

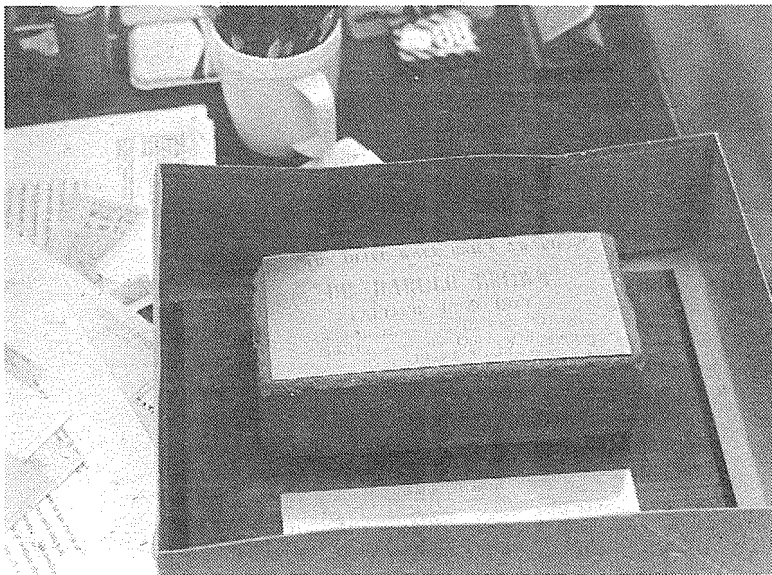
Brown Has No Room For Caltech Mementos

Harold Brown, last president of Caltech, apparently has found little room in his present Washington quarters for the mementos presented to him by the Caltech community when he left.

Both the Olive Walk brick presented to him by ASCIT and the Jimmy Carter talking peanut presented by the JPL staff have found their way back to Edith Baker's office in Bridge, along with scrapbooks, graduation gowns, diploma's and other of Brown's personal memorabilia.

According to a memo from Edith Baker's office, not only were some objects of the Browns left to be stored at Caltech when the Browns left, but an additional carton of objects — including the brick and the model peanut — was mailed to Caltech from Washington D.C. to be stored here.

Although some mention is made of starting a collection of Brown's Caltech memorabilia, the memo specifies that the objects currently being stored in the archives have not been donated to the Institute.



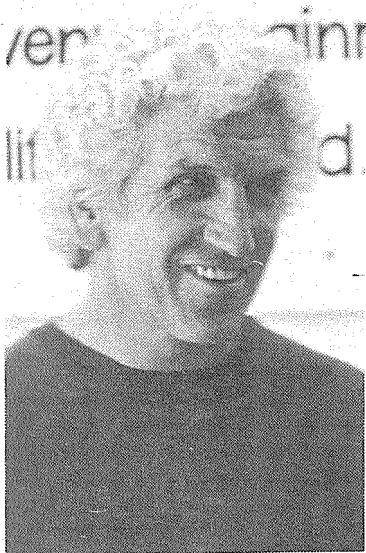
ASCIT's gift to Dr. Brown gathering dust in Bridge.

HSS Chooses Seven Candidates

The Humanities Division Search Committee will be bringing several candidates for the position of Division Chairman to the Caltech campus this fall. Over the five week period extending from Sept. 26 to Oct. 22, seven nominees will meet with the divisional faculty, not only so that the faculty can meet all the candidates, but also so that the candidates can see the Caltech Humanities Division and how it operates.

According to Dr. Lance Davis, the chairman of the search committee, the candidates are of inordinately high quality and of diverse backgrounds. They are, in the order of their visits: John Saywell, a Canadian historian and until recently Dean of Arts and Sciences at York University; Stanley Reiter, presently Director of the Center for Mathematical Studies in Economics and Management Science at Northwestern University; Robert Gallman, an economic historian and past editor and president of both the *Journal of Economic History* and the *Southern Economic Journal*; Richard Easterlin, economic historian and demographer, and dean of the College of Letters and Science at the University of Pennsylvania; Vernon Smith, an applied economist and Fairchild fellow, presently a professor at the University of Arizona; Al Bogue, an American historian and Fairchild fellow, presently

Continued on Page Two



Warren Emery

First Time in 33 Years

Tech Fails to Field Football Team

For the first time since World War II, Caltech will not field a football team. Despite a good turnout of 32 for last year's team and indications of strong interest last spring, Coach Tom Gutman was forced to cancel this fall's schedule because of insufficient turnout. Fifteen men showed up for the initial practices, roughly ten less than the number considered minimal.

The lack of interest in the program may seem surprising since Tech is coming off of its

most successful season (2-4) in three years, but Athletic Director Warren Emery feels that most potential players are more concerned with academics than with winning traditions or even improving programs. Past members of the team were mailed postcards last spring in an effort to gauge interest for this fall, which appeared more than adequate when over 25 positive responses were received. Letters of invitation to the initial practices were sent out in early July, but a woefully inadequate number of

prospects (including only four freshmen) actually came out for the team.

The small numbers are particularly damaging to a fairly inexperienced team such as Caltech's. As a further blow, a traffic accident prevented one relatively experienced freshman from trying out. Despite urgings to wait for registration day, hoping many returning upperclassmen would wait until then before coming out, the team met and disbanded itself, though not

Continued on Page Two

Sod Planted, Olive Walk Renovation Completed

By Carl Lydick and Tod Lauer
The Olive Walk, long used as a parking lot by undergrads (in part because it looked like a parking lot) has just seen the final stage of its long-awaited face lift.

The first phase of the renovation, completed last summer, consisted of replacing the actual

brick walkway of the Olive Walk, leaving the landscaping for Phase II this summer.

Phase II of the Olive Walk renovation project was completed yesterday with the installation of about 11,500 square feet of Penn Blue sod, after five weeks of preparation by Physical Plant and various outside contractors. Work on this phase began on August

15 with the erection by Physical Plant (also referred to as B&G) announcing the intention of completion of the project within four weeks and detailing the project and its history.

The real work began a week later with removal of 12 inches of decomposed granite from the area. The resulting void was filled with a mixture of silty sand and

fir bark shavings designed to approximate topsoil, and initial grading was done with earth-moving machines. The final grading by hand began last Monday and the sod arrived Tuesday and was laid Wednesday.

The sod, composed of a mixture of Penn fine rye for disease resistance and various bluegrasses for texture and color, cost a little more than two kilobucks. When you add costs for the sprinkler contract, the soil contract, and Physical Plant labor, the cost of Phase II comes to about eleven kilobucks or so, according to rough estimates. The funds for the project, however, do not come from Caltech but rather from a gift intended for the beautification of the Caltech campus from an undisclosed source.

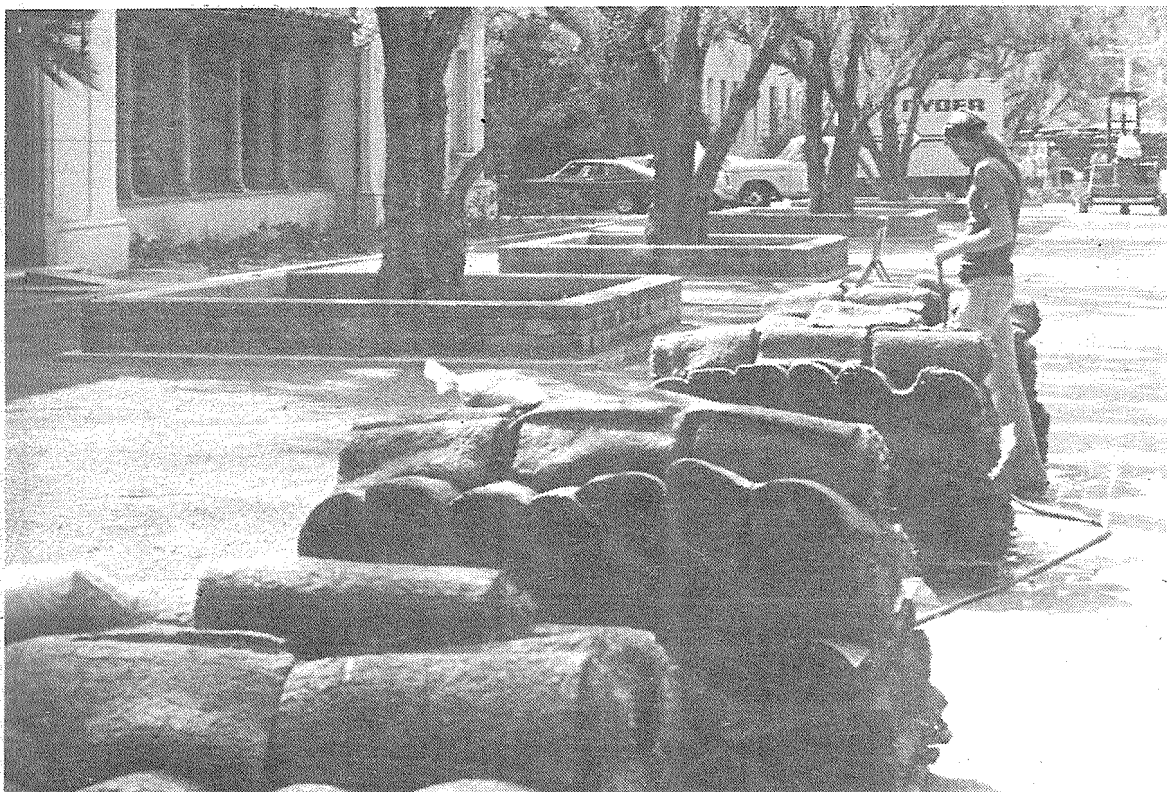
The sod, if it isn't injured in the next four to six weeks, should have a survival rate of about 99%. In order to help it out, it would be wise to avoid such activities as football or Frisby games on the new turf until the end of October. The Master's office will be provided with a number of dollies so that students arriving for first term will not have to drive on the Olive Walk in order to conveniently unload their belongings. However, if you *must* drive on the Olive Walk, you can minimize damage to the grass by not turning while driving on the grass and by parking for as short a time as possible.

Water Savers Prompt Threat

An anonymous caller to Physical Plant at 12:30 Wednesday morning demanded the removal of all water-saving devices from the student houses within 24 hours or Phil Rector, the Director of Physical Plant, would be killed. Officials have been unable to locate the source of the call, but suspect that it came from on campus. Lee Chapman, Director of Security, feels that the threat was not serious, but would like to see a meeting set up with student house representatives if there is sufficient interest in the problem.

