

Why Is Everyone
Dumping On Wat ?

The CALIFORNIA Tech

He Hasn't Done
Anything . . .

Volume LXXIV

Pasadena, California, Thursday, November 2, 1972

Number 7

Coming Events Featured At Ticket Office

by Marc Donner

Ladies and Gentlemen! Right this way are the wonders of the Universe collected for your enjoyment by the far-seeking, ever-watchful, always-eager-for-a-new-thing people at the Caltech Ticket office.

First on our list of marvels are the fabulous Romeros, the classical guitar sensations who have thrilled American audiences for the last nine seasons. There are four of these wonders: the father (Celedonio) and his three sons (Celin, Bepe, & Angel). These four, the Royal Family of Spanish Guitar, will perform in Beckman on Saturday, November 11. (Highly placed sources claim that there are a very few tickets still available at low Caltech prices.)

Superman comix may be right in claiming that Atlantis did indeed exist. You won't know unless you go hear "Atlantis -- A New Look at an Old Myth" in Beckman one week from today, Thursday, November 9. Dr. Tschoegl (thank god I don't have to pronounce that one), professor of Chem E, will be the lecturer and it should be a lot of fun and interesting too.

The armchair adventures continue with the filmed account of the voyages of Ra I and Ra II to be presented on Friday, November 10. Norman Baker, the only American of the seven who set to sea in flimsy papyrus reed boats, will narrate the complete story of the fantastic journeys across the seas.

Two more features -- Drop Day is one week from today and, of course, the national elections are on Tuesday.

Continued on Page Four

News Briefs

Tickets Available

Available now through November 10, on a first come, first served basis, 30 tickets, priced at \$1 each for **CALTECH STUDENTS ONLY**, will be sold in the *standing room area*, balcony of Beckman Auditorium, for the two remaining lectures on the L.S.B. Leakey Foundation series in Beckman Auditorium: Robert Ardrey, November 14; and Jane Goodall, December 8.

Social Work Education Texas Style

The Consortium of Texas Graduate Schools of Social Work is currently involved in a program funded by the National Institute of Mental Health that involves the recruitment of economically disadvantaged students, including Mexican Americans, American Indians, and Blacks, into graduate education in social work. Stipends of \$200 per



TECHERS at Capra Ranch did not feel far removed from Tech life. Note the Food Service style barbecuing taking place.

Feynman, Hertz, Zorthien Judge Darbs Best

by Paul Harper

Dabney House and three Immaculate Heart students took first prizes last Saturday for best artwork at the Beautify the Behavioral Bio Building bash.

The event was sponsored by the Caltech Y, ASCIT, the Master of Student Houses, and Robert Gilmore, Vice President for Business and Finance, and was co-ordinated by Barbara McCandless. Total cost was about \$900 -- in addition to the \$50 first place awards, money was spent for painting supplies, food, and a band. Painting was done on panels in Dabney Garden, which were later fastened to the wall surrounding the site of the behavioral biology building for judging.

Judges were Dr. Richard Feynman, Dr. Richard Hertz, and Jerry Zorthien, who was described by Miss McCandless as a friend of Dr. Feynman. The choice of panel number 14 as

Continued on Page Three

Capra Ranch

Bios Enjoy It First

by Elwyn Loh

Two research groups from the Biology Division have found a new way to combine science with recreation, during a weekend stay at the Capra Ranch.

Within the Biology Division, scientific interaction has occurred primarily as collaboration on a common problem, or through personal relations. Biologists Lee Hood and Bill Wood, together with Walt Meader and Barbra McCandless of the Caltech Y, planned the weekend as a way to present comprehensively the groups' work to each other and to provide an informal environment for discussion. The Caltech Y contributed organizational and logistical coordination and the Division provided some financial help.

Accompanied by spouses, children, and hangers-on, 27 researchers attended the sessions. They later agreed that a need existed for similar meetings where one could obtain a better idea of the technical and scientific resources that exist at Tech.

Phaged Out

Bill Wood's group began the sessions on Saturday by describing their work using genetic and biochemical approaches on the assembly of the phage T4.

Coffin Lauded As Best Ever Heard

by Etaoin Schroedlu

This week the Caltech Y is sponsoring a talk by William Sloane Coffin, Jr., tomorrow (Friday) from 3:30 to 4:30 in Winnett Lounge, or outside on the Olive Walk if the lounge overflows.

Rev. Coffin, chaplain of Yale University, is a long-standing activist in Civil Rights and opponent to U.S. involvement in Indo-China, who has evoked

vociferous conservative opposition at Yale ever since he made his first pastoral rounds there on a motorcycle. He was one of the Freedom Riders arrested in Montgomery Alabama, in May 1961, and followed up with two more arrests on civil rights issues.

Coffin Speaks Up!

As U.S. involvement in Asia escalated, so did Coffin's opposition, which culminated in his indictment, along with Dr. Spock, for conspiracy in the matter of draft resistance. At that time Yale President Kingman Brewster complimented Coffin on the moral quality of the Coffin-inspired resistance and activism at Yale.

Coffin will speak at Tech on "Ethical Reflections on the Indo-China Situation." At present he is touring the country speaking about the war and donating his honoraria to local peace groups. One Caltech professor lauds Coffin as 'the best speaker I've ever heard.'

Reduced Entropy??

Today witnesses the inauguration of a new Caltech Y program, the Noontime Discussion series with interesting Caltech profs. This noon Drs. Morgan Kousser and Richard Hertz of the Humanities Division will discuss the candidates and propositions on the November 7 ballot. (Also note that there will be a Candidates' Fair on campus this weekend.) All interested Techers are invited to bring their own lunch to the Y Lounge in Winnett and join in the discussion.

Next Monday, November 6, the program will present Tech's one and only Dr. Richard P. Feynman, who will speak on something or other to do with physics, the arts, and anything else that comes up; Techers are invited to rap on anything with Dr. Feynman (except, presum-

Continued on Page Three

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Do Not Pass The GO Club

Attention all Go fans!
There is a Caltech GO Club which will meet every Friday at 3:00 p.m. in the Y Lounge, Winnett Center.

Russian Literature Class Available for English Credit

Language 155a, Russian Literature in Translation: The Nineteenth Century, may also be
Continued on Page Six

Jim Hugg (ASCIT Secretary) reasoned that all the money they had to begin with couldn't have been spent already (Sharon

Spivak noted that our credit at the bank was probably OK, anyway), so in a sweeping mood of generosity Morin reassured

those present that they would, in all probability, get what they asked for. -- from *The California Tech*, October 19, 1972.

