav Holst (creator of "The Planets"); Holst's "Suites" (the first "Suite" was performed by the Ensemble in April) are collections of folk songs from the composer's native England.

The Jazz Band, with Bill Bing directing (and with a trumpet

section rumored to have been choreographed by one of Gladys Knight's Pips), will focus on some of the classic big band charts—Basie's "One O'Clock Jump" and his ancient blues "I Sent for You Yesterday (and Here You Come Today)," Gershwin's "Embraceable You" and film's *Black Orpheus* theme "Carnival," on which grad student Dick Woodin solos on bass trombone. New material is provided by junior Les Deutsch in one of his early compositions, *Prelude and Fugue in G Minor* (1973); Les has since had several original compositions published and will be found playing saxophone (which he took up last summer) along with frosh Bruce Baker and Prof. John Ferejohn. When not playing, composing, arranging, driving to and from home in Sherman

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Erickson Receives Danforth Fellowship

Timothy Eric Erickson, a senior who will receive his BS degree in astronomy in June, has won a Danforth Fellowship for advanced study for his PhD degree.

The fellowship provides tuition and living expenses for up to four years of study in preparation for a career of college teaching. Erickson plans to continue his studies in astronomy at the University of California, Berkeley.

Erickson, 20, is receiving one of the 65 fellowships awarded this year. More than 1,700 college seniors and college and university graduates competed for them.

The Danforth Fellowships are designed to encourage outstanding college graduates who show

promise for distinguished careers in college teaching.

Selection of the fellows is made by a panel of educators primarily on the basis of the candidates' intellectual power and commitment to humane values.

Over 2,200 Danforth Fellowships have been awarded since the program was established in 1952, and more than 1,500 awardees have earned PhD degrees and are teaching in colleges and universities. The Danforth Foundation of St. Louis, Mo., was created in 1927 by the late Mr. and Mrs. William H. Danforth as a national educational philanthropic organization, dedicated to enhancing the humane dimension of life.



Outdoor Meal

Bill Finnell, head of campus food service, has announced that next Wednesday (May 14) there will be a special outdoor meal. The meal will feature baron of beef, watermelon and an assorted fruit bar with cotton candy for dessert. Food Service will provide milk and the IHC will have beer and a keg of A&W root beer on hand. Ricketts House will supply music. The meal is to be served in the Ricketts-Fleming courtyard from 5:30-7:30, so it is possible to be there any time after 5:30. Students who would like to eat but are not on board contract and students who wish to bring guests should notify the head waiter of their house by Monday so that food service will be sure to cook enough meat for everyone. Complete menus are posted in the houses.

The WIND ENSEMBLE
The JAZZ BAND

Caltech/JPL's finest — FREE!

22nd HUNTER MEAD CONCERT
Saturday, May 10 8:00 p.m.
RAMO AUDITORIUM

BECKMAN AUDITORIUM

TONIGHT May 9 8 p.m.

MICHAEL LORIMER
guitarist

All Seats Reserved
\$6.00 - 5.00 - 4.00
(student section: \$3.00)

STUDENT RUSH TICKETS
ONLY \$1



Tim Morgon headlines the show at the Ice House this week. This is his second appearance within the last few weeks, but apparently his last for awhile, with tours and whatnot. His performance is substantially the same as it was last month, with perhaps a little bit of improvement in the flow of his sets, but this may have to do with the individual audience, since Tim has considerable rapport. He did some of his standards, like "Hooked on a Feeling" and "I Believe in Music". He did song excerpts from the 50s until the audience talked him into finishing a couple of them (he does oldies extremely well, by the way). He did one of his own

are torture when he reverts to being only good so much of the time. Oh well.

The show-openers this week are a group called Stapenhorst Airport, from up in Colorado. The group consists of Steve and Ellen Stapenhorst (I had been wondering for weeks where the group name came from) plus the probably misspelled Randy Noy, Jerry Derstein and Jim Yoder. Between them they play an enormous variety of instruments, ranging from pedal steel guitar and fiddle to clarinet and trombone (TROMBONE???) with almost everything in between. In one set of six songs, Ellen alone played four different instruments. There are banjos, flutes, guitars, in short, everything except electric bagpipes. (Actually, there was an acoustical bagpipe in last week's show at the Ice House, but that is another story.)

Stapenhorst Airport played some very good music of a sort of country nature, at least in spots. At least, I thought it was country when the show started.