The water-saving devices were installed after several students worked with Physical Plant over the summer. The actual devices simply restrict the water flow to urinals, sinks and showers and should cut consumption in the student houses by about one-third, a savings of several thousand dollars each year. This is one of the first of Caltech's conservation programs to impact heavily on the student houses.

Among other improvements, the summer students developed a plastic disk for insertion in urinals which cuts water consumption and costs only five cents to actually manufacture. Rector terms the device "beautiful." Meters have also been installed to determine just where the water on campus is being consumed.



B&G tending to sod prior to transplanting at Olive Walk site.

Photo-Al Kellner

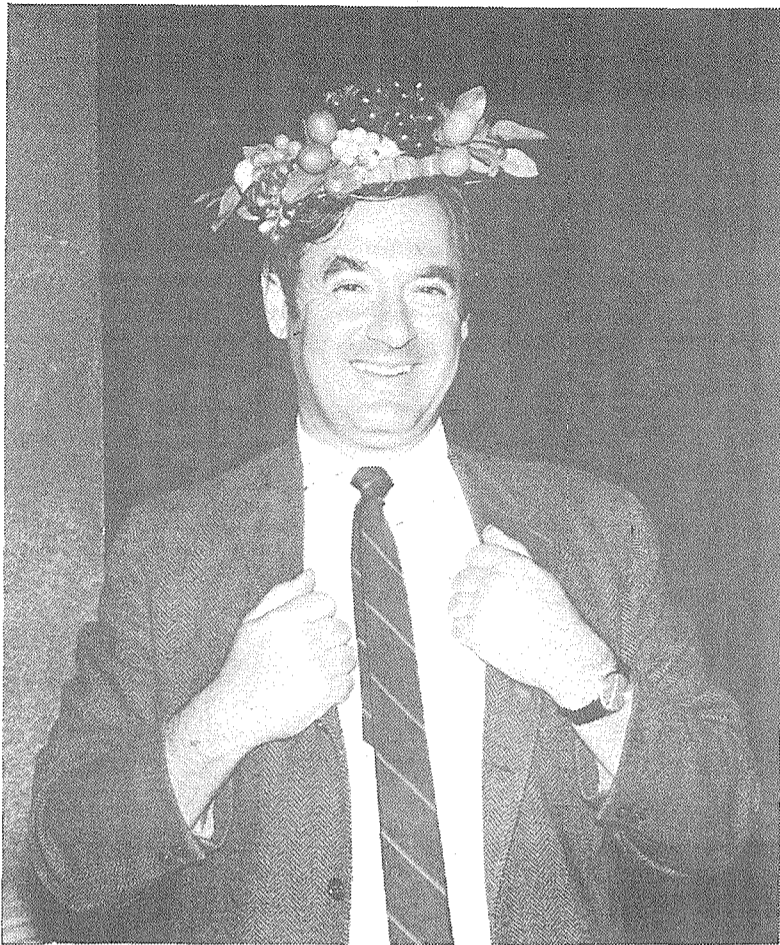
CANDIDATES CHOSEN BY HSS DIVISION

Continued from Page One

Frederick Jackson Turner professor at the University of Wisconsin; William Riker, a political scientist, member of the National Academy of Sciences, and Fairchild fellow, presently heading a program in policy studies at the University of Rochester.

Dr. Davis adds that the list is not closed yet, and that the committee is still considering several other possibly serious candidates. However, these seven names are the major candidates, and thus the committee's "highest priority."

The job of the committee is to find a replacement for Dr. Robert Huttenback, who is leaving the position of chairman to become the chancellor at the University of California at Santa Barbara. The committee began searching for a new chairman last May, and their goal is to have one by Dec. 1. However, as Dr. Davis explained, the job is difficult because, although the candidates are all great scholars, it is more important that the new Division Chairman be a capable administrator, too. The search committee hopes that by meeting with the candidates, it might be possible to see their non-academic side, and thus narrow the list to three or four names.



Who will replace this man?

Archives Attract Serious Scholars

The Caltech archives, located in the basement of the Millikan Library, are open to anyone with serious scholarly interest in its contents.

According to archivist Dr. Judith R. Goodstein, she's more than happy to let people with genuine interest examine a part of the archives. But requests to simply "have a look around" are not likely to be fondly received.

Started in 1968, the archives are an attempt to chart scientific progress since 1900 through the papers of important scientists of the period, as well as provide permanent record of the activities of the people associated with the institute.

Included in the collection are the collected paper and scientific library of such members of the Caltech community as Robert Millikan, Ellery Hale, Lee DuBridge and others such as Theodor Von Carmen, American physicist Fredrick Bedell, and chemist Edward Morley.

Not only do the archives provide information for those interested in the history of science or graduate students who wish to look at Millikan's or Hale's scientific papers, for example, but they are also occasionally used to settle scientific points. In the on-going quark controversy, question was made about a measurement Millikan discarded

because it was thirty percent lower than the others. Interested in finding the measurement in Millikan's notebooks and his comments on it, researchers found that Millikan only kept selected notebooks, those with his best measurements, and the deviant measurement wasn't recorded.

Also collected in the archives are personal memorabilia, correspondence and photographs of Caltech's past professors and administrators. Although these are also available for view, they are not available for casual browsing.

The archives are open during normal Caltech hours, and are located in the basement of Millikan.

LETTERS

An Apology to Totem Contributors

As the person who solicited nearly all of the material contained in the recently published *Lazarus Totem*, I feel responsible for its disposition.

For the last month I have been on vacation, and I was unaware that an issue was being put together, as well as being temporarily unavailable for comment. The new *Totem* editors (who I was also unaware of) mistakenly assumed that all of the material in the "Totem drawer" at the *Tech* office was available for immediate publica-

tion without further consultation with the authors. This was contrary to my promises to many of those authors—an unfortunate misunderstanding.

Without commenting on the quality of the *Lazarus Totem*, I would like to apologize to any authors dissatisfied with either the layout of their piece, the particular work selected, or the mere inclusion of any of their material at all. If you have any questions you may contact me at 963 E. Cal. Blvd. 793-8850

Chris Vestuto

NO TECH FOOTBALL THIS YEAR

Continued from Page One

without some regret. "Coach, it only takes eleven to play," lamented one game soul.

The demise of the program this year is less a defeat than a testimonial to its remarkable persistence in the face of the nearly insurmountable obstacles. To begin with, the average entering student lacks a solid athletic background and very few entering students are experienced in a given sport. This is apparent in basketball, for example, where the turnout is sufficient for both a varsity and junior varsity team, but both lack vital experience.

The entering student is also "running scared," in the words of Warren Emery. "He doesn't know if he can handle both athletics and academics, so we get many responses saying they want to wait and see. I think they should just go ahead and try them both. It should be clear after a week or two as to whether or not it's too much and the student is free to drop the sport."

The last time Caltech failed to

field a team was during the gas rationing days of 1942-44. Students were also preoccupied with military training for WW II. A team was fielded in the fall of '44 more through the efforts of Stanford than of Tech. The majority of the Stanford football teams of the early war years were at Caltech for technical military training along with a large portion of their coaching staff. Being enrolled at Caltech automatically qualified one for a

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STEP 7- END OF THE WEEK AND THERE'S \$150 LEFT!! CONGRATULATIONS, LIVE IT UP!!!

MAYBE NEXT YEAR...

How to Survive Food Service

By Dick Beatty

Back again for the fourth straight year is the old ten meals per week board contract. It doesn't take a great deal of thought to realize that this isn't quite sufficient for the average student's maintenance, and something has to be done about filling in the gaps. For breakfast on weekdays and all the meals on weekends there appear to be three favorite strategies: Starvation (the simplest), Spending-Lots-of-Time-At-It (not very practical if you want to pass a few courses now and then) and Spending-Lots-of-Money-At-It (the problem with this should be obvious). Some compromise (physicists read "linear combination") of these is necessary, but if you're not careful, you'll accomplish all three simultaneously.

Your first and foremost consideration should be your own health and proper nourishment. "Eating right" takes neither more time nor more money than eating fast or eating cheaply, but does require a little bit of thought. Here are a few guidelines you ought to follow:

Eat Three Meals a Day

Even if it's just an instant breakfast before a class, it helps balance your food intake throughout the day. Besides,

they only cost about a quarter. If you don't get up until right before lunch, then eat a third meal (again, perhaps only an instant breakfast) late in the evening. It's harder to keep to three meals a day on weekends but just as important if not more so. Trying to gorge yourself at the two food service meals only bloats your waistline and runs you down.

The ingredients label on a typical processed food package reads like the inventory of the Crellin stockroom. Buying natural products costs no more, but the end result tastes better and is actually nutritious rather than carcinogenic. Frequently you'll have a choice between both a preserved and a natural product; the motto here is *Buy Real*.

For example, most yogurt is riddled with chemicals, but the Pantry carries Johnston's yogurt (available in all your favorite flavors) which is made from completely natural ingredients (they even use kosher gelatin). It costs no more but is far superior to the "major brand" junk sitting next to it. Fresh fruits and vegetables can't be beat, but otherwise buy the frozen variety in the large plastic bags (the small boxes are a ripoff). These generally contain no preservatives and taste nearly as good as fresh

if you don't overcook them. Canned vegetables are a disaster from every point of view. Above all, get into the habit of *reading the label*. You'll be surprised at how much crap is put into what used to be food, yet you'll be pleased to see how many completely natural products you can buy.

Eat in a Group

If you have four people collaborating on one meal there's a whole lot less work for each person to do and the food usually turns out better. Some people form food co-ops that last for weeks or even months, but you can usually put something together on the spur of the moment that is less confining. After all, everybody has to eat, and nobody wants to do more work than they have to.

Eat Out Frequently

Not only does this save you the bother of planning and executing a meal (!) but it provides a welcome break from the dull campus routine and can be a very enjoyable experience away from school. It doesn't have to be expensive or time consuming. In the past the *Tech* has run an excellent series of restaurant reviews which can suggest places to visit or avoid the next time hunger strikes.

NO FOOTBALL TEAM THIS YEAR

Continued from Page Two

student deferral in the draft, unlike many other California schools, consequently athletes who would have opted for schools with superior programs sought out Tech as a temporary haven.

At any rate, Institute President Robert Millikan approved the re-initiation of football at Caltech in the fall of '44 and the teams of the final war years were among the best in Caltech's history. Since then, the reign of King Football in college and universities was unchallenged until the early seventies, when a certain European import began to make its impact felt.