Editorial

Propositioned?!

In every general election California voters are faced with a conglomeration of measures, commonly known as "Propositions" upon which they have to pass judgement. A result of California's Progressive Reform Era, these measures are based on the principle that general electorate should have a direct voice in the law making process. Below are our recommendations for the Propositions on this Tuesday's ballot.

Proposition One: Bonds to Provide Public Community College Facilities. Support P.C.C. Vote Yes.

Proposition Two: Bonds to Provide Health Science Facilities. Vote Yes.

Proposition Three: Environmental Pollution Bond Authorization. Although both sides have accused each other of using "scare" tactics, we feel the risk to the state is minimal and the benefits will be worth it. Vote Yes.

Proposition Four: Legislative Reorganization. If organization is the key to success, the California Legislature has a good excuse for failure. Help alleviate the problem. Vote Yes.

Proposition Five: School Districts. Help take some of the sterility out of our public school system. Vote Yes.

Proposition Six: Miscellaneous Constitutional Revisions. Bureaucratic bullpucky, but necessary. Vote Yes.

Proposition Seven: Elections and Presidential Primary. This measure removes archaic sections of the state Constitution to bring it in line with the U.S. Constitution and recent court decisions. It leaves residence requirements up to the legislature and allows for an Oregon-type primary. These changes are well worth making. Vote Yes.

Proposition Eight: Tax Exemption for Anti-pollution Facilities. "It is only fair that facilities which must be built for the public's benefit. . . should not have to pay ad valorem [according to the value] taxes on such installations. . ." — so say the supporters of Proposition Eight. Bull! Pollution control is the responsibility of the one who creates it. Vote NO.

Proposition Nine: Bond Vote for Structurally Unsafe School Buildings. Despite its title, this measure will only change the vote required to pass such a bond issue from two-thirds to a majority, and only for bonds for the purpose of repairing, reconstructing, or replacing unsafe public school buildings. Vote Yes.

Proposition Ten: Blind Veterans' Tax Exemption. Vote Yes.

Proposition Eleven: Right to Privacy. A lot of fuss over just two words. Vote Yes.

Proposition Twelve: Disabled Veterans' Tax Exemption. Vote Yes.

Proposition Thirteen: Workmen's Compensation. Not for trolls. Vote Yes.

Proposition Fourteen: Taxation. What a rape! One man's exemptions are another man's taxes, but in this case it's the

large property owners that will benefit. Almost everyone else will suffer with a 7% sales tax. All funds earmarked for community colleges will vanish, with no allowance made for their replacement. Save P.C.C.!!! Vote NO!!!

Propositions Fifteen and Sixteen: State Employee Salaries and Highway Patrol Salaries. Whenever the Governor decides to cut the budget it's the state employees who end up getting raked over the coals. These measures are very strong, but they will end the inequities. Vote Yes.

Proposition Eighteen: Obscenity. This measure would ban: a) House raunch collections, b) most ASCIT movies, c) public display of Apollo, d) singing the DEI song, e) half of a Techer's vocabulary, f) most popular record collections, g) certain Baxter Art Gallery Exhibits, h) the Hot Throbbing Rivet i) all of the above. Unless you want to learn the answer the hard way Vote NO!

Proposition Twenty: Coastal Zone Conservation Act. One bureaucracy is better than two hundred. Vote YES!

Proposition Twenty-One: Assignment of Students to Schools. Handcuffing school districts only makes the problem harder to solve. Vote NO.

—Peter W. Beckman and Gavin D. Claypool

A Matter Of Opinion...

Proposition Seventeen: Death Penalty. A measure of a society's level of civilization can be found in the manner with which it deals with those who have broken its rules. In our culture murder is considered the worst possible crime, and the death penalty has been a convenient way to dispose of murderers. Capital punishment has been used arbitrarily, it has not acted as a deterrent, and under it innocent men have been executed. We should worry about prevention rather than revenge. Society no longer needs the death penalty. Vote NO!!!

Proposition Nineteen: Marijuana. Under current California law the number of uncaught criminals wandering around is simply ridiculous. Vote YES!

—Peter W. Beckman

A man's right to life is the most fundamental of all human rights. Yet those who use murder, kidnapping, and terrorism to achieve their aims, *whatever they may be*, have lost any claim to such a right. To them, the ends justify the means.

The supporters of capital punishment plan to reinstate the death penalty as it was before the state Supreme Court decision. When proof of guilt is absolute, such as in the Robert Kennedy case, there is no hassle. But the measure does nothing to prevent the sentencing of an innocent man to death, one of the opposition's biggest arguments, as infrequently as it may happen, it is better to set ten guilty men free than to hang one innocent man. For this reason, I urge a NO vote on Proposition 17.

—Gavin D. Claypool

FORUM

Max Delbrück Blasts Nixon

Editors:

On another page of this issue there is printed an Ad entitled "The Nixon Administration is at War with America," and signed, among others, by me. This Ad was drawn up by a group in Cambridge several weeks ago. Its statement, "A promise of peace in Vietnam has been followed by four years of an immoral war, at the cost of hundreds of thousands of deaths, scores of billions of dollars, and unimaginable suffering," is still true today. If the last minute shuffle for peace should be successful it would prove, better than any theoretical analysis could do, that the same peace was possible four years ago, and that it comes about solely as the result of the political pressure the peace groups have been able to exert. We shudder at the thought that by Nov. 7 the peace, in fact, will not be securely established, and that the Nixon administration, if re-elected, will have four more years to continue the genocidal war.