Then they did a song out of the Modern Love Song school of music. Then they broke into a rendition of the 7th Cavalry theme song (yes, the one with Custer and everything), "The Girl I Left Behind Me." This was followed by a song about a girl named Annie, (from Oakley), a song about life and wandering. All of a sudden, the group switched instruments again and did a very strange pseudo-rock number reminiscent of a group called Juarez that used to appear (all right, I'm an obscurist) locally, and had an album that was popular on campus. After they had me thoroughly confused, the group broke into a rendition of an old jazz song, "Sit Right Down and Write Myself a Letter." That was where the trombone and clarinet came in. The group ran off the stage while the audience was still bogging in amazement at that last number. And here I had been sure that they looked like a country group. Sneaky group, camouflaging themselves like

that. Stapenhorst Airport might not be back very often, being from Colorado and all, and that is a very unfortunate thing indeed. I suggest you take this opportunity to see them, and I am going to try and see them again before they leave. They have excellent vocals, due in part to the very good singing of Ellen Stapenhorst, and their instrumental versatility is astonishing, as are their instrument changes (choreographed, to avoid casualties on a small stage). I got the feeling that they did not have the same combination of instruments or vocalists on any two numbers they did. I hope that they get a recording contract, because that is the only way enough people will have a chance of hearing them Stapenhorst Airport (I wonder where the 'Airport' part comes from?) is a very good musical group.

Comedian George Miller rounded out the show. Unfortunately, his is not the type of *Continued on Page Five*

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The CALTECH Coming Events

Having survived midterms once again (those of you who did), bare your cheeks to the sun and receive the flush of spring today at noon on Winnett Quad. Give academia an hour's brief respite and thrill to the perilous prestidigitiation of the professional magician **Dr. H.P. Lovecraft** of San Francisco. Bring your lunch and a rubber blanket... plus any bluebooks you'd like to see disappear.

Through posture and mantra, kirtan and tantra, you will have an opportunity Monday at noon in the Y lounge to experience a seven-thousand-year old self-realization. **Acharya Yatiishvaranda**, the North American leader of Ananda Marga, will discuss "The Theory and Practice of Intuition Science." There is neither obligation nor cost attached to this opportunity for self-education and enlightenment.

Develop your imagination quotient! **Paula Shaw**, a profes-

sional in the performing arts, will lead a free workshop in "the collective imagination of improvisational drama and the use of space objects" at 7:30 Monday evening in the comfort of Millikan Board Room. Her appearance second term was so much fun we're bringing her back again.

The third weekly "Conversations with a Scientist" features Professor of Molecular Biology **Dr. Gunther Stent** from UC Berkeley. He will be in the Y lounge at 7:30 p.m. Thursday to discuss his personal "Science, Values, and Beliefs" with a small group of students. To keep the meeting intimate and informal, admission will be limited to the first twenty to arrive.

Let me again remind you that a big day is coming. On Saturday, May 17 will be a symposium featuring **Simons and Hufstедler**, the **International Arts and Crafts Bazaar** on the Olive Walk, free amateur entertainment at noon on the Quad, and **Alumni Day**. Plan not to miss it. If you are going to make money selling your wares, be sure you have registered with the Y office by today at the latest.

As the Y monthly program highlights describes: **Howard Simons**, managing editor of the Washington Post and **Seth Hufstедler**, past-president of the

California State Bar Association, will participate in a symposium on "The Fourth Estate: The Power of the Press." This unique opportunity will take place in Winnett Lounge from 10:00 a.m. to 3:00 p.m. Their presentations, rebuttals, and open discussion will focus on pre-trial in the media while maintaining the freedoms and benefits of a free press. We request that you preregister with the Y office if you plan to attend this event, so we can tell how many chairs to set up. Also, there will be a delicious buffet lunch for participants, optional at only \$1.75.

Do you enjoy classical music? Would you like guaranteed good seats at the LA Music Center, at student cost, next year? We are planning to purchase season tickets for the **LA Philharmonic**, to sell per performance, and we need an idea how many to buy. So, if the idea turns you on, call the Y office to express your interest, without future obligation.

Only twenty more school days till the end of another year (does anyone, Seniors aside, know when Ditch Day really is?). Rejoice, or repent, as appropriate, but either way, take time out to take advantage of our programs.

-Alan Silverstein

Patents

Continued from Page Two
basis, it is perfectly reasonable for students to be governed under a different policy.

