A new dimension to rigid body motion was added to physics on Thursday, October 14, when an unexpected question turned a physics colloquium into burlesque floor show. Howard Berg, professor of biology, was the victim of another Caltech prank.

Dr. Berg began his seminar entitled "Rotary Motion in Nature," things got out of hand, and he dis­coursed on such matters as the rotational motion of bacteria. Halfway through the seminar, however, a planted questioner asked, "Is there any example of rotary motion in higher organisms?" Before Dr. Berg could utter a response, the door behind him flew open, a drum roll began, the lights went up, and Jamie the Wonder Wonder popped out to twirl her tassels in his face. The inte­gration of the prank into the seminar was so good that even physicists thought that Berg had deliberately planned it, but he has since been betrayed by his bewilderment.

The stunt was engineered by Steve Block, a grad student in biology, and Beth Nordholt, a grad in physics.

All Dr. Berg could say was, "Someone get her phone number!"

---

Dr. Morris P. Fioriria, Professor of Political Science at Caltech, delivered a serious, yet informative lecture on "The Decline of Collective Responsibility in American Politics," in the second of the series of biweekly Watson lectures in Beckman Auditorium.

Dr. Fioriria's main thrust was to expound on his view that American government is weakening, not because of the growth of single-issue politics, but because of the decreasing amount of responsibility at the collective (specifically party) level.

He defined responsibility as the "who will take the blame" in the case of a failure, and collective responsibility as the ability of all members involved to accept blame for a failure. This would best be accomplished by the party system.

The party, he felt, was the ultimate device in maintaining collective responsibility, in its many-fold ability to subordinate politicians under the party and hence forcing the record in civil service to reflect the party's record, frequently practiced in the late nineteenth century by various political machines.

However, now, he continued, through various accidental and intentional acts to curb party power by legislators and citizens, the bond between the politician and the party has been all but severed, as evidenced by the growing in­cidence of independents and split-party voting. It was this breaking of ties that let the usually ineffective political action committees (PAC) wield great weight, putting up single-issue candidates and in pressuring politicians, once shielded by strong parties, to adopt their positions. This in turn gave the appearance that PAC's were running the government, leading to disillusionment with government and especially with the parties, leading to further decline in party power.

He concluded with the paradox of collective responsibility vs. citizen participation in government. Too much participation leads to too little collective responsibility, as is today's situation. Too little participation leads to too central­ized politics. It is the resolution of this paradox that eludes us.

The lecture was well organized, well delivered, with frequent anecdotes and evidence, and readily understandable.

The next lecture in the series is November 19, at 8 pm, given by Dr. Anthony C.S. Readhead, on "Quasars and Continental Drift."
Dart, tart, smart. cart. Oh, and tart, which brings us to today's editorial: Art. Particularly "The Horizontal Pillar." As most persons at Tech are probably aware, a band of rabid terrorists forcibly abducted this fine example of modern art from its resting place across the Court of Man and thrust it upon the soft turf between Gates and Dabney Hall. Both Michael Smith, the Baxter Art Gallery Director, and Jud Fine, the artist of the pillar, were outraged by this callous act, and they both suggested that the vandals responsible quickly recoup the "work, its esthetic and physical determinants were destroyed. " When Smith said that the actions of the student-terrorists have become part of the art work, however, we think that he approached the truth of this matter.

Art is more than the whims of an artist. An art object is an independent, organic entity whose bumbling umbilical cord from the artist is severed with that last chisel stroke or with that last batch of hay. For Fine to worry about the "determinants" of his pillar is for him to deny the life he created. And all life must grow and evolve only to decay eventually into dust. We believe that the artist must have felt this truth, though, because why else would the originally straight and firm "Horizontal Pillar" become limp and sag?

The original position of the pillar was intended to represent Western Man and his relationship with other men, and to have been set just on the Court of Man as the pillar's initial resting place shows an incredible amount of insight and subtlety on the parts of Smith and Fine. They knew that by setting the pillar in the way of normal student traffic, a group of students representing traditionism and conservatism would move it to a different site, thereby jettisoning Western Man into the modern world. By initiating the controversy that they have, Smith and Fine realized that some students would attempt to burn the pillar. What better way to represent the wars that scar the history of the West than with burn marks? With the recent effort to make the pillar horizontal once more, the brilliance of Fine shines through, for here we have a symbolic act that proclaims the war over and the battle won!