Max Delbrück

REMINDER: Scripps Party:

Kides leave 8:00p.m.
from Olive Walk
this Saturday

The CALIFORNIA Tech

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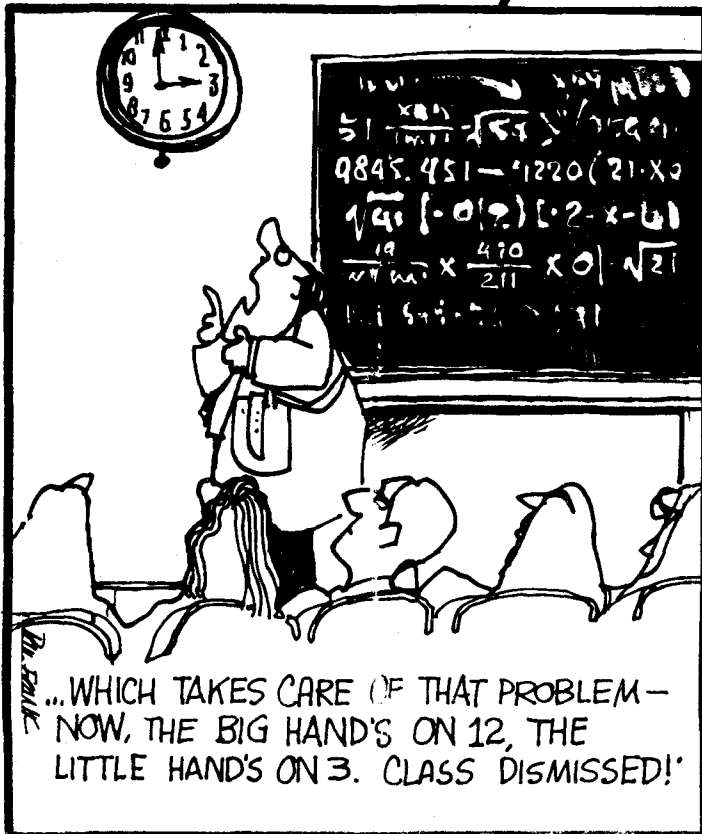
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FRANKLY SPEAKING

by Phil Frank



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THE ASCIT FRIDAY NIGHT MOVIE

Alfred Hitchcock's The Bird With The Crystal Plumage

7:30 p.m. in BAXTER LECTURE HALL

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

The Four-Color Tech

SHAZAM!

by Dennis Mallonee

"Why comics?" That is a question that has been on the tongues of parents for a generation. I answer them with another question: "Why not comics? (hee—hee)." Well, now that that's out of my system, the latest rumor to reach my ears is that Marvel comics has the rights to Mr. Natural (R. Crumb's famous creation, of all things), and that the great one will take Amazing Adventures from the Beast with issue number 17. Whether this is true or not I have no way telling — but have no fear, Beast fans, your hero will be appearing that same month in Hulk number 161.

Captain Marvel (sha-zam)

Also in December, National Comics plans to put out three special magazines: 1) the Big Red Cheese is back — the original Captain Marvel (and all sorts of legal hassles as well) — in a special issue of SHAZAM COMICS, 2) a new sword and sorcery magazine, featuring Fafhrd and the Grey Mouser, and 3) the SHADOW (who knows what evil lurks in the hearts of men? Only the Shadow knows!).

Commentary

Comics have proliferated the past year-and-a-half or so, averaging about four new titles a month, and the end is nowhere in sight. When people ask what happened to the ten-cent comic book, I have to say, "It costs twice as much," because it does. For the first time in a couple of decades, the comic book publisher has some breathing room between costs and profit, and though it may cost the reader more to read his favorites, he has

Proposition 22—No

Proposition 22, the Farm Labor initiative, has been a subject of public interest because of the controversy concerning its qualification on the ballot. The measure itself should be reason enough. While trying to drown the voter in a sea of verbiage, Proposition 22 is designed to continue the problems in the farm industry, not solve them. By not allowing an election to be held when the number of temporary workers exceeds that of permanent workers, it would take the right to vote away from migrant workers. A "lettuce boycott" could not be encouraged by a labor organization or member thereof without breaking the law. A sixty-day "cooling off" period before a strike would severely weaken the farm worker's position, as all California crops take more than 60 days to harvest. Don't support this travesty of justice; vote NO on 22.

—Gavin D. Claypool

RF Anyone?

Term Papers For Tuition

by David Miller

There is a clipping from the *Star News* on the news service's bulletin board about the fact that an organization selling bogus term papers has appeared in Pasadena. The paper thinks the Institute has little to worry about, because of the Honor System, and because it is unlikely that anyone from the outside world could write a term paper that would pass a course here. The *Star News* thought that perhaps the term-paper salesman should be on the lookout for Techers with R.F.'s in mind, such things as really bizarre but plausible-sounding papers which would be sure to get F's. Hmmmmm. In order to encourage a larger selection to choose his favorites from. Is the twenty-cent comic a good thing? The *Four-Color Tech* thinks so.

age anyone who might be interested either in fixing these termites in the walls of the citadel of scholarship or in submitting a paper to the Journal of Irreproducible Research, I herewith submit a few abstracts for improbable papers on various topics.

Biology: *Mating Habits of the Boat-tailed Grackle.*

This bird's mating dance was reported by Benchley in the 1930's. He observed them on the plains of Canada, and reported that they were doing the Portland Fancy. Later reports indicate that in more recent times their dancing has gone through lindy-hop, twist, and boogaloo phases, and the boat-tailed grackles are in imminent danger of extinction.

History: *The Zemblan Influence on American Life and Art.*

This is a review and analysis of *Pale Fire and Other Poems*, by John Shade, edited by Charles Xavier.

Physics: *Laboratory Uses of Norton's Anthology.*

This paper discusses some of the experimental vistas, particularly in gravitational collapse and other realms of general relativity, opened by the availability of a laboratory-sized semi-infinite mass.

Ecology: *Seasonal Variations of the Snake and Troll Populations of Southeast Pasadena.*

Three times a year, many

Continued on Page Seven

Unfair Tuesday?

Voter Fair Saturday

Beckman Auditorium will be the scene of an all-day Voters' Fair on Saturday, November 4. In addition to candidates for office, there will be live entertainment, including a rock band and gospel rock singers. Hot dogs and apple pie will be sold.

The Fair, sponsored jointly by the Pasadena Area League of Women Voters and the Star-News, with the cooperation of Caltech, opens at 10 a.m. with the pros and cons discussion of the state ballot measures.

Beginning at 11:00, candidates for congress (20th and 24th districts), state assembly (47th and 54th districts), state senate

(19th and 21st districts), superior court judge (office #6), county supervisor (district #5), and L.A. County district attorney will speak and answer questions. One-half hour has been allotted for each office.

Outside the auditorium candidate representatives and groups sponsoring or opposing ballot measures will have tables for their literature, and candidates will circulate among the crowd.

The Voter's Fair is open to the public free of charge. Don't miss your chance to hear candidates in person and get last-minute information on those twenty-two ballot measures.