2) We feel that the openness of our academic community is not in the least endangered by the omission of the phrase in question, and we cite over 50 years of openness without any patent policy whatsoever.

Furthermore, we feel that allowing the use of Institute facilities for patentable purposes only outside of the academic program constitutes a false advantage, since many students would find it hard to secure permission or find the spare time if their research were not covered under the guidance of the Institute's academic program.

The committee has been unable to come to a decision regarding this matter; a special meeting will be held on May 12 to determine further action. I hope that some interested students will contact Dr. Acosta (chairman) about attending the May 12 meeting (4-6 p.m.), since this is a subject that deserves the attention of all of us.

-Paul D. Goodson

Frets

Continued from Page Four
act that lends itself to reviewing. He is a funny standup comedian of the sort that appears on talk shows and the like. His act contains more material about drugs than the last time I saw it. The audience liked him. Good, but not great by any means. He seems destined to remain a filler act, but at least a good one.

I just realized (with an editor as a witness) that it is cheaper to go to the Ice House and really splurge on drinks and food than it is to just get in (admission and drinks minimum) at a couple of the Hollywood clubs. Admission at the Ice House is \$1.50 on week nights, \$2.50 weekends, with reasonable prices (grossly cheap for a club) on food and drinks. Not bad. Try it.

-Nick Smith

Ensemble

Continued from Page Three
Oaks, or meeting math option requirements, Les is a professional organist—so the Bach-gone-bop *Prelude and Fugue* came naturally. The Jazz Band will feature more recent examples of Deutsch ("Another Shade of Blues" and "The Joy of Sax") in an all-jazz concert on May 20th in Baxter.

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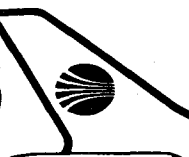
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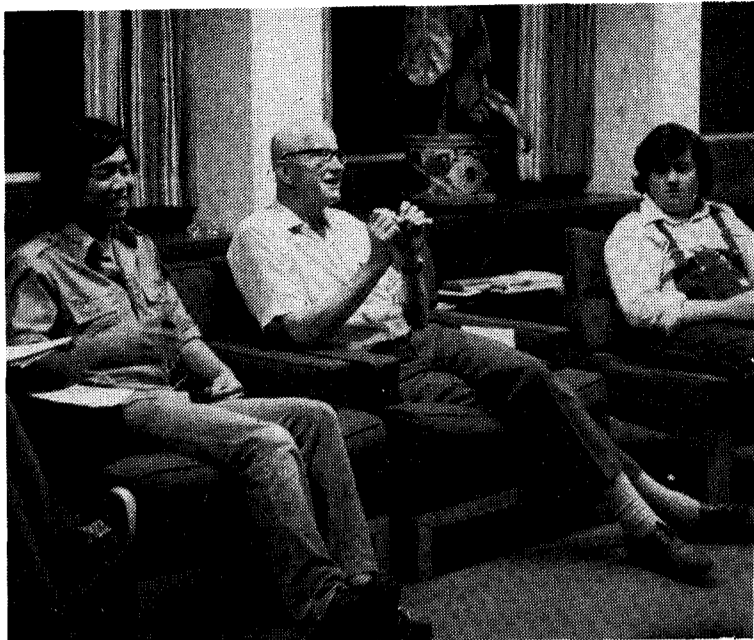
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DR. MAX DELBRUCK is the first in a series of speakers appearing in this new program sponsored by the Caltech Y. Photo by G. Laib

Delbruck Discusses Science

by Al Drehman

The Y's new program "Conversations with a Scientist" seems to be quite promising. The first in the series was held Thursday, May 1 with Dr. Delbruck.

The evening began with about 25 people coming to talk to Dr. Delbruck. After an awkward introduction it appeared that we were in for a boring evening, however, after a bit of stammering, Dr. Delbruck started in with a few humorous remarks such as "...science? It is a haven for freaks." Soon thereafter, the group began an extremely interesting discussion.

Instead of sticking to any one particular topic, Dr. Delbruck was quite willing to talk about almost anything that the people were interested in; from his days in college in Germany, to his views on science and its role in the future.

Dr. Delbruck has had a very interesting relationship with science, as he started out as an astronomer, then he became a theoretical physicist and finally a biologist. The switch from theoretical physics to biology was a result of a philosophical question which arose from the quantum

theory which was developing at that time, explained Dr. Delbruck. He felt that this question could be best explored from a biological point of view.