While the Tech football team went under with 15 prospects, a more than adequate number, 23, turned out for soccer. At Pomo-

na, 48 turned out for soccer this fall as opposed to 35 for football. A whopping 57 hopefuls showed up for soccer at Claremont. Proponents argue that the fastest-growing sport among youngsters in the U.S. is better than football both psychologically and physically. Indicative of the trend, Kyle Rote Jr., who was probably the best player in the North American Soccer League before the import of such foreign notables as Pele and Franz Beckenbauer, is the son of one of Southern Methodist University's greatest football stars.

Organization of a Caltech football team this late in the year wouldn't be too difficult from a scheduling point of view as the schools Tech cancelled games with have probably not rescheduled games for those dates, but the advent of the school year would limit the team to one-a-day practices instead of the two-a-days critical to proper conditioning.

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What I Did On My Summer Vacation

Forget the Victim—What About the Poor Jury?

By Etaoin Schroedlu

All those times long ago when wild-eyed English teachers used to assign themes on "How I Spent My Summer Vacation," I really never had anything much to say. Now, of course, I don't have to write a paper on the subject, and something interesting finally happened to me: this past summer I was on jury duty. There's no justice in the world. Speaking of which . . .

Last summer was when I first set eyes on an official communication from the jury people; it was an official questionnaire, asking various of the vaguely impertinent questions which always adorn official question-

naires and demanding that it be returned to somewhere in deepest officialdom. I complied, fearing the worst and including a change of address. (One of my few recently-acquired abilities involves using changes of address to baffle the unwary, in whose ranks the U. S. postal service stands tall.) I was expecting to be grabbed up and never heard from again. I heard nothing.

However, devious are the ways of the jury people. This summer, long after I had forgotten their existence, I was informed, at last summer's address, to report downtown (L.A., that is) on day x to do my duty as a citizen. In the intervening year, I had

outdone even myself, moving three times, but since the summons was for the county courthouse and I had lacked the forethought to flee the county entirely, I decided it would be best to go. (A delay would have indubitably resulted in the matter coming up again at some even more inconvenient time.)

For those of you who are curious, this is how it all works (at least downtown). Your tour of duty is a calendar month from your reporting date, and they are supposed to let you go at the end of that time unless you're on a case. It is possible to get time off or even postponements with a reasonable excuse, but the time is tacked on later. Incidentally, one common fallacy is that all names are taken from the voting rolls. I understand from a colleague that this is no longer true. Apparently some court decided this method was discriminatory against people who aren't registered to vote, so nowadays some provisions are made for non-registered people to be called. Of course, I don't know what those provisions are and doubt that they fully account for the unregistered

slackers among us, but that's the situation.

When you report to the Jury Assembly Room of their choice, you will find out that the typical day is just *full* of thrills. There is even cultural education for those of you who happened to miss the original incarnation in the United States Armed Forces: Hurry-Up-and-Wait is very much alive and well in the Los Angeles County judicial system, particularly the Wait. I took along something to read every day; great way to prepare for the school year. Enterprising souls often set up card games too; it was the first time I'd ever seen whist played. It's quite interesting to sit down at a bridge table with three people you've never seen before in your life and on your first hand be dealt nine clubs to the AKJ10.

Calling the Jury Panel

Once a day roll is called, so you can eventually get paid your munificent \$5 a day plus \$.15 per mile, one way, for travel. Every once in a while, as determined by a Poisson distribution I believe, a Jury Panel is called. When this happens, the authority in your Assembly Room will randomly choose the requested number of potential jurors, who will then go to the specified courtroom and stand around for half an hour waiting for the people who sent for you to decide if they really want you or not. (Twice my group eventually found out the case had been settled, presumably because someone looked out the window and got a good look at us.) If they decide they want you after all, you go into the courtroom and sit down quietly, then someone else picks more names at random, until the jury box is full.

At this point the examination of the prospective jurors begins. Both the judge and the two sets of lawyers ask all the prospective jurors various questions designed to find out who can give the case a fair and unbiased decision. At least, that's the idea. Any number of jurors can be excused for cause, or strong evidence of probable bias, and a number, depending on the type of case, can be excused by each side on so-called peremptory challenges, for which no reason must be given. If you really don't want to sit on a case, it's quite easy to see to it that you don't.

Beercans: Deadly Weapons

I was on several panels where I never made it to the jury box, as the jury was filled before my name came up. One case featured a lady who had slipped on some jelly beans and was suing the supermarket on whose floor the jelly beans had allegedly been lying. This case featured a scintillating lawyer for the plaintiff. At one point, he asked a prospective juror portentously, "Have you ever seen a jelly bean?" Another case I would have enjoyed sitting on, I think, involved a police officer who was assaulted with a deadly weapon, "to wit, one full can of beer." In this one, the judge asked every prospective juror—I never did find out why—if they had any bumper stickers on their car. One man answered her yes, he did; it said "Save a Tree. Eat a Beaver." For some reason, this cracked up the entire courtroom, including her Honor, who then asked if

one could conclude that he was an environmentalist. He said "yes." When asked if the thought that this would prejudice him in any way either for or against the defendant (the standard question in these matters), I inquired if the brand was Coors beer. Fortunately, I wasn't heard. I doubt that remark would have been in order.

Of Pointy Heads and Ivory Towers

I only made it to the jury box on two cases, and to my surprise I was kept on the jury for both. The first was a concealed weapon case, and right off the bat the lawyer for the defense asked me my opinion of gun control. When I said that I'm for it, I thought I'd be gone right away, but I wound up staying, although almost everyone else was excused. Maybe the lawyer figured that my obvious pointy-headed intellectualism would help her client more than my ivory-tower anti-gun bias would hurt him. (Incidentally, I got to see both judges and lawyers of both sexes. Of my sample, I'd say that the women judges were probably better than the men, and the female lawyers were no worse than the male.) "As it happened, that case was open-and-shut; I'm not sure what it was doing in court anyway. It took two days to hear, of which about 85% was waiting for something to happen, and about ten minutes to deliberate. (He was guilty, if you're interested. Fortunately for us, but unfortunately for him, the law was very emphatic that it mattered not a whit why he had concealed the weapon, only that he did. He was black, and we were all convinced that the only reason he was stopped by the policeman was that he was black—so was the policeman, for that matter—but what can you do? First dose of regrets.)

That was a criminal case; there were also civil cases, such as the jelly bean business, and an auto accident ("You aren't going to assume that any accident must be the woman driver's fault, are you?"). There are also traffic court, which I was mercifully spared, and conservator cases, which I was not spared.

Person vs. Non-person

Just as my tour was ending and I was beginning to hope that I'd actually get off without further problem, my name was called with a group to go off somewhere on San Fernando Road and be prospective jurors on a conservatorship case, wherein it was to be decided if a certain individual was to remain a conservatee (*i.e.*, a non-person) or not. It had all the makings of a nasty-sounding case to have to decide, and my time was running out anyway and I did *not* want to miss any of the start of my school year, so of course Murphy's Law guaranteed that I would get called into the box. Even after I told the judge that I was willing to sit on the case if it didn't go over my calendar month but that it would be very inconvenient for me if it did, nobody threw me off the jury. The judge "guaranteed" to me that the case would be over in time. (If my attitude was bad citizenship toward the cause of justice, and I'm inclined to believe it was, what does that make his?)

Continued on Page Ten

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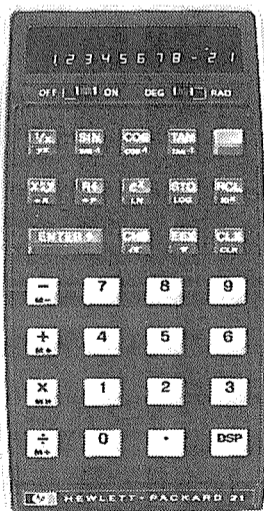
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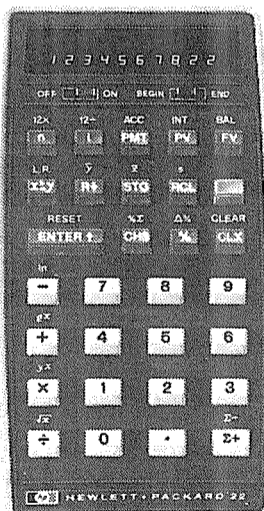
Its 98-step program memory and 16 of its 30 storage registers stay "on" even when the calculator is "off," so you can store programs and data for as long as you wish. Continuous Memory plus fully merged keycodes bring typi-

cal program memory capacity to 175 keystrokes and beyond. Insert/delete editing. Conditional and unconditional branching. Three levels of subroutines. 10 decision tests. Exceptional versatility at an exceptional price.



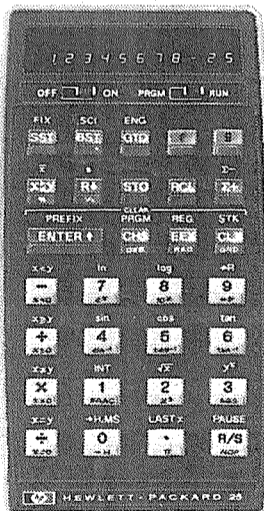
HP-21 Scientific.
\$80.00*

Performs all standard math and trig calculations, the latter in radians or degrees. Performs rectangular/polar conversions. Displays in fixed decimal or scientific notation. Our lowest priced scientific.



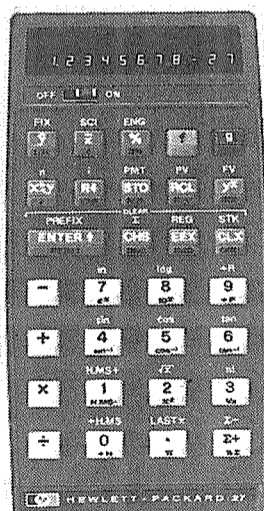
HP-22 Business Management.
\$125.00*

A new kind of management tool. Combines financial, statistical and mathematical capabilities. Enables business students to forecast faster, more easily and with greater certainty.



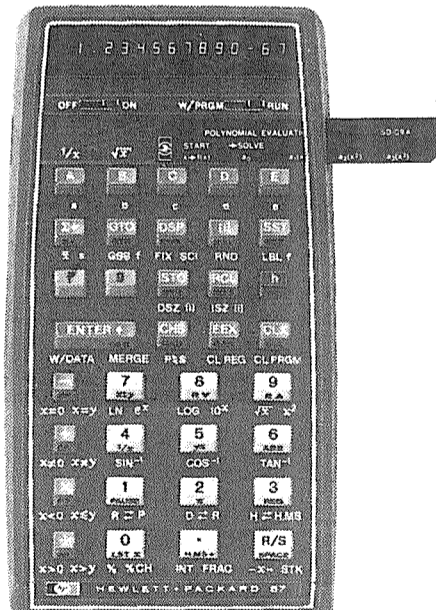
HP-25 Scientific Programmable.
\$125.00*

Solves repetitive problems automatically. Enter your formula once; thereafter only variables. Requires no software, no "computer" language. Our lowest priced programmable. We also offer an HP-25 with Continuous Memory, the HP-25C, for \$160.00*. It retains programs and data even when turned "off."