How To Find

A Bicycle For All Seasons

by Dan Reichel

Of greatest importance in choosing your bicycle is to choose the "correct" frame size. Choose the largest frame which you are able to stand over with both feet flat on the ground and the pelvic area remaining at least one-half inch from the top tube. The next concern is to choose the type of bicycle to fit your riding needs. If you plan to go for rides of only short duration, without any extensive hill or mountain riding, you should choose either a one-speed coaster brake bicycle or a model with a three-speed hub. The latter is to be preferred in the Pasadena area, which is far from flat (check the local topo maps). If you have even the slightest thought of pleasure riding, don't hesitate to get a ten-speed bicycle. Even if you decide later that your interest has waned, the resale value is high for a well

cared for, ten-speed machine. Whatever you decide, be sure to shop in bicycle stores, since only there do you find people who are capable of properly assembling bicycles and who will be able to help you choose your bike. A *toy store* or *department store* is NOT the place to buy a bicycle. Their sales personnel, who know little if anything about bicycles, are usually the ones who do their assembling.

What brand should you buy? Stay away from bicycles made in Japan, Taiwan, etc. These countries have developed their optics and electronics industries but produce bicycles and bike parts of poor quality. For coaster brake bikes, choose a Schwinn,

Continued on Page Seven

Paint-In

Continued from Page One

individual winner was, according to Dr. Hertz, a compromise. Each of the judges favored different panels, so they settled on a painting that none of them liked best.

The winners, Will McCune, Judy Muellnei and Paul Macchia reacted to their prize with "Now we can afford beer and cigarettes." McCune had repeated a pattern that he discovered while mixing colors in an art class to win.

Dabney House harfed first prize over three others in the house competition.

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Lombardo Packs House At Beckman

by Bruce Reznick
(and Richard Shaw)

It would be very easy to make fun of Guy Lombardo, but it would not be fair. Lombardo, and his Royal Canadians, performed to a sell-out crowd at Beckman Auditorium last Thursday. That is, Beckman sold out, but Guy Lombardo did not. He played the same music he became famous for over the last forty years in essentially the same way.

In less than two hours of performance, the band ran through thirty songs and three medleys — in other words, a very tight band. After the first few notes of many songs, a chorus of recognition overcame the audience. Such classics as "Boo-Hoo" and "Auld Lang Syne" were done the way the audience remembered, and wanted, them done.

It was only when Lombardo attempted to play modern songs that he ran into difficulty. John Denver would curl up into a mass of blondness if he heard "Country Roads" done with saxophone and the twin pianos. On the other hand, "Love Story" and the theme from "Doctor Zhivago" deserved that treatment. The musicians were noteworthy for their competence and lack of enthusiasm — only SEG's were in evidence. The standout soloists were the Lombardo Trio, who made up for their lack of range and power by an amazing amount of class; Kenny Gardner's gestures while singing "Harper Valley PTA" have to be seen to be appreciated.

In short, Guy Lombardo captures the nostalgia fad, without self-parody, simply by being himself. He got a standing ovation.

Ticket Office

Continued from Page One

A very important note: Marie Marchowsky's performance in Ramo with part of her company of dancers was omitted from the Beckman Calendar. On Wednesday, November 15, she will be in Ramo with a part-lecture, part-dance demonstration of the techniques and training involved in creating a dancer. Ms. Marchowsky is now resident dance instructor here at Caltech, and she has regularly scheduled sessions in Dabney Hall.

Go see Paulene Myers!!!

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Paid Political Announcement

The Nixon Administration is at war with America

We are a Nation of diversity—diversity in the beliefs of what acts and policies are best for America. But whatever our convictions, we know that all our hopes depend on the strength of the democratic process—the integrity of leaders and institutions and their obedience to the law. On this issue there are no Republicans and no Democrats, no liberals and no conservatives. There are only Americans.

The Nixon Administration has shown contempt for these principles. They have abused the process of democracy and brought it into disrepute—ignoring the restraints of law and the obligations of honesty. They have corrupted the practice of government and the spirit of America.

This corruption of democracy can be halted only by driving them from office.

—They have treated foreign policy as the secret personal possession of the President, ignoring the historic prerogatives of the Congress and the right of an informed people to debate great issues before decision.

—They have replaced a free economy with managed enterprise—managed in the interests of their own political welfare by men who are not responsible to workers, shareholders or the public.

—They have opened the councils of government to a handful of giant industries, granting them virtual exemption from the law and the privilege of special information.

—They have added to the tax privileges of the wealthy, while allowing the rest of us to bear an increasing burden.

—They have shown contempt of the judiciary process by naming unqualified political friends to the highest courts of the Nation.

—They have brought prosecution after prosecution against political dissidents. They persist even though

juries of ordinary citizens consistently reject their charges.

—They have unsuccessfully attempted to intimidate a free press. They have successfully intimidated television networks by implied threats to use the law as a means of economic retaliation.

—They have lied on an unprecedented scale:

A promise of peace in Vietnam has been followed by four years of an immoral war, at the cost of hundreds of thousands of deaths, scores of billions of dollars, and unimaginable suffering.

A promise to fight crime has been abandoned by an administration that uses criminal methods for political spying.

OUR DISAGREEMENT IS NOT JUST ONE OF POLICY. IT IS A MORAL JUDGMENT.

In their contempt for the traditions of a democratic society—their contribution to the decline of trust in government and institutions—their indifference to the candor and openness required of democratic leadership—their eagerness to establish a partnership between public officials and favored interests—in these respects and others they are a source of national corruption.

America is not today's Gallup poll or tomorrow's election. It is 200 years of history—a tradition of liberty built and sustained through the labors of peace and the sacrifices of war. It is a culture—a civilization—a way of life.

The Nixon Administration is at war with that America, not out of passionate conviction or ideology, but because they cannot understand why they should permit great principle to hamper their desires and interests.

THEY HAVE BETRAYED THEIR TRUST.
LET US THROW THEM OUT.