I could go on paraphrasing and quoting Dr. Delbruck, but it would be impossible for me to adequately convey the atmosphere of the discussion; so I shall simply say that for those of you interested in intimate discussions with prominent members of the faculty this is a golden opportunity. These discussions are held every Thursday evening at eight o'clock and are limited to the first twenty people. Unfortunately, these discussions are held too late in the week to permit coverage until the following week, so the evening with Feynman was last night (got that?). However, next week's guest will be Roger F. Stanton, PhD (Professor of English Emeritus). Since the discussions are limited, I would recommend only going to the discussions which are of special interest to you because it looks like a lot of people may be turned away if too many show up.

Aid

Continued from Page One
turn would cause them to receive less aid than they would otherwise have been entitled to.

It appears that more students will be eligible for aid than were last year, however this extra aid would be primarily in the form of loan aid, except for a travel allowance, which would of course be gift aid.

With one-third of the undergraduate aid applications processed, Dr. Schaefer feels that as a whole, gift aid will not go down. In fact it may even be up slightly.

Survey Taken

by Gavin Claypool

The Division of Humanities and Social Sciences is conducting a survey of all students enrolled in HSS courses this year, to better evaluate the teaching functions in the division.

During the next few days, students will receive a letter along with a questionnaire for each class taken during the past year. The research office, headed by Mr. Charles Newton, is requesting that responses be returned as soon as possible, but before May 19. The effectiveness of the survey is directly dependent on the number of responses; each student is encouraged to aid the endeavor by completing the questionnaires.

The questionnaires come in two parts: the first will evaluate the instructor, the second the course material. There are ample opportunities for original comments on the part of students, beside the usual 1-10 (in this case, 1-7) rankings.

Epilepsy Project

The Los Angeles County Epilepsy Society (LACES) has begun a project to inform substantially handicapped epileptic persons in the county of new services available to them under the Developmental Disabilities Services Act. These services range from diagnosis to occupational therapy, day care and activities programs. To qualify for services at one of the seven Regional Centers in Los Angeles County, epileptic persons must be developmentally disabled as well as substantially handicapped. A person is regarded as developmentally disabled if his disability began prior to the age of 18. Individuals subject to epileptic seizures, or the parents or guardians of such individuals, are asked to call LACES (382-7337) for information about possible qualification for Regional Center services. Those thought eligible will then be referred to the Regional Center closest to them.

News Briefs

Continued from Page One

Winnett and all houses. If you are unable to be at your interview at the scheduled time, see Richard Atwater (F1) or Carol Stevens (F1) before the time of your interview.

Memorial Fund \$1000 Award

The Paul Studenski Memorial Fund Award, made possible by a grant from the parents of Paul Studenski, Caltech 1972, is an annual award of \$1000 to an undergraduate student who has performed well academically and would benefit from a period of time away from the academic community, in order to obtain a better understanding of himself and his plans for the future. Applications for this year's award are now being accepted. Interested students should submit a one-page application describing their qualifications and proposed use for the award. Applications should be received at the Caltech Y office by Friday, May 16, 1975. The winner of the award will be announced at the Caltech Y Board of Directors meeting on June 2, 1975.

All This And Food Too?

Dr. Marlene Coleman and Nancy Beakel will present a very informal seminar on contraceptive technology in the lounge of the Young Health Center at 11:45 a.m. on Monday, May 19th. Males and females are welcome. For those of you concerned about lunch—a cold lunch will be provided by the Health Center staff.

Flying Fingers

Michael Lorimer is scheduled for a recital in Beckman Auditorium on Friday, May 9 at 8 p.m. Lorimer, a highly regarded classical guitarist, is a protege of the great Segovia, and has already made concert appearances in Spain and throughout North America. When not touring to give concerts or master classes which he conducts on many campuses, Lorimer is on the faculty of the San Francisco Conservatory of Music. For his program at Caltech, Lorimer will perform music by Roncalli, Losy, Corbetta, Bach, Turina, Villa-

Lobos, Ohana, and Albeniz. Tickets are now on sale at the Caltech Ticket Office. For information, call 793-7043.