HP-27 Financial/Statistical/Scientific.
\$175.00*

Contains the most preprogrammed scientific functions we've ever offered, plus comprehensive statistical and financial functions. Lets you forecast, allocate resources, analyze costs—quickly.



HP-67 Fully Programmable.
\$450.00*

The most powerful pocket calculator we've ever built. 224-step program memory. 26 storage registers. "Smart" card reader records contents of both. Fully merged keycodes increase typical program memory capacity up to 450 keystrokes and beyond. Superior editing capability.

616/51

*Suggested retail price, excluding applicable state and local taxes - Continental U.S., Alaska and Hawaii. Displays are photographed separately to simulate typical appearance.

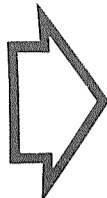


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CALTECH

TEACHERS SAVE 20%

**FACULTY AND STAFF
SAVE 10%**



CALTECH STUDENTS: For most events in this brochure, you may purchase tickets NOW at 20% off the prices noted in this ad (see elsewhere in this announcement for information about RUSH tickets and other SPECIAL TEACHER discounts). **FACULTY AND STAFF:** For most events, you may buy tickets at 10% off the prices noted in this ad.

CALTECH STUDENT, FACULTY and STAFF DISCOUNT TICKETS are available in person or by mail from the CALTECH TICKET OFFICE, 332 So. Michigan Avenue (north of Beckman Auditorium, across the parking lot). Mailing address: Ticket Office, 332-92, CAMPUS. Phone orders charged to VISA, BANKAMERICARD or MASTER CHARGE may be placed by calling campus extension 1652 or 793-7043. Ticket office hours: Mon.-Fri.—10:00AM to 4:30PM; Saturdays—10:00AM to 1:00PM.

HARVEY PITTEL

SAXOPHONIST Pittel is as at home with the Boston Symphony (with whom he recently premiered a new work by Berio) as he is with a campus jazz group. The program for his Caltech recital will feature traditional serious, contemporary, popular and jazz compositions.

WED., MAR. 8/8:00PM

Public price: \$6.00

RAMO AUDITORIUM

THE ANNUAL CALTECH MUSICAL FIORELLO

Students, faculty and staff of Caltech will join together in presenting this happy-go-lucky musical, featuring music by JERRY BOCK, book by JEROME WEIDMAN and GEORGE ABBOTT, and lyrics by SHELDON HARNICK. Songs included in this production:

On The Side Of The Angels *The Name's LaGuardia* *Home Again*
Gentleman Jimmy *Little Tin Box* *Politics and Poker*
The Very Next Man

FRIDAY, FEBRUARY 24/8PM SATURDAY, FEBRUARY 25/2PM & 8PM
SUNDAY, FEBRUARY 26/7PM (all performances in Ramo Auditorium)
Public price: \$3.50 CALTECH STUDENTS: \$2.00

DRAMA

"MIDSUMMER NIGHT'S DREAM" by Shakespeare presented by Oxford-Cambridge Shakespeare Company Sat., Oct. 8/8PM/Beckman Auditorium Public prices: \$7.50-6.50-5.50

"ASIAN-AMERICAN COMMITTEE HEARINGS" presented by East-West Players Mon., Mar. 6/8PM/Ramo Auditorium Public prices: \$5.00 general admission

"ELECTRA" by Sophocles (Spectrum Production 15) Fridays & Saturdays, Oct. 21, 22, 28 & 29, and Nov. 4 & 5/8PM/Ramo Auditorium Public prices: \$5.00 general admission

"THURBER II" featuring WILLIAM WINDOM in person Sat., Apr. 1/8PM/Beckman Auditorium Public prices: \$6.50-5.50-4.50

"OTHELLO" by Shakespeare presented by N.S.C. Productions Sat., Feb. 25/8PM/Beckman Auditorium Public prices: \$6.50-5.50-4.50

SPECTRUM PRODUCTION (title to be announced) Fridays & Saturdays, April 14, 15, 21, 22, 28 & 29/8PM/Ramo Auditorium Public prices: \$5.00 general admission

"FEVER DREAM" and "LAST SUNDAY" presented by L.A. Mask Theatre Tues., May 9/8PM/Ramo Auditorium Public prices: \$5.00 general admission

Festival of Light



featuring
CALTECH GLEE CLUB (men's and women's sections)
Apollo Singers, Chamber Singers, and Caltech Brass Ensemble
Produced by OLAF M. FRODSHAM

This is the sixth annual presentation of Caltech's spectacular celebration of the Christmas and Hanukkah season through music, song, pageantry, and the spoken word. Production features a cast of more than 100!

FRIDAY & SATURDAY, DECEMBER 2 & 3/8PM
SATURDAY & SUNDAY, DECEMBER 3 & 4/4PM
BECKMAN AUDITORIUM
Public Price: \$5.00

LECTURES

EARNEST C. WATSON CALTECH LECTURE SERIES

Oct. 19/DR. IVAN E. SUTHERLAND
"The Integrated Circuit Revolution Is Only Half Over"

Nov. 2/RUTH DEE SIMPSON
"Evidence of Ice-Age Man in Southern California"

Nov. 16/DR. JOHN D. PETTIGREW
"Vision and Birds of the Night"

Dec. 7/DR. MURRAY GELL-MANN
"The Search for Unity in Particle Physics"

Jan. 4/DR. BRUCE MURRAY
"Solar Energy—True God or False Prophet?"

Jan. 18/DR. SAMUEL EPSTEIN
"Isotopes and Tree Rings—Their Relationship to Climates of the Past and Present"

PLUS SIX MORE LECTURES
(on Feb. 15, Mar. 1, Mar. 29, Apr. 12, Apr. 26 & May 10)

The Watson Lectures are at 8:00PM in BECKMAN AUDITORIUM

CALTECH Y LECTURES

DR. PAUL MAC CREADY/
"The Gossamer Condor—
An Ancient Dream Realized" Mon., Oct. 3

DR. EDWARD STONE/
"Voyager: Its Scientific Mission" Thurs., Oct. 6

JACK ANDERSON Tues., Dec. 6

THELMA MOSS Wed., Jan. 11

PLUS OTHER LECTURES STILL TO BE ANNOUNCED

The Caltech Y Lectures are at 8:00PM in RAMO AUDITORIUM

OTHER LECTURES

Evangeline Burgess Memorial Lecture/
presented by the Pacific Oaks College and Children's
School (lecturer and topic to be announced)
at 8:00PM in Beckman Auditorium Wed., Apr. 19

ALL LECTURES ABOVE ARE FREE
TICKETS ARE NOT REQUIRED

FOR INFORMATION ABOUT ADMISSION-CHARGE LECTURES, SEE LISTINGS ELSEWHERE IN THIS AD UNDER "ARMCHAIR ADVENTURES" AND "LEAKY LECTURE SERIES."

HOME CONCERT

Annual Spring Jubilee of THE CALTECH GLEE CLUB (men's and women's sections)
Saturday, May 13 BECKMAN AUDITORIUM Public price: \$4.00 (CALTECH STUDENTS: FREE)

SEVENTY-FOURTH SEASON/1977-78 COLEMAN CONCERTS

SUK TRIO Sunday, October 9 at 3:30PM
DELLER CONSORT Sunday, October 23 at 3:30PM
BORODIN PIANO TRIO TUESDAY, January 24 at 8:00PM
QUADRO HOTTETERRE Sunday, March 5 at 3:30PM
AUDITION WINNERS CONCERT (Ramo Auditorium) Sunday, April 2 at 3:30PM
SALZBURG MOZARTEUM STRING QUARTET Sunday, April 9 at 3:30PM
AMADEUS QUARTET Sunday, May 7 at 3:30PM

Public prices: \$7.00-6.00-5.00-3.50 (except April 2- \$3.00 general admission)

CALTECH STUDENTS: 50 FREE tickets, and 50 tickets PRICED AT \$1.00 each, are available to Techers (limit of one free and one \$1 per student) for each of these concerts. The tickets are sold on a first come, first served basis at the Caltech Ticket Office, beginning at 10:00AM on the TUESDAY preceding the concert.

AKIYOSHI TABACKIN BIG BAND

THE BIG JAZZ SOUND

SAT., JAN. 23/8PM BECKMAN AUDITORIUM PUBLIC PRICES: \$8.00-7.00-6.00

ANGEL ROMERO

CLASSICAL GUITARIST

"...belongs to the new generation of guitar virtuosos...
...a fiery burst of romanticism (and) a model of baroque clarity and balance."—TIME Magazine

FRI., MAY 5/8:00PM BECKMAN AUDITORIUM
Public prices: \$6.50-5.50-4.50

Laurindo Almeida & Deltra Eamon

with special Guest Artist, percussionist CHUCK FLORES
Guitarist ALMEIDA and Soprano EAMON present a program of JAZZ, BOSSA NOVA, improvised CLASSICAL, POPULAR and BROADWAY music.

SAT., APR. 8/8:00PM BECKMAN AUDITORIUM
Public prices: \$6.50-5.50-4.50

PUBLIC EVENTS 1977-1978

All events in this ad, unless otherwise noted, are sponsored or co-sponsored by the CALTECH FACULTY COMMITTEE ON PROGRAMS

FOR FURTHER INFORMATION ABOUT ANY OF THESE EVENTS, CALL THE CALTECH TICKET OFFICE AT CAMPUS EXTENSION I652

TICKET AGENCY

Located in the CALTECH TICKET OFFICE (on campus at 332 South Michigan Avenue) are branch offices of the following area ticket services:

MUTUAL TICKETRON.

Through these agencies you may purchase tickets for most Southern California

ROCK CONCERTS

SPORTS EVENTS

DRAMA PRODUCTIONS

FAMILY ATTRACTIONS

SERIOUS MUSIC CONCERTS.

(You may also make reservations for CALIFORNIA STATE PARKS.)

Service charges: Mutual Orders—\$1/order; Ticketron Orders—average of \$0.60 per ticket (state park reservations—\$1.75/reservation).

AGENCY HOURS: Mon.-Fri.—10AM to 4:30PM; Sat.—10AM to 1PM.