Jack Albertson
ACTOR

John C. Bennett
THEOLOGIAN

Leonard Bernstein
CONDUCTOR

James Bonner
BIOLOGIST,
SIERRA CLUB MEMBER

Joseph Campanella
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BIOPHYSICIST, NOBEL LAUREATE

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WRITER

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PHYSICIST

Alfred Gelhorn
PHYSICIAN

William Gibson
TV WRITER

K. Dun Gifford
LAWYER

Marvin L. Goldberger
PHYSICIST

Richard A. Falk
POLITICAL SCIENTIST

Richard Goodwin
WRITER

Cleve Gray
PAINTER

Barbara Harris
ACTRESS

Howard Hiatt
PHYSICIAN

E. J. Kahn, Jr.
WRITER FOR NEW YORKER

Arthur Kornberg
BIOCHEMIST, NOBEL LAUREATE

Jonathan Kozol
EDUCATOR

Stanley Kunitz
POET

Felicia Lamport
WRITER

Roy Lamson
HUMANIST

Burt Lancaster
ACTOR

Arthur Lelybeld
RABBI

Jack Lemmon
ACTOR

Betty Jean Lifton
WRITER

Robert Jay Lifton
PSYCHIATRIST, WRITER

David Livingston
LABOR OFFICIAL

Salvador E. Luria
BIOLOGIST, NOBEL LAUREATE

Eliza McCormack
NOVELIST

Seymour Melman
PROFESSOR,
INDUSTRIAL ENGINEERING

Norman Mailer
NOVELIST

Bernard Malamud
NOVELIST

Rollo May
WRITER & PSYCHOANALYST

Eve Merriam
WRITER

Frederic Morton
WRITER

Lewis Mumford
WRITER & PLANNER

Eleanor Munro
WRITER

Arthur S. Obermeyer
INDUSTRIALIST

Carl Reiner
MOVIE DIRECTOR

Bruno Rossi
PHYSICIST

Raymond Siever
GEOLOGIST

Frank Stella
PAINTER

Martin Stone
INDUSTRIALIST

Albert Szent-Gyorgyi
BIOCHEMIST, NOBEL LAUREATE

George Wald
BIOLOGIST, NOBEL LAUREATE

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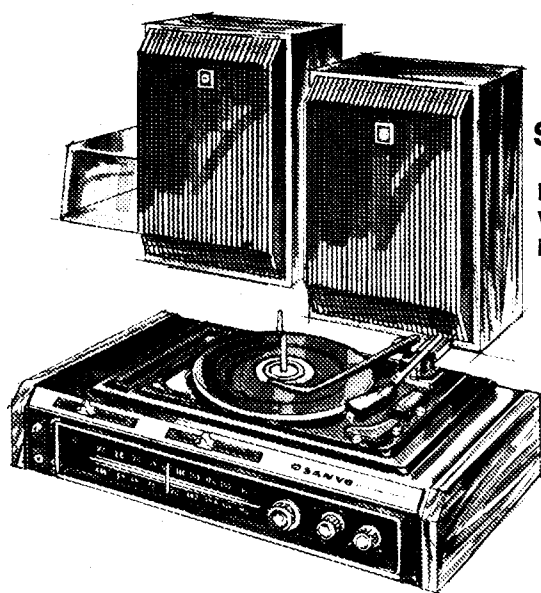


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Whither "Star Trek"?

Techers At L.A. SYNCON

by Philip Massey

The Committee for the Future's L.A. SYNCON reached its climax Saturday with "Emancipation" — a program featuring the premiere of Ray Bradbury's and Lalo Schiffrin's "Space Age Madrigal", Gene Roddenberry, and Nichelle Nichols (Lt. Uhura of the United Space Ship *Enterprise*).

The performance opened with a dramatic reading and a dance given by Nichelle Nichols, the latter being one of the most beautiful things I have seen. Pictures of galaxies and scenes were flashed on the screen, which, combined with the dance, displayed man's history up to the new millennium begun when Apollo 11 began its mission. This was followed by the Book of Strawberry's "Enter" song, which had begun this Syncon.

Gene Roddenberry showed a film of *Star Trek* goofs [side note: Kelem says getting the film for the ASCIT movies is in the works], emphasizing the need for humor in ourselves for the future. (Capt. Kirk: "Ahead warp factor one." Spock: "You smart-ass.")

Lalo Schiffrin, who wrote the *Mission: Impossible* music, had set poetry of Ray Bradbury to music, and it was performed by the Roger Wagner Choral. Dr. Jean Houston of the Foundation for Mind Research read a dramatic play, and Barbara Hubbard, Organizing Director of the Committee for the Future spoke about this Syncon.

Ray Bradbury spoke to us before the performance and said he would visit Tech soon. Also in attendance were DeForest Kelley (Dr. McCoy), George Takei (Navigation and Weaponry Officer Sulu), James Doohan (Chief Engineer Scott), and Walter Koenig (Helmsman Chekov).

by Gavin Claypool

Those who attended the "Space Age Madrigal" segment of Syncon Saturday night at the Scottish Rite Temple in Los Angeles got a lot more than they planned on. The four Techers attending the reception afterwards hit the jackpot.

Gene Roddenberry, Ray Bradbury, and others involved in Syncon were there, along with K. Jeff Eriksen, Phil Massey, Greg Simay and this writer. The bonus was five cast members of *Star Trek*: DeForest Kelley, Nichelle Nichols, George Takei, James Doohan, and Walter Koenig.

Caltech became a magic word to start a conversation with. Both Kelley and Roddenberry remembered the 1968 march Tech and other southern California colleges held protesting the series' cancellation. Kelley was asked about the current attempts to revive *Star Trek*, either as a theater-release film or another series. "The networks are convinced," he said. "It's Paramount that's holding it now."

I asked Kelley what he thought the fans' reaction would be if a new series aired, whether they would automatically be wild about the show, or if perhaps the show might suddenly find itself without a home. He answered "You know, I hadn't ever thought about that, until just last week. I don't know. If I had to lean one way, though, I think it would be a success."

Gene Roddenberry spent most of the time in the kitchen with Ray Bradbury and others. (The reception was held in a private home in Fremont Park.) Just before he left, however, we were able to ask him when a final decision on *Star Trek* might be reached. "We should know in

Continued on Page Seven



The Syndicate.
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Sci-Fi Convention

Fantasy Films Show

Seventy-two hours of motion pictures will be the highlight of the first annual Science Fiction and Fantasy Film Convention, to be held at the Ambassador Hotel in Los Angeles over Thanksgiving weekend.

Television and theatrical films of the 20th Century will be shown beginning Friday morning, November 24. Many of the stars, producers, writers, and technical persons responsible for the films will appear at the conventions.

Among those who have agreed to attend are Gene Roddenberry, creator of *Star Trek*; Ray Bradbury, whose novels have been adapted for the screen (such as *Fahrenheit 451*); Robert Bloch, author of *Psycho* and *Star Trek* episodes; Nichelle Nichols, James Doohan, George Takei, Walter Koenig, and Majel Barrett, *Star Trek* cast members; Kirk Alyn, who played Superman in the movie serials; Forrest J Ackerman, editor of *Famous Monsters of Filmland*; and D.C. Fontana, author and story editor for *Star Trek*.