Free Notes On Classical Music

If you like classical music—or if you don't—and want to learn more about it and its performance, join concert pianist (and former mathematician) James Boyk and about thirty other diverse persons every Wednesday afternoon from 4:30 to 6 p.m. in Dabney Hall Lounge. It's called Interpretive Performance Class; costs nothing, carries no credit, but makes no demands, and is sponsored by the Master of Student Houses and the Director of Student Relations.

Fellini At Cinematech

The great Italian director, Fellini, will be featured at Cinematech tomorrow night (Saturday) in Baxter Hall at 8 p.m. with his early masterpiece, *Vitelloni*. This is the film that gave him his international reputation. Also showing will be *Barrier*, directed by the brilliant Jerzy Skowlimowski of Poland. Admission's a dollar for ASCIT and GSC members, an extra fifty cents for others.

Sportswomen! Sportswomen!

Sunday, May 11 at 2:30 p.m. there will be a meeting in the Y lounge for any women interested in interhouse sports for women (most likely North vs South houses), bike rides, camping trips, or anything else. If you have any other ideas for activities please bring them. For further information contact Louise Corson in Blacker House.

Women's Roles?

For anyone interested in examining the roles assigned to undergraduate women on the Caltech campus there will be a meeting on Saturday, May 17 at 2:30 p.m. in the Y lounge. For further information contact Merle McKensie at 795-1978 or leave her a note in Lloyd House.

Student Dies

Late last Monday, a Caltech student took his own life. Benedict Chun, an off-campus member of Page House, drove to the top of Mt. Wilson and shot himself.

Ben was last seen here around 2 p.m. Monday. The Institute was notified of his death Tuesday afternoon, by the L.A. County Sheriff's Dept.



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Acceptances Increase

by Alan Silverstein

It's long enough past the Candidates Reply Date now that just about every letter from the Prefrosh "postmarked by midnight, May 1" that will arrive, has arrived at the Admissions Office already. That means that the magic number which I promised you in an article on the subject three weeks ago (issue number 24), plus other relevant figures and some explanations of them, are now available, courtesy of Dr. Stirling Huntley, Director of Admissions. To no one's surprise, we did not get either none nor all of the 400 persons offered admission as of three weeks ago—though, as I pointed out, such disastrous extremes are not impossible. Actually, the Admissions Office very much has their job down to a statistical science, and the number they did get is but a small and explicable deviation from the norm of many years. Enough suspense: the Number is 236 this year, including 20 women.

At first glance that seems like a lot more than the popular

conception of the "typical class size of 215." Indeed, it's six more than the largest class to ever matriculate here, which was in '72. However, further explanation is required to understand what the number really means; it isn't as big as it looks. First, it includes five deferrals till next year, so the number planning to register in September is really 231. Then, "in practice we lose some over the summer," said Dr. Huntley. This loss is typically five persons, but has been as high as fifteen recently: "It depends on the country's economics over the summer." It follows that Dr. Huntley's educated guess for the number of persons who will actually enter here in the fall is "about 225", and that is well shy of the record.

As I mentioned in the other article, the Admissions Office sent acceptances this year to 17 more persons than the 383 last year, based on a declining "expected reply rate" of 55 percent. The number of acceptances, and the number of replies (236), include early admissions



Over 200 members from six glee clubs participated in the 1975 Big Sing in Beckman Auditorium. Photo by B. Bus

and deferrals from the previous year. What happened this year was that the actual reply rate was not 55 but 59 percent. What was the reason? Dr. Huntley responded, "I'm pretty well convinced it isn't chance, but it's hard to pin it down." He believes that Tech's re-evaluation of its financial aid schedules, including giving more loans, made the difference. "Many of our competitors did the same, but we have the better picture right now." He added that most other major factors in determining the 'Number' have not been of influence over the past year. The job market hasn't changed radi-

cally in engineering or science; nor have we received excessive publicity recently, except for the McDonald's caper. Dr. Huntley pointed out the importance of the headlines, saying that something as unrelated as a Caltech astronomer discovering a new heavenly body in the last week or two of April can make a marked difference in replies from Prefrosh.

In any case, the expectation percentage for next year will probably go back up to about 60 percent, because "most admissions people prefer to be a little under, and go to the waiting list."

Why have applications by and resulting admissions of women dropped in the last two years from 15 to 10 percent? Dr. Huntley stated that MIT has been doing vigorous recruiting of women lately, but expressed the opinion that in reality that is not what hurt us. However, he said that he knew of no other definite causes of the downtrend.