VIENNA CHOIR BOYS

This internationally famed choir returns to Caltech, for the sixth time in eleven years, with a program which includes sacred music, secular songs, and a fully-costumed comic operetta.

SAT., NOV. 5 BECKMAN AUDITORIUM
Public prices: \$8.50-7.50-6.50

VICTORIA DE LOS ANGELES

The legendary Spanish SOPRANO returns on another world tour, after several years' absence, to this, her only Southern California appearance this season. Program will include songs of Spain, German lieder and French art songs.

FRI., NOV. 11/8:00PM BECKMAN AUDITORIUM
Public prices: \$8.50-7.50-6.50

RICHARD GRAYSON

PIANIST

Part of Richard Grayson's concert program will illustrate his widely-known improvisational skills. He will take musical themes directly from the audience and extemporize on them in the styles of famous classical composers such as Bach, Beethoven, Chopin—or others designated by the audience.

SAT., MAY 20 Public price: \$6.00 RAMO AUDITORIUM

Chamber Music

In addition to the COLEMAN CHAMBER MUSIC ASSOCIATION concerts, and the DABNEY LOUNGE concerts, the following chamber music events will also be offered:

ARNOLD STEINHARDT, violin, and LINCOLN MAYORGA, piano
Thurs., Nov. 10/8PM/Ramo Auditorium
Public price: \$6.00

MALCOLM HAMILTON, harpsichord
Fri., Feb. 3/8PM/Ramo Auditorium
Public price: \$6.00

WAVERLY CONSORT
Sat., Mar. 4/8PM/Beckman Auditorium
Public price: \$7.50-6.50-5.50

GRAUDAN-SCHOENFELD TRIO
with Milton Kestenbaum and Milton Thomas
Wed., Apr. 5/8PM/Ramo Auditorium
Public price: \$6.00

MUSICAL OFFERING
Wed., May 3/8PM/Ramo Auditorium
Public price: \$6.00

PASADENA CHAMBER ORCHESTRA
Robert Kenneth Duerr, conductor
Tues., May 16/8PM/Ramo Auditorium
Public price: \$5.00

LEAKEY LECTURES

Co-sponsored by the L.S.B. Leakey Foundation

- GERALD DURRELL/
"The Stationary Ark" Sat., Oct. 15
- PETER MATTHIESSEN/
"The Snow Leopard" Tues., Oct. 25
- BRIAN FAGIN/"The Tomb
of Tut-Ankh-Amun" Tues., Jan. 17
- MARY LEAKEY/"Recent
Discoveries in the Search for
Early Man at Olduvai
Gorge and Laetolil,
Tanzania" Tues., Mar. 7
- ROBERT ARDREY/
"Poet out of Predator" Tues., Apr. 4
- JANE GOODALL/
"Some Aspects of
Chimpanzee Intelligence" Tues., May 2

All lectures at 8:00PM in BECKMAN AUDITORIUM
Public price: \$4.75 (series of six: \$24)

CALTECH STUDENTS: Fifty (50) tickets, priced at \$1.00 each, for EACH lecture, will be available to Caltech students. These tickets will go on sale at the Caltech Ticket Office (332 So. Michigan Ave.) on the TUESDAY preceding each lecture. They are available on a first-come, first-served basis (limit of two tickets per lecture per student, and a Tech i.d. card is required).

Philippe ENTREMONT

The world renowned French pianist will play Bach's "Partita No. 1 in B-flat," Beethoven's "Sonata No. 15, Opus 28 [Pastorale]," Chopin's "Nocturne No. 8 in D-flat" and "Scherzo No. 2 in B-flat," and Ravel's "Sonatine" and "Gaspard de la nuit."

FRI., OCT. 21/8:00PM BECKMAN AUDITORIUM
Public prices: \$7.50-6.50-5.50

Armchair Adventures

A SERIES OF SEVEN TRAVEL DOCUMENTARY FILMS, COORDINATED BY DWIGHT LONG

LONDON TO LAND'S END
personally narrated by JONATHAN HAGAR
Friday, November 18

ISRAEL
personally narrated by CLAY FRANCISCO
Friday, January 13

YANKEE SAILS SCANDINAVIA
personally narrated by CAPTAIN IRVING JOHNSON
Friday, February 10

THE KINGDOM OF THE NETHERLANDS
personally narrated by RUSS POTTER (photographed by Jan Boon)
Friday, May 19

AUSTRALIA
personally narrated by KENNETH ARMSTRONG
Friday, March 10

GREEK ISLANDS ODYSSEY
personally narrated by ROBIN WILLIAMS
Friday, April 7

TREASURES OF ITALY
personally narrated by KENNETH RICHTER
Friday, April 21

ALL EVENTS IN BECKMAN AUDITORIUM AT 8:00PM

(Only a very few seats remain. Public price: \$3.00 per film / series of seven: \$19.25)

CLEAR DAYS

A two-day Festival of the Arts on the BECKMAN MALL & in Ramo Aud. & Dabney Lng. Sponsored by the PASADENA ARTS COUNCIL & Caltech. SAT. & SUN., MAR. 4 & 5

Dabney Lounge Concerts

BAROQUE JAZZ ENSEMBLE (Sun., Nov. 20). Ira Schulman, director. Program will be based on the theme, "From Baroque to Jazz."

PYRAMID (Sun., Jan. 8). Jill Shires, flute; Donna Hubregtse Metz, flute; Julie Green, violoncello; and Patricia Mabee, harpsichord. Program features works by Couperin, Muthel, Bach and d'Hervelois.

THE MONTAGNANA TRIO (Sun., Jan. 22). John Gates, clarinet; Delores Stevens, piano; and Caroline Worthington, cello. Works by Beethoven, Heussenstamm and d'Indy will be performed.

ANDO-SEYKORA DUO (Sun., Feb. 12). Kathryn Ando, piano; and Fred Seykora, cello. An all-Beethoven evening will be presented.

BERT WELLS, harp (Sun., Feb. 19). Program features compositions by Pescetti, Faure, Debussy, Natra and Salzedo.

DAVID ZELINSKY, cello (Sun., Apr. 16). Works by Carter and Schubert will be performed.

ALL CONCERTS AT 8:00PM IN THE LOUNGE, DABNEY HALL/NO ADMISSION CHARGE

*STUDENT RUSH

CALTECH STUDENTS: For most of the events in this brochure, you may purchase "RUSH" tickets, priced at \$1.00 each, on the day of the performance (in the Caltech Ticket Office beginning at 10:00AM, or at the event box office beginning one hour before performance time), IF ANY TICKETS REMAIN FOR SALE. Limit of two tickets per Techer per event; Tech student identification card is required.

ENTERTAINMENT IN L.A.

By David Ritchie

For the first *Tech*, we'll give our readers an introduction to the entertainment scene in the LA/Pasadena area.

For those interested in classical music, there are many opportunities. There is, of course, the LA Philharmonic, conducted by Zubin Mehta. The concert season opens October 20 and continues through April. Student discount subscriptions are available at half price and the Caltech Y always buys several season tickets, available to students on a first-come, first-served basis for a nominal price. They also provide transportation to the Los Angeles Music Center, so you can't miss. Talk to one of the Y secretaries or Walt Meader for more details.

Henri Temianka and the California Chamber Symphony will be giving four concerts this season at UCLA. Call 658-8944 for more information.

The Pasadena Symphony, conducted by Daniel Lewis, offers several concerts this year. Call 793-7172 for more information.

Caltech's own concert series opens October 1 with "A Salute to Glenn Miller," but it is not a total loss as the Oxford Cambridge Shakespeare Company comes October 8 with *A Midsummer Night's Dream*. Rush tickets are nearly always available for Caltech events. One dollar to students with ID. Call 793-7043 for more information or visit the Office of Public Events behind Beckman Auditorium. They are a Ticketron and Mutual outlet and most of your ticket needs can be taken care of without leaving campus.

There is live theatre at the Mark Taper Forum and the Ahmanson Theatre of the Music Center, not to mention dozens of small theatres throughout the LA basin whose productions are usually excellent and admissions low.

Continued on Page Ten

Book Review

An Historical Novel That Works

My first introduction to Robert Graves was in an interview in a recently published book, *Writers at Work: The Paris Review Interviews*, edited by George Plimpton. I was immediately struck by his boldness; unlike the other writers being interviewed, he opens the interview:

Graves: Do you notice anything strange about this room?

Interviewer: No.

Graves: Well, everything is made by hand—with one exception; this nasty plastic triple file which was given me as a present. I've put it here out of politeness for two or three weeks, then it will disappear. Almost everything else is made by hand. Oh yes, the books have been printed, but many have been printed by hand—in fact some I printed myself. Apart from the electric light fixtures, everything else is handmade; nowadays very few people live in houses where anything at all is made by hand.

Interviewer: Does this bear directly on your creative work?

Graves: Yes; one secret of being able to think is to have as little as possible around you that is not made by hand.

This is as eccentric as anything I have ever heard. Of course, living on Majorca, as Graves does, might be another

secret. Anyway, on the basis of this lively interview I decided to read one of his many books, *Claudius*, first published in 1934.

Here is a book which has convinced me that an historical novel can succeed both as novel and history. It is the story of Rome from 40 B.C. to about 4 A.D.; the Rome of Livy and Tacitus; of Emperors Augustus

Continued on Page Nine

Calendar

For Colored Girls Who Have Considered Suicide/When the Rainbow Is Unfurled, Mark Taper Forum, 135 North Grand Avenue (972-7211). A choreo-poem by Ntozake Shange runs through September 25.

Half a Deck, Coronet Theatre Studio Three, 368 North La Cienega Boulevard (273-7275). Runs indefinitely Friday and Saturday evenings at 8:30.

Playwright's Workshop Festival of One Act Plays. Los Angeles Actor's Theatre, 1089 North Oxford Avenue (464-5500). Monday through Wednesday nights at 8:00.

Purse Strings, La Mama Theatre, 1276 North Van Ness Avenue in Hollywood (995-0248). Presented by the Public Works Improvisational Theatre Company. A comedy dealing with the confusion of today's society in dealing with money, power, self-esteem and love. Sundays and Mondays at 8:30 pm.

Screen Play, The Cast Theatre, 804 North El Centro, Hollywood (980-2740). Runs through October 2 with performances at 8:30 pm Thursday through Saturday and Sunday evenings at 7:30.

Tom Jones, The Aghape Players, 231 Golden Mall South, Burbank (846-7897). An elegant, hilarious comedy of love and debauchery based on the novel by Henry Fielding. Runs through November 6, Thursdays through Saturdays at 8:30 pm and Sundays at 7:30 pm. Opens September 29.