Exhibits of models, costumes, hand props, and artwork will be on display throughout the convention. The shuttlecraft used in *Star Trek* will be displayed on one of the hotel's lawns. Panel discussions on special effects, make-up, stop-motion animation and other subjects are planned.

Each twenty-four hour period will feature films from one of three major categories: science fiction, fantasy, and supernatural. Some of the titles already booked are: *Things to Come*; *Destination Moon*; *Marooned*; *Bell, Book, and Candle*; and the 1916 silent version of *20,000 Leagues Under the Sea*.

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Special screenings include the first *Star Trek* pilot, *The Cage*, of which portions were taken for the Hugo-winning episode, *The Menagerie*. Ray Bradbury will screen his 17-minute film *Icarus, Montgolfier, Wright*.

A luncheon banquet will offer persons attending the convention a chance to sit with the producer, writer, or star of his choice. A costume parade will enable conventioners to dress as

News Briefs

Continued from Page One

taken as English 155a. It is available for humanities credit under both options. The class will concentrate on two great Russian novels — Tolstoy's *Anna Karenina* and Dostoevsky's *Brothers Karamazov*.

Russian Underground Magazine In Public Affairs Library

English translations of *A Chronicle of Current Events*, an underground magazine dedicated to the Human Rights Movement, can be found in the Public Affairs Library in Baxter Hall. The publication documents the struggle for civil rights in the Soviet Union.

College Students Poetry Anthology

The National Poetry Press has announced its Spring Competition — the closing date for the submission of manuscripts is November 5. Any student in either junior or senior college is eligible to submit his/her verse, and there is no limitation as to form or theme. Shorter works are preferred by the Board of

a famous monster or fantasy character, or create an original costume. Student film-makers will be able to compete in an amateur film contest. Full details of the competition are available by sending a stamped, self-addressed envelope to: D. Carol Roberts, Student Film Committee, P.O. Box 9097, Phoenix, Arizona.

Registration is \$10 in advance, \$15 at the door. Students may register for \$8 in advance. Checks should be made payable to: Fantasy Film Fans International, P.O. Box 74866, Los Angeles, CA 90004.

Judges, because of space limitations.

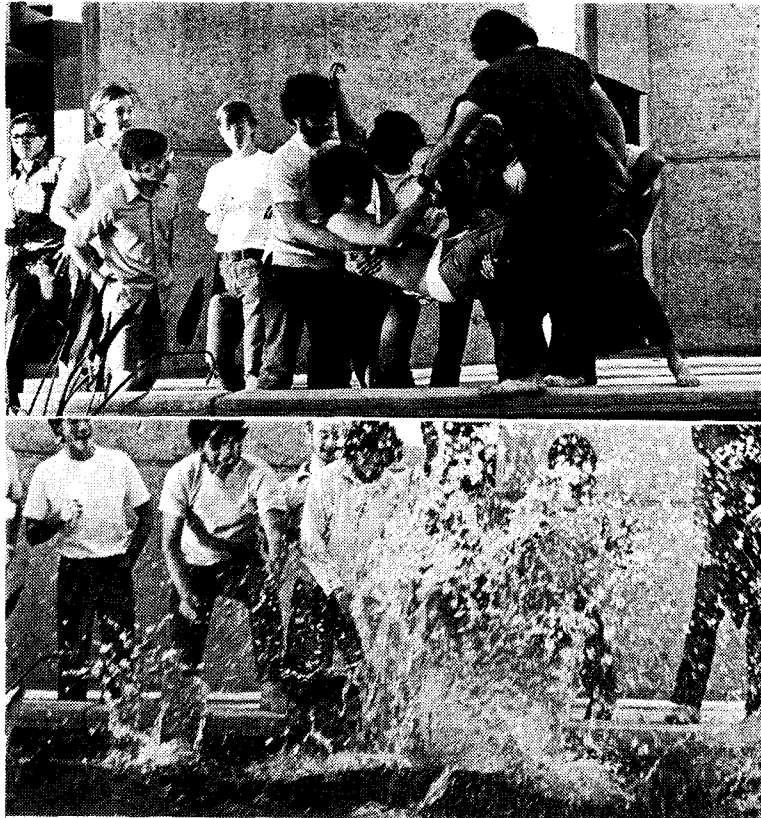
Each poem must be typed or printed on a separate sheet, and must bear the name and home address of the student, as well as the college address. Manuscripts should be sent to the Office of the Press, National Poetry Press, 3210 Selby Avenue, Los Angeles, California 90034.

Hebrew Classes Start Saturday

Caltech Hillel is sponsoring Hebrew classes for all that want to learn Hebrew. Classes will be held Saturdays in 134 Baxter from 2:00 to 3:30 p.m. Amir Attar, from Israel, will be the instructor. Classes will be Conversational Hebrew as opposed to Liturgical Hebrew. Classes begin this Saturday (November 4).

Caltech Hillel Sponsors Political Debate

This Sunday at 12:00 Caltech Hillel will have a Lox and Bagel Brunch Debate between Jewish spokesmen for Senator McGovern and President Nixon. The debate and brunch will be held in the Penthouse of the Business Ser-



HSUEH-CHIA CHING, random Techer, is greeted by mob after approaching them when carrying empty pizza cartons. Photos by Ray Spear

vices Building on campus. More than likely, Zev Yaroslavsky (head of Jewish Youth for Soviet Jewry) and Al Spiegel (President of the Jewish Federation Council of Greater L.A.) will debate for McGovern and Nixon respectively. Cost will be 75 cents for non-Hillel members.

Three Day Marijuana-thon Planned

Backers of Proposition 19, the Marijuana Initiative, plan a huge, eleventh-hour "marijuana-thon" to take their message to the people. They ask all interested

college students to volunteer their time, for a few hours or for the full three days. Their phone number is 381-5071.

Are You Lost? Get Help Fast!

The Educational Testing Service is offering a new program designed to help grad school seek out potential students from minority groups. Called the Minority Graduate Student Locator Service [don't ask why — Ed.] about 300 schools are expected to join this year with more offering the program later.