What it amounts to, then, is that we can expect just a few more frosh than last year, if the national economy doesn't take a similar downtrend this summer. Meanwhile, the Ratio declines, regardless.

coincidence that ASCIT has been losing a lot of prestige and authority over the last ten years. Hypothesis: if an organization's authority is derived from the money it distributes, and inflation eats away at the value of that money, there will be a corresponding drop in the organization's powers of persuasion.

What It All Means

Someday, not so far away, ASCIT's going to have to ask for donations. This, of course, will take the form of a Proposition to raise annual dues, or possibly to raise subscription rates for the Tech.

What such a proposition boils down to is a request for more authority. But after all, that's what government is all about. Next week: An amplification of Bak and Grak.



Commentary: Power of the Purse

by Dennis Mallonee

Government is, next to war, probably the most widely discussed topic of them all. Governments range widely, from systems in which one person is capable of imposing his will to systems in which nearly everyone must agree on a common goal. But regardless of what system is used, the implicit argument of any government is that there exist some people who are not capable of governing themselves.

Then where does student government at Caltech fit? The basic reason for the existence of ASCIT is already swallowed up by the Board of Control and (in a larger scale) by the Interhouse Committee, leaving the corporation to handle only secondary functions.

A Regressive Tax

So ASCIT acts to redistribute wealth, collecting \$22.50 each year from each member and doling it out to things that individuals would not support but which are good for the organization as a whole. Examples: the Coffeehouse, the athletic program, publications, and donuts for committee meetings.

So ASCIT tries and succeeds in getting a student voice on faculty committees, but turns the process of selection of these voices over to someone else.

So ASCIT spends a lot of time trying to figure out just what its reason for being really is, never quite figuring out that its only power is the very real power of the purse.

So maybe it's not much of a

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But Only Tie

Beavers Vie for Last

by Tommy Burgher

Caltech's track team closed out its season last Friday and Saturday with the SCIAC conference finals. While several individuals had fine performances, the Beavers showed that there's room at the bottom for many, as they finished in a three-way tie for last place with Claremont-Harvey Mudd and LaVerne.

Senior Doug Herbert went out with a flourish, scoring 7 of Tech's 9 points, with a second place finish in the discus (143'10") and a third place in the shot put (44'11"). Although he'll be on campus next year, transfer Larry Wise ended his track eligibility with a triple jump of 40'11", not quite good enough to score. The field men supplied another point with Duane Boman's lifetime best long jump of 21'6", taking fifth in conference.

Senior Greg Griffin came through with his best three-mile

of the year, hitting 14:45.0 to complete the Tech scoring. Coach Leroy Neal sees this as an indicator that he has finally recovered from the injuries which have plagued him this season. Steve Kellogg (16:17.7) and Louis Tesea (17:22.0) finished out of the money, but lent an optimistic outlook for the fall cross-country scene. Coach Neal sees excellent chances for frosh Jim Hickey to go under Saturday's personal best 54.6 clocking in the 440 many times next season.

Greg Griffin and Steve Kellogg will be running the six-mile in this weekend's NAIA District finals. The greater distance is better suited to their talents, as was shown by their times in last winter's Mission Bay Marathon. Griffin went to the national championships in this event last year, and Coach Neal is hoping for two fine performances.

"the house is a bit formal, but no formal house can resist the onslaught of our disorganization!" For a better understanding of that statement, drop by his office on the third floor of Steele sometime—it's a true work of art by an amazing personality.

Mayer Talks

Continued from Page One

tradition!"—which will continue.

On the whole, Dr. Mayer feels that students should have "as much determination as possible." He'd prefer to see them running their house and personal affairs without his intervention. He enjoys student pranks: "as long as no one gets hurt, students should be creative." However, he feels very strongly that being destructive is wrong, and "if someone wants to be left alone leave him alone." He wants to see Techers better prepared for life outside, and helping them achieve this is one of his deep concerns: "I try to do it with my own advisees."

One thing he has done for countless of his advisees is to treat them to a free dinner at his beautiful home in the Arroyo. Unfortunately, along with the new position came the obligation to move into the Steele residence, which he accepted because it will put him closer to the campus. He commented that

Millikan

Continued from Page One

Someone who "borrows" a book or journal without leaving a record of doing so—whatever his intent—is acting contrary to the interests of the entire community. For several important reasons, therefore, the library needs to know where its books have gone, and must require that they be checked out before leaving the building. Thus, members of the community who expect to continue to enjoy the freedom from restriction permitted by the Honor System must now apply it to library checkout.