Psychology and Therapy Film Series, The Royal Theatre, 11523 Santa Monica Boulevard, West Los Angeles (478-1041). A series of films covering all aspects of psychology and therapy from the story of C. S. Jung to theories of how right- and left-handedness affect prejudices and values. The series runs Sundays at 11:00 am and 1:00 pm through November 20.

The RKO Years—Major Film Retrospective. Los Angeles County Museum of Art, Leo S. Bing Theatre, 5905 Wilshire Boulevard (937-4250). A collection of the major RKO films of the '30's, '40's and '50's. Through October 1.

Chuck Mitchell & Hank Garcia, The Ice House, 24 North Mentor Avenue, Pasadena (681-9942). Two hilarious acts of comedy and song at Pasadena's own Ice House. This act runs through September 25 and is followed by *Hello People* and *Bob Ward* through October 2.

The Art of the (Yawn) Original Plot

James Bond and the Spy Who Loved Me is an above average James Bond story with Roger Moore in the title role and Barbara Bach as the beautiful Russian spy. The story opens aboard a Royal Navy nuclear submarine which is stolen, literally, right before your eyes. Later, a Russian sub pulls the same vanishing act. Naturally (for the movies at any rate) both sides team up to get their subs back, and Bond and the Russian get to practice their own kind of detente. It turns out that a mad marine biologist named Stromberg is behind the plot and wants to use the nuclear missiles aboard the two stolen subs to

start a massive global war. He wants mankind to be forced to live in his underwater dream cities under his rule.

The picture goes through the standard fights, murders and chase scenes and is a lot of good clean fun. In the end, Bond, in his own inimitable way, reprograms the missiles seconds before firing such that they pass each other in mid-air and blow up both subs. Bond then rescues the Russian just as torpedoes from an American sub destroy enemy headquarters in the traditional burst of flames and smoke. Needless to say, Bond and the Russian barely escape and share the last moments of the film

alone... well, almost alone.

The most memorable character in the film is a seven-foot tall henchman for the bad guys with the rather appropriate name of Jaws. You see, he has steel jaws and survives everything. He is run into by a truck (poor truck). A pyramid falls on him, no problem. He drives off of a 100-foot cliff and walks away brushing the dust off of his suit. Bond pushes him out of a moving train and he turns up slightly scratched. Finally, believe it or not, Bond tries to feed him to Stromberg's pet shark; too bad for the shark. Jaws is just about the only survivor of the movie besides Bond and the Russian.

As far as the movie goes, it's great entertainment, lots of action, and lots of laughs.

David Ritchie

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HP 28C 28C-29	299.95	HP 31C 31C-32	129.95
HP 22 Real Estate Bus	99.95	HP 90 PowerLite E Bus Banking	234.95
HP 53 53 prog. Screen Wax \$335	133.95	HP 9100 HP4500 screen	259.95
HP 21 Slide rule/Screen	63.90	HP 10 Handheld AC DC printer mem	138.95

Texas Instruments

Model	Your Cost	Model	Your Cost
TI 59 590 prog steps 100 mems	\$229.95	TI 59 400 prog steps 50 mems	\$197.95
PC100A print. compatible \$9.95 \$2.56	168.95	TI 59 100 program steps Screen	62.95
SR 40 Count slide rule	24.95	SR 52 2 SP Super scroll-coor	48.95
SR 50 100 step prog	79.95	TI 30 Screen slide rule	17.95
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Money Manager RVE Finance	18.95	Data Chp 1000 Hrs/serial mem/CD	28.95
SR 52 Memory/Guaranteed by TI	119.50	TI 2550 3 Bus. with mem	25.95
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TI 5215 Printer dash type	54.95	M 8 Super Bus. Analyst	67.95
TI 1600 Instant Replay calc	25.95	Little Prof for kids 5 vprduc	12.95
TI 5100 dash top digital mem	43.95	Data Man (Big Prof) educ. great	21.95
Labmate for TI 55-58	79.00		

Specials

Model	Your Cost	Model	Your Cost
Norelco new model NT-1	\$177.00	Olympus 1 500 Transc. compal. with	\$219.95
Norelco #95 Decating unit	149.00	Sony M 101 Linear MC20 Panasonic, etc.	62.95
Norelco #92 Decating unit	167.00	Texas Inst. LED watch/elec. func.	\$195 up
Norelco #88 Decating unit	255.00	Hughes Aircraft Calc. Watch mem. 8 dig. 125.00	
Norelco #7 Transc. or Dict. unit	209.00	Chromagraph 15 font LCD/1000/1000	49.95
Norelco #8 Transc. or Dict. unit	209.00	Chromagraph 15 font LCD/1000/1000	59.95
Norelco Transcates 30 minutes	419.00	Elect. Calc. Jock/elec. sing. game	39.95
Norelco #88 Transc. or Dict. unit	209.00	Elect. Prog. Chess Game play alone	199.95
Crig 14100 Dict. France	189.50	Elect. Prog. Backgammon Game	199.95
Sony M 101C min dict unit	154.95	PhonMate-Codem Phone Record/Call call us	
Pacificorder dict unit by Olympus 179.00	179.00	3M Dry Photocopyer. great unit (new)	79.95
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At Greek Theater

Chapin Impresses With Emotional Music

The house lights hadn't been dimmed at the Greek Theater when a man who looked vaguely like a truck driver stepped from behind the curtain. The audience, caught by surprise, wondered if he was a stage hand or what. It turned out to be the guy they had come to hear: Harry Chapin. If you were at all familiar with Chapin, you would easily recognize his "Cat's in the Cradle," "Taxi," and "W.O.L.D."

Chapin began his first set with a new song he had written about his Uncle Mike. It reflected his uncle's quest for quality and struggle against self-imposed barriers to happiness. "Leaning in a heavy wind that no one else can feel/ Happiest when chasing clouds with a halfway broken heart."

One of Chapin's best recognized abilities as a singer, songwriter and storyteller is his ability to tell of interpersonal relationships in his music, to express with intense emotion the series of feelings that are evoked when human relationships are built up and crumble. "Shooting Star" and "If My Mary Were

Here" were perhaps most representative of his songwriting talents in this area.

"Odd Job Man" was a tune about a drifter who landed a job fixing up an old house for a man and his wife. The man who had hired him really screwed him over when it came time to pay him for his efforts, but he was not bothered too much, because several times when he was supposed to be fixing faucets and window shutters he was "doing to his wife what he'd done to me." So much for the minimum wage.

"Cat's in the Cradle," says Chapin, "scars the hell out of me." It is a sensitive reflection on the art of child raising, an emotional song with a very clear message.

"Taxi" and "Mr. Tanner" were credits to the vocal and musical abilities of Chapin's bass player and backup vocalist, John Wallace. "Taxi" is about a taxi driver and his long lost love who meet again late one night when he happens to take her home in his cab. "Mr. Tanner" is about a cleaning man with vocal talents.

At the urging of his friends, he performs at the Town Hall, only to be ridiculed by critics who considered his voice inadequate. John Wallace sang a chilling bridge in "Taxi" that brought waves of applause as had his baritone background vocals in "Mr. Tanner."

"Bummer" was Chapin's song about a Medal of Honor veteran who returns from Vietnam, goes crazy and robs a grocery store. Chapin's voice was transformed into an angry yell as he attempted to vocalize the song's rage.

Chapin was joined on his last song by his father, jazz drummer Jim Chapin, and his group, The Jazz Tree, in the title track from his newest album, *Dance Band on the Titanic*, released in mid-August by Elektra Records. The audience was standing before Chapin had a chance to leave the stage, and he did an encore with "Circle."

Chapin's performance left one breathless. His rapport with the audience was impressive. His backup instrumentalists were John Wallace on bass and vocals,

Doug Walker on electric and acoustic guitars and vocals, Stephen Chapin on piano and vocals, Howie Fields (a talented 13-year-old) on drums and a really good cellist whose name I didn't get.

Chapin's music is emotional and he usually succeeds in his attempts. His greatest drawback is his voice. It is often not

gentle, even unpleasant. His high notes are clearly strained, and he attempts to increase his range by yelling the notes he can't reach otherwise. Generally, he writes music well-suited to his voice. Most of his songs are drawn from personal experience or are based on the experiences of people he has known..

Peter Dewees

HISTORICAL NOVEL THAT WORKS

Continued from Page Eight
Tiberius, and Caligula. Graves tells the story through the eyes of Claudius. Poor Claudius, nobly born, a deformed cripple and outcast in a society valuing manliness and physical valor, tells us of his family, who are the political elite of the times, and who, as it later turns out to his benefit, consider him an idiot. Thus, not considered a serious contender in the Roman political arena, Claudius is free to observe and engages in the writing of seemingly innocuous histories while his grandmother, uncle, half-brothers, siblings, and wives proceed to murder each other off, never failing to astound the reader with the audacity and ingenuity with which they do so. I am reminded of Gore Vidal's remark that only the outrageously hideous is really funny and, by this standard, Claudius' Rome

is a riot. Never once was I worried that I wasn't getting the facts, though I am left with the desire to one day read the historians of the period. Graves uses the form, the art of the novel, in an unobtrusive way to reveal the substance of his history. The voice and viewpoint of the objective scholar is so convincing that one forgets Graves is also crafting—and, I can't resist, by hand—a masterpiece of fact and fiction which is as delicately interwoven as the human psyche itself.

It is a joy to discover a book one feels is a great work of art. With *I, Claudius* one also gains a political perspective on our times: If you think Watergate despicable, and Nixon a heinous arch-criminal, then you ain't—until you've met the lovable "Little Boots"—seen nothing yet.

C. L. Erickson

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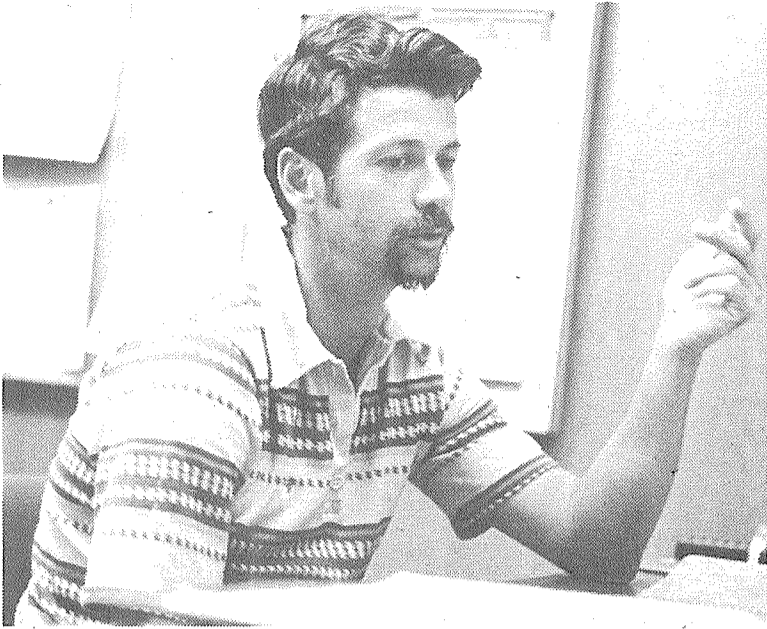
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Coach Leroy Neal discusses prospects of this year's cross country team, which he feels could take second place in the SCIAAC. Photo-Al Kellner

THE LOS ANGELES ENTERTAINMENT SCENE

Continued from Page Eight
For opera, you will have to make due with the yearly visit of the New York Opera Company featuring Beverly Sills. Call the Music Center box office for more information.