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Bicycles

Continued from Page Three
Steyr, or any other brand which is made in the U.S. or Europe. The same goes for three-speed machines (the Shimano 333 hub, although Japanese, is quite good if properly cared for — as is the

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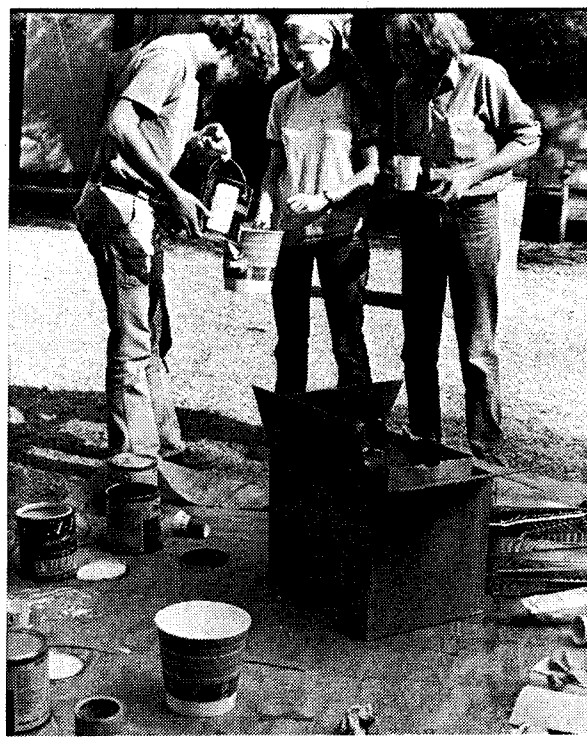
or contact

Phil Neches (Fleming)
or Dave Drake (Ricketts)

Sturmey Archer and most others). In ten-speed bikes, good brands are the Clubman (a best buy at \$93), Peugeot (Model U08 at \$115), Puch Bergmeister, Gitane, and Dawes. Raleigh is all right, except their two local dealers have had many complaints from customers and leave much to be desired. Unless you plan to buy the Paramount (at \$353), stay away from Schwinn; they're just too heavily built — excess weight without additional strength. Other models which I am not too familiar with, but appear to be good, are Motobecane and Bottecchia. Shop around to find the lowest prices.

Local bicycle shops worthy of note are Sam's, 2063 N. Fair Oaks; John's, 391 S. Rosemead; B & H, 1516 Mission, So. Pasadena; and Montrose Bike, 2501 Honolulu, Montrose. There are many more local places, however, none of which I recommend. Remember: **DO NOT** buy your bicycle in a toy or a department store! And if buying a used bike, get a receipt with name and address of the seller (demand their identification) — the bike is likely **HOT**. (First in a series of articles on the care and feeding of bicycles.)

Behaviorial Bio Bash



HERE we have random (or maybe not-so-random) Techers participating in a traditional fence-painting. The results can still be seen gracing the fence surrounding the new Behavioral Bio building now being erected. Photos by Peisner

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MISCELLANEOUS

SUMMER IN VERMONT? Think Middlebury College. Advanced study in French, German, Italian, Russian, Spanish. Beginning and advanced study in Chinese, Japanese. Begin work toward the M.A. as an undergraduate. Write Room 124, Sunderland Language Center, Middlebury, VT 05753.

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The Critical Ear



New Blood, by Blood, Sweat, and Tears.

When David Clayton-Thomas left BS&T, people wondered what the group would sound like without his driving bluesvoice. I'll tell you what they sound like: they sound like the original group would have sounded without Al Kooper.

The music on this album ranges from a Kooperesque rendition of Bob Dylan's "Down in the Flood" to a passably good pure jazz cut, Herbie Hancock's

"Maiden Voyage." Surprise cut of the album is Carole King's "Snow Queen" (yes, the same one that someone had as a hit two or three years ago), a song totally out of character for the group, but done very well.

The album has one real flaw, and that is the lack of a consistently good vocalist. Jerry Fisher, the new lead vocalist, just isn't a Clayton-Thomas or a Kooper. He sings, but his voice isn't quite the forceful instrument that some of the cuts need. Steve Katz is available, but sings only one song, although I think he should have been the one to sing "Snow Queen" (If for no other reason than to give a little vocal contrast from Fisher). Otherwise, the album is pretty good, well worth a listen.

(Columbia KC31780)

— Smithnik

Vote In The Election— Get A Free Hershey Bar at Trader Joe's Market

If you vote in the general election this November, just bring your ballot stub to Trader Joe, and we'll give you, FREE, a big Hershey bar (regular retail 23¢).

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Term Papers

Continued from Page Three

other animals, particularly toads and German frogs, undergo a strange metamorphosis into the animals of the title, coincidentally with the Wagnerian opera revivals. Correlation with pesticide levels, sunspots, and the magnetic field of Jupiter fails to explain this phenomenon.

Chemical Engineering: An Unconventional Lubricant.

The grease produced in apparently unlimited quantities by a secret process of the Canteen Food Service has a slippery, slimy quality beyond the wildest dreams of Andy Granatelli. Unfortunately, it is also corrosive to cast iron, stainless steel, aluminum, and Teflon.

Advertising and Communications Research: Counteradvertising Campaigns: Failure and Success.

The National Health Council has mounted an advertising campaign against several patent medicines in recent months. One of these is Reviverin. The commercial depicts "Matilda Fenwick, Long Island suburbanite and mother of two," taking two

Syncon Reception

Continued from Page Five

about six months" was his answer.

Roddenberry mentioned the strong support the program was getting overseas in Germany and Japan. "Last month," he said, "I received a hundred letters from Germany. I can't read any of them, but they all say 'Danke!' so I guess they must like the show!"

Although we didn't get to see Bradbury at the reception, we did talk to him before the show. He is planning a visit to Tech in the near future, probably December or January.

Reviverin and then "dancing to *The Flight of the Bumblebee* and keeping up with it," cheerfully smashing a "priceless Ming Dynasty vase" as she goes. This campaign must be considered a failure: as Reviverin sales have skyrocketed in certain areas. A more successful commercial is the one featuring rock star Rod Stewart endorsing Yicks formula 44 as the source of his million-dollar voice.

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WPSA ACTS

Cross Country Team Stumbles; Griffin Third

The Physicians for Automotive Safety has announced the formation of ACTS — Action for Child Transportation Safety — a citizens' group concerned with the problem of protecting young passengers riding in motor vehicles. ACTS was formed by three young New York city mothers and serves as a complement to the current work of the PAS, which is the reduction of child mortality on the highways.