The library staff has considered and rejected the notion of searching *all* users at the point of exit. Do not make the mistake of assuming that searching would serve to make the Honor System more effective in the library. Searching members of the Caltech community is fundamentally inconsistent with the Honor System. If an undergraduate student presents identification and states that he or she is not leaving with any unchecked library materials, the existence of the Honor System is sufficient assurance that the student is telling the truth. The Board of Control cannot condone searches because they represent a lowering of expectations of community behavior to the "lowest common

denominator" level of conduct.

But, not only is a policy of searching people inconsistent with a policy of trust; considered at its best, it would still treat only the symptoms of the problem—not the real causes. If members of the community are improperly removing library materials, this is symptomatic of a lack of respect for the library's regulations. A large part of the cause of this lack of respect has been the library's own remissness in enforcing its regulations (on overdues, and non-circulating materials, in particular) which has done nothing to encourage people to take the system seriously. Although, in fairness to the library, it must be added that it is partly due to insufficient funds that they have been unable to keep up with the work, and that *only other students* suffer from large numbers of overdues. Note also, that inconsistencies in library policy in no way excuse individual misconduct, and the B.O.C. will continue to hear cases related to the library.

It is important to remember that the staff is acting in the students' interest, too, in attempting to preserve the integrity of the library; it is not a case of "them" against "us." There are two ways of preserving the library: self-regulation through the Honor System, and regulation by administrative rule. The students must be willing to

assume their share of the responsibility. Without the conscious cooperation of every member of the community, Honor System regulation of the libraries won't work. If library users will take the Honor System seriously in its application to the Institute libraries, administrative measures, beyond the capability of distinguishing between Caltech people and outsiders, will never be necessary.



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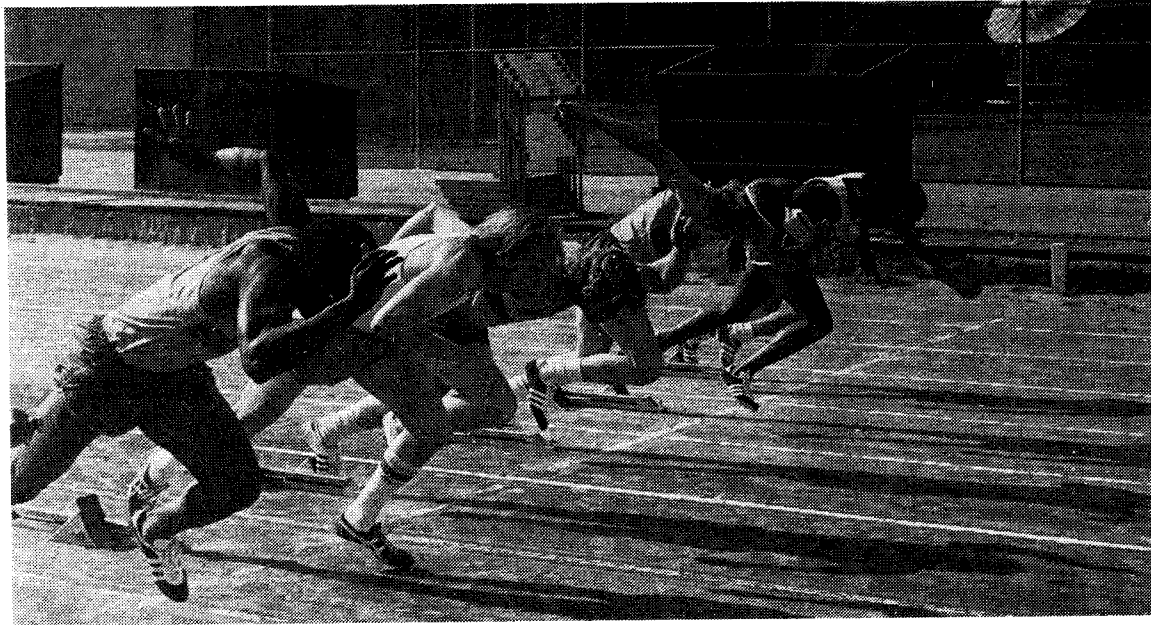
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JOHN LAND, Caltech sprinter, attempting to gain the edge in the one hundred yard dash. Photo by Ray Gildner

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