The night club scene is confined to the Ice House in Pasadena and the Sunset Strip in Hollywood. The Ice House offers an intimate setting and upbeat comedy and musical acts from all over the U.S. for a reasonable price. The phone number is 681-9942 if you're interested.

The movie crowd will probably become rather desperate after their weekly dose of Cinematech

and ASCIT Friday night movies and should look in the weekly Calendar section of the *LA Times* or the daily View section for where and when they can see current movies.

The famed Preservation Hall Jazz Band will appear at the Claremont Colleges' Garrison Theatre for two performances on Saturday, September 24 at 7:00 and 9:30 pm. The nine-piece band is comprised of the men who created New Orleans jazz in the beginning years of this century and who continue to perpetuate this sweet-sad-gentle-exuberant music.

The band's veteran musicians, all over sixty, include: Alonzo Stewart, drums and vocals; Dave "Fat Man" Williams, piano; Thomas "Kid" Thomas" Valentine, trumpet; Emanuel Paus, saxophone, banjo and violin; Manuel Crusto, clarinet; Emanuel "Manny" Sayles, banjo, guitar; Joseph "Twat" Butler, bass; Homer Eugene, trombone; and Preston Jackson, trombone. Together, they mix the full range of New Orleans jazz (from blues to spirituals to ragtime) into a musical melange that is true Americana. Tickets are available from the box office at (714) 624-9621.

FORGET THE VICTIM—WHAT ABOUT THE JURY?

Continued from Page Four

The first two days we put on a rousing encore of hurrying and waiting; the most exciting thing to happen was watching a railroad train carrying another railroad train go by on the tracks across the street. Strange. There were three witnesses trying to convince us that we should vote to put away the Respondent (that is, the conservatee); a relative, a deputy public guardian (she had all the legal rights over the Respondent), and a shrink from the Respondent's present place of habitation, an 'unlocked' funny farm for the somewhat nutty and mentally deficient. Nobody but his lawyer and himself spoke, rather ineptly, on behalf of the kid who was the Respondent.

I had decided earlier that we would be spared standard divisions of law-and-order types of issues in this case, since there

was no crime involved and it was easy to regard the kid as a victim and I was quite right. Earlier, I had been in a discussion with two of the older men on the jury; both were World War II veterans and still hawks on Vietnam and the like. In the jury deliberations, one of them was absolutely not in favor of letting the kid out and one of them absolutely was. Very interesting.

In the case itself, it was very clear to me that the expert witnesses couldn't possibly have known very much about the case in question. They repeatedly stated their opinion that the Respondent should not be allowed out on his own, and, indeed, they're probably right about that. However, the instructions of the law were clear: we had to find both that he had a mental illness and that it was the cause of his not being able to provide himself with the necessities of life. Furthermore, even though it was not a criminal case, it required both the criminal case standard of unanimity of the jury (for civil cases, 9-3 is enough) and the criminal case standard of proof (beyond a reasonable doubt; for civil cases a preponderance of the evidence is sufficient).

Reasonable Doubt
I didn't decide how I felt until the very end, when the "defense" lawyer pointed out how little solid proof there was, and at that point I decided that the case was not proven beyond a reasonable doubt. Most of the other jurors were also in favor of letting him out, although on many different grounds besides the ones we were supposed to be using; ditto for the minority. The first vote was 8-4, and eventually it worked its way up to 10-2. At that point we decided to let the two absolute opponents

mentioned above explain to the judge that we were hopelessly deadlocked.

8-4: Unanimous?

I was afraid that the judge would tell us to go back and deliberate some more, since it had only been a couple of hours. However, after asking for our exact votes (which surprised me), he dismissed us. (Perhaps he was recalling his "guarantee" to me, which was within half an hour of being perjured.) While we were waiting for the bus to go back downtown (a fringe benefit of this case was being driven around town in a sheriff's bus with bars and grills on the windows), we heard the judge had dismissed the case and ordered the Respondent freed. Most of the panel was happy at that, but I was of two minds. My initial crude comment was, "I thought when they said the vote had to be unanimous, they meant it. I wonder if eight to four would have been high enough; if so, we could have left an hour ago." It did seem a rather rude way of telling two jurors that they didn't count after all. Of course, the expense of a new trial was saved. (Speaking of which, one case I heard about was an embezzlement trial that lasted a week and had a hung jury. Four defendants were accused of embezzling a total of six dollars and thirty-one cents. I suppose it was re-tried.)

Throughout the conservatorship case I had been pondering whether it was really the right thing to do to set aside the expert testimony as only opinion and not sufficiently proven. (particularly since I felt it very likely that the level of proof we were getting was probably typical of such cases). I had decided that I was glad that somebody else was going to decide the case and let me off the hook when I heard about the judge's action. I can only hope that it meant that he agreed with the majority verdict. Incidentally, during the testimony I had the recurrent thought that most of it sounded like the dialogue from an R. D. Laing book.

Stay Out of Court

Thus jury duty. A "wasted" month, professionally speaking, a boring month in most ways, an educational month and, most significantly, a profoundly unsettling month. I gained an appreciation for the old crack that the judicial system is where we dispense with justice, but there's more to it than that. It would be easy to say that there must be a better way, but I rather suspect that there isn't. In any case, one lesson is clear: stay out of court.

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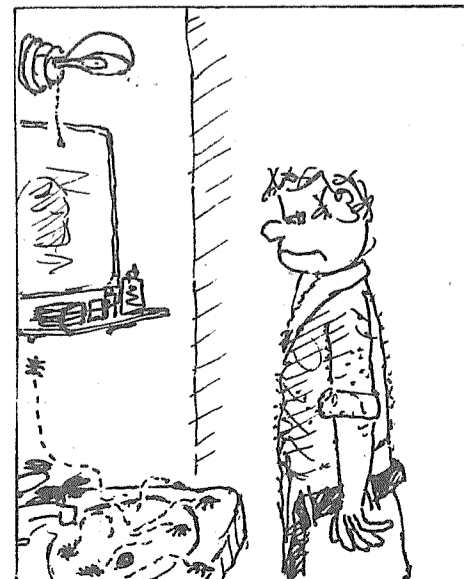
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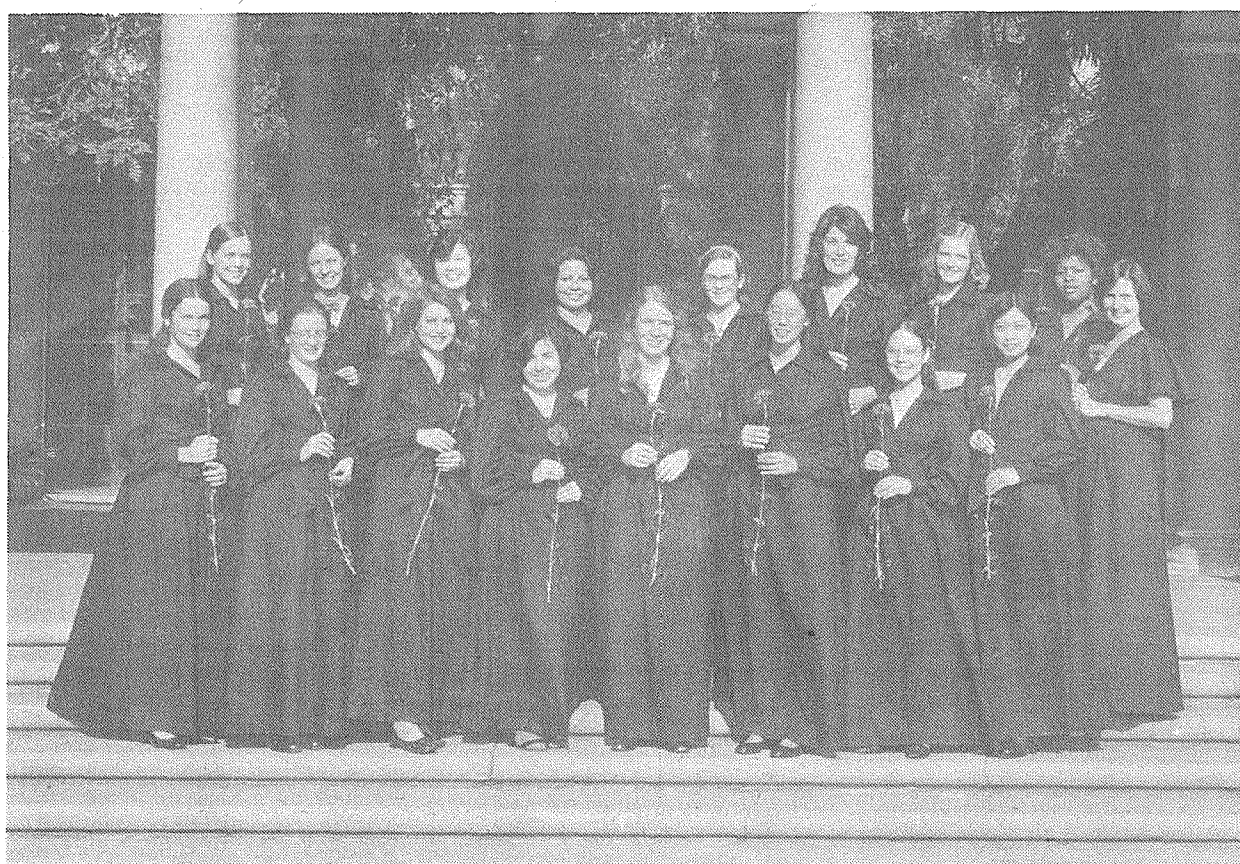