One of the founders, Mrs. Gisela Moriarty, explained why ACTS was formed. "It is not generally known that the motor vehicle is the number one killer of American youth. Pedestrians and bicycle riders account for a large number of casualties, but 2700 car passengers under the age of 15 lose their lives on the highways each year; hundreds of thousands are injured."

Information about ACTS' proposed action program can be obtained from: Action for Child Transportation Safety, 400 Central Park West, #2R, New York, NY 10025. A local group with a similar project is the Consumer Protection Committee, of Women for Political and Social Action. For information, contact Stephanie Russell (798-5197) or Anneila Sargent (795-6345).

Caltech's cross country team was defeated by Redlands last Friday by a score of 24-35. Redlands harriers Riggs and Isaak swept the first two places in times of 27:31 and 27:38.

Greg Griffin and Al Kleinsasser finished third and fourth in times of 27:43 and 29:09. Both Beaver harriers established personal records over the home course for the second straight week. Griffin bettered his time by 15 seconds over his previous best and Kleinsasser by 45 seconds. Kleinsasser ran his strongest race of the season and showed some of the form that made him the conference champion in the 880.

Griffin continued to show the remarkable improvement that has been his style each week of the season. Other Caltech finishers were Scott Matthews in 5th, 29:13, Ralph Hayward 11th, 33:41, and Erick Horsely 12th, 36:00.

On Saturday, November 4th, the conference championship will be held on the Mt. San Antonio College course. Griffin has an excellent opportunity of becoming the first Caltech medal winner in several years.

Football Team Shut Out By La Verne— First Time Since 1970

by Bob Kieckhefer
Caltech's football team tried but failed to put a little excitement into a gloomy day last Friday, as the La Verne Jayvees were victorious, 32-0. Even the song girls found it hard to cheer up the crowd as the Beavers were routed.

Bob Bales sat out this game, and Greg Hoit had problems replacing him at quarterback. While Tech ran more offensive plays than La Verne, nine interceptions hurt the offense greatly.

Steve Bissett led Tech rushers with 147 yards in 23 carries, while Jack Stemple was Hoit's prime passing target, catching four throws for 34 yards. Co-captain John Morton led Tech's defense with ten tackles and three assists, and also found energy to pick up 43 yards in nine attempts on offense.

Although the offensive line and defensive backfield were burned often in this rematch with La Verne, most of them are frosh or sophs and have shown improvement throughout the season. Perhaps they will have corrected their mistakes before the next (and last) game, at UC Riverside JV on Saturday, November 11.

La Verne 0 12 6 14-32
Caltech 0 0 0 0-0
LV-Mehau, 1 run (kick failed)
LV-O'Connor, 63 pass from Mehau (kick failed)
LV-Jackson, 34 pass from Mehau (run failed)
LV-O'Gorman, 38 punt return (Soon kick)
LV-McTuber, 6 run (Soon kick)

| | CIT | LV |
|------------------|-----|-----|
| Offensive plays | 70 | 48 |
| First downs | 16 | 8 |
| Total yards | 271 | 262 |
| Yards passing | 70 | 197 |
| Yards rushing | 201 | 65 |
| Passes attempted | 26 | 19 |
| Completed | 9 | 8 |
| Intercepted | 9 | 4 |
| Penalties | 10 | 13 |
| Yards penalized | 88 | 123 |



Swirled Again

Reck Draws Royal Flush

by I. M. Wett

The water polo team played two close games last week, but lost both when second-half exhaustion slowed down the Tech swimmers. Last Wednesday the team lost to UC San Diego, 8-4, and on Saturday the score at the final gun was Redlands 11, Caltech 4.

The long drive to San Diego seemed to tire the Techers, and UCSD jumped to a 3-0 first-quarter lead. Russ Desiderio and Steve Bitondo scored for Tech in the second quarter, however, to narrow the score to 3-2 at halftime.

The Last 3 Minutes

Tech continued to play hard in the second half, and tied the score at 4-4 (on two more scores by Desiderio) with three minutes remaining in the game. Soon after this, however, disaster struck, as in various obscure ways UCSD managed to pump in four goals for an 8-4 victory.

The long drive to Redlands, in contrast, did not seem to put the Techers to sleep. The first half was marked by hard swimming and fast breaks by both teams, with Tech enjoying a 2-1 halftime lead on goals by Jim Jakway and Desiderio.

The Techers tired rapidly in the second half, however, and were caught committing fouls trying to keep up with Redlands swimmers. Russ Desiderio at-

tacked the Redlands goalie to score a goal for Tech, but in quick succession six (!) Techers fouled out of the game.

The One-Man-Short Offense

Since Tech had only five substitutes, they had to play one man short for the last three minutes of the game. This may become a new offensive strategy, however, as Redlands was held scoreless during this period while Bob Kieckhefer scored one for Tech. Redlands' 10 second-half goals were more than enough, however, as they cruised to an 11-4 win.

During the UCSD and Redlands games Tech's frosh swimmers played a lot (especially against Redlands) and continued to develop their "game sense." Although they lost both JV games, they will form a solid, experienced second string on next year's team, giving the starters time to rest instead of fouling out.

Claremont Here Saturday

Occidental's strong water polo team was here yesterday to complete the first round of SCIAAC competition. On Saturday at 10:00 Claremont-Mudd (currently in first place) will be in town to take on Tech, and next Wednesday the Techers will drive to Claremont to take on Pomona-Pitzer.

And They're Off!



JIM BLACK starts the Redlands cross country meet by holding his right hand in his pocket. Greg Griffin, eighth from right, led Caltech harriers by placing third. On Saturday the team takes on the whole conference in the SCIAAC meet on Mt. SAC's course. Photo by A. J. Owens

The Menu of Champions

| Saturday, November 4 | | | |
|-----------------------|--------------------------------------|-----------------------|--------------|
| 10:00 a.m. | Water Polo | Claremont-Harvey Mudd | Home |
| 10:30 a.m. | Soccer | Redlands | Away |
| 11:00 a.m. | S.C.I.A.C. Cross Country Meet | | at Claremont |
| Wednesday, November 8 | | | |
| 2:30 p.m. | Soccer | Occidental | Home |
| 3:30 p.m. | Water Polo | Pomona | Away |
| Thursday, November 9 | | | |
| 3:30 p.m. | Water Polo | Chapman | Home |
| Saturday, November 11 | | | |
| 11:00 a.m. | NAIA District III Cross Country Meet | | at Fresno |
| 1:30 p.m. | Football | UC Riverside JV | Away |

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