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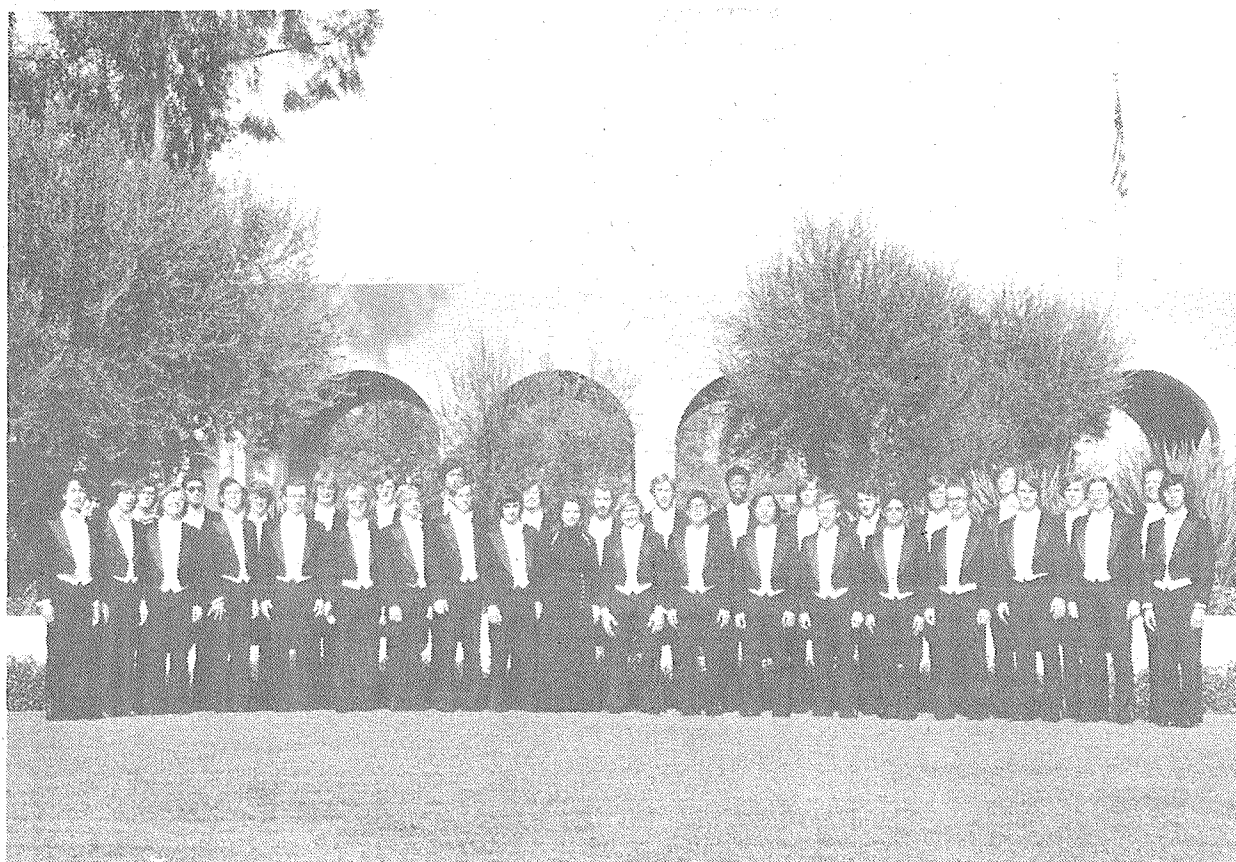
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To open the 74th concert season, the Coleman Chamber Music Association is presenting for the first time the famous Suk Trio from Czechoslovakia. These "champions of chamber music" (as the *London Times* calls them), are appearing on Sunday, October 9, at 3:30 pm in Beckman Auditorium.

Fifty free and fifty one dollar tickets are available to Techers for each Coleman Chamber Music concert. Tickets may be picked up (first-come, first-served) beginning at 10 am Tuesday, October 4, for the Suk Trio at the Caltech Ticket Office just north of Beckman Auditorium, 332 South Michigan Avenue. For additional information, call campus extension 1652. The Ticket Office is open from 10 am to 4:30 pm daily and from 10 am to 1 pm Saturdays and is closed Sundays.

★★★★★

The Caltech Wind Ensemble and Jazz Band will begin their 1977 seasons of musical activities with rehearsals and organizational meetings on the evening of Thursday, September 29, 1977, in the basement of Beckman Auditorium. The Wind Ensemble will meet from 7 to 9 pm and the Jazz Band from 9:15 to 11 pm. Rehearsals thereafter will be held weekly on Thursday evenings at the above time and place.

Also, a "jam session" and jazz improvisation class will be held on Thursdays from 5 to 6 pm in the basement of Beckman Auditorium.

Membership in either organization is available to all members of the Caltech/JPL community, as well as their family members and friends.

Those desiring additional information may contact the director of the Wind Ensemble, Jim Rotter, or the director of the Jazz Band, Bill Bing, through the office of the Director of Student Relations, 105-51, or extension 2157.

★★★★★

The Caltech-Occidental Orchestra, directed by Kim Kowalke, will be holding auditions this week. All members of the Caltech community are welcome.

Auditions will be held Sun-

day, September 25 in 25 Baxter, from 2 to 6 pm, and Wednesday, September 28 in Dabney Lounge, from 7:30 to 10 pm.

A sign-up sheet for auditions will be posted in the first floor hall of Winnett Student Center. Please sign up for a ten minute audition time for either day.

All members of last year's Caltecy-Oxy Orchestra are also asked to audition.

The first rehearsal will be held on Wednesday, October 5 at 7:30 pm at Occidental. An attempt will be made to arrange transportation (either via the ASCIT bus or Oxy's Bengal bus). More information on that will be available later.

For further information, call Kim Kowalke at 259-2877 or Flora Boyer at extension 2157.

★★★★★

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The placement Office is again this year presenting two seminars on "How to Approach Getting a Job." They will be held on October 11 and October 13. More information will be given at a later date.

★★★★★

Beginning September 15, 1977, on a month-by-month basis, Caltech students of all ages can buy a Southern California Rapid Transit District student monthly pass.

These \$12.00 student passes are good for unlimited bus trips on local and express lines (including the Busway and Park and Ride) seven days a week without time limitations anywhere within the SCRTD Los Angeles County service.

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passes regularly sell for \$18.00 to \$48.00.

Students on cash fare pay the basic \$.40 regular fare, plus any express distance steps which can add up to a maximum fare of \$1.40.

Students at Caltech can purchase their student passes on campus in 105 Winnett. After completion of an application, it must be presented with a 1" by 1 1/4" photo (which can be obtained at the time of application in 105 Winnett). A monthly stamp costing \$12.00 will be affixed to the pass. The \$12.00 will be charged to your student account.

For subsequent months, simply present this same pass in 105 Winnett between the 25th of the present month and the 10th of the month for which the stamp will be valid.

For further information, call extension 2157.

★★★★★

Ursula Hyman-Kelley would like to welcome the Caltech Freshmen to campus and to invite them by the financial aid office if they have any questions concerning financial aid at Caltech.

The financial aid office is now in its new quarters at 208 Dabney Hall and may be reached by phone at campus extensions 2280 and 2284.

★★★★★

Caltech and the Pasadena Council on Alcoholism are co-sponsoring a one-day Occupational Alcoholism Seminar scheduled for Tuesday, December 6 at the Huntington-Sheraton Hotel in Pasadena. Information and reservations for the seminar and special luncheon may be obtained by calling the Caltech Industrial Relations Center, campus extension 1041.

★★★★★

The opportunity to study chamber music under the guidance of artist-teachers is again offered at Caltech this academic year. The internationally acclaimed violinist, Alice Schoenfeld, and cellist, Eleonore Schoenfeld, will be in charge of the chamber music master classes scheduled for Thursday afternoons between 4:00 and 7:00 pm.

The course is open to Caltech students, members of the administration, the faculty, their

families and to qualified instrumentalists of the Pasadena community. Admission by audition only.

Audition date is set for Thursday, September 29 from 4:00 to 6:30 pm in Baxter Hall, room 25.

Former participants do not need to audition, but are requested to call (213) 681-8798 if they would like to be considered again for participation, and leave their name and phone number.

Announcements

Now is the time to submit post card entries for the only public sale of tickets to the 1978 Rose Bowl Game. As in previous years, a drawing will be conducted in late October by the Pasadena Tournament of Roses Association in cooperation with the participating Big Ten and Pacific-8 football conferences.

Standard-sized post cards should be mailed to: Rose Bowl Ticket drawing; P.O. Box 1800; Pasadena, CA 91109. There is no limit to the number of submissions, but each must contain the sender's name and address. Letters are not accepted. Entries must be postmarked prior to midnight, October 15.

★★★★★

The Southern California Democratic Party has announced its Internship Program for Fall 1977. The program is open to students in Southern California colleges and universities who would like to participate in a supervised, practical learning experience in party politics, including seminars with party and public officials.

To apply for the Fall Term Internship Program or to obtain more information, please contact: Robin Kramer, Executive Director; Democratic Party South; 6022 Wilshire Boulevard, Suite 201; Los Angeles, CA 90036; Telephone 931-1161.

Contests

Fifteen thousand dollars are available to young composers in the 26th annual BMI Awards to Student Composers sponsored by Broadcast Music, Inc., a performing rights licensing organization. Prizes ranging from \$300 to \$2500 will be awarded at the discretion of the judges.

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The competition is open to student composers who are citizens or permanent residents of the Western Hemisphere and are enrolled in accredited secondary schools, colleges and conservatories, or engaged in private study with recognized and established teachers anywhere in the world. Entrants must be under 26 years of age on December 31, 1977. No limitations are established as to instrumentation, stylistic considerations, or length. Students may enter not more than one composition, which need not have been composed during the year of entry. The competition closes on February 15, 1978. Official rules and entry blank are available from James G. Roy, Director, BMI Awards to Student Composers; Broadcast Music, Inc.; 40 West 57th Street; New York, NY 10019.

Scholarships

Friends of Animals, Inc., New York-based national human conservation organization, has announced a scholarship program for university students. Annual scholarship awards in the aggregate amount of \$8000 will be given to those students who submit the finest essays in support of a federal legislative campaign to end human exploitation of animals.

The scholarship awards will be made to students, undergraduate or graduate, majoring in the fields of philosophy, law, economics, theology, or political science. Official entry forms are available by writing: the Regina Bauer Frankenberg Scholarship Committee; Friends of Animals, Inc.; 11 West 60th Street; New York, NY 10023.

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Henry: dinner at eight, wear something comfortable. Maria.

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