—Stuart Goodnick

THE CALTECHY . . . . . . . . . . . . fly-by

Today, Friday, October 24: P. Pat Productions brings you a NOON CONCERT with classical flutist Jean Goodlow, accompanied by classical guitarist Anaiza Angarola. Bring your lunch to Winnett and enjoy.

Monday, October 24: A NOON DISCUSSION with pacific Jack A. Nelson. Jack will speak on the problems of today's militaristic world in his speech entitled "Bread, Not Bombs." Come on up to Clubroom One and give your views.

Wednesday, October 29: A stroke of fortune has allowed our hero P. Pat to bring together The Stick Band and Emmett Chapman for an EVENING CONCERT. At 8:30 P.M. in Dabney Hall.

Wednesday, October 29: The Caltech Y is bringing you a chance to expand your literary expertise. From 7:30-9:30 P.M., science-fact writer Tim Ferris will give another WRITING WORKSHOP in Clubroom One.

Friday, October 31: Alright, folks, what's special about today? Besides Halloween, dummy. That's right, it's NOON CONCERT day. For lunch music on the Quad today, P. Pat Productions will bring The Bopkats, rockabilly musicians extraordinaire. And if you're thinking about missing this Noon Concert to get an early start on your trick-or-treating, forget it. We've got a special treat for you at intermission. See you there.

By Lee Sanderlin

If you were told to write this article by Tuesday, would you do it Monday night? Would you worry about it? Would it end up in next week paper instead of this week's? This was exactly what Dr. Phil Zimbardo talked about Friday. Stanford psychologist, he was there for much research in this and other fields as well as extensive writing.

Children think only abou the present. Thus, they may poor decisions for the future but they experience more c what they attract. Caltech students, on the other hand are among the most future oriented in the Western. Science and technology depend on continuing research.

The California Tech
Friday, Oct. 24, 1980 95050
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Staff Liaison Grover

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Students at Tech are probably aware, a band of rabid terrorists has attacked our cultural development. Thus, we think that he approached the truth of this matter.

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THE CALIFORNIA TECH
Friday, October 24, 1980

Look to Future with Fee in Past

Computer Science and Electrical Engineering Majors

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software, hardware for integrated voice and data office communications systems seeks

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WHEN: Saturday, November 1. 9 a.m. – 4 p.m. (one hour for lunch)
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REGISTER TODAY—BEFORE YOU FORGET!!!
Members of Dabney House cast thousands of tons of computer scratch into their courtyard in a desperate effort to seek the eternal high.

Well, it's that time of year again, when the entire population of the student houses is out there, hard at work, trying to consume enough water, by any available means, to help balance the Department of Water & Power's fiscal sheets for the year. Specifically, I am referring to the standing tradition of showering the frosh, swapping the upperclassmen (and women!), and in general giving any random person a bathing just for the hell of it. It's a great tradition; it gives all the incoming frosh a proper perspective of the diligent, serious and dignified atmosphere which continually pervades the campus; it keeps the upperclassmen/women from becoming excessively bored (especially those of us who still haven't been assigned any work—ha ha); it provides B&P with an excellent field test of their plumbing, on which they have lavished the same care and excellent service as is their usual style; it marginally raises the level of cleanliness among students, although it usually isn't a problem to be considered; and it gives the struggling frosh an incentive to at least survive their first year at Tech, so that they can do as they have been done unto.

However, if you are a dry frosh, as I once was, and wish to remain so (dry, not frothy), there are some tips to follow. For example, while at other times and places actual provocation is needed to get showered, for now the mere fact that you're a frosh is sufficient. Remain obscure. Stay in your room all day and all night, trolling physics and math. Remain quiet in the presence of your elders. Do nothing to attract attention; if you need help trolling, go ask another frosh (and close the door behind you). Wear water-repellent underwear, failing that, dress as conservatively as possible. Many (although not all) would-be showers can be avoided if you're wearing a two-piece leisure suit. Obtain a map of showers on campus, noting the routes to your 8:00 classes which may pass perilously close to a convenient water supply. If someone else is getting showered, avoid the scene; there is no incentive to shower someone as having just showered someone else and being in the mood. Bewail and bemoan the fact that you came to Caltech with only two changes of clothing and can't afford to get one wet. (Better yet, tell everyone you've only got one set.) Casually let it be known that you're fourth-level black belt in karate, although this can backfire occasionally. Above all, when a group of people cluster around you with a sadistic gleam in their eyes, plead an overdue Lit paper to soften their hearts. (chuckle)

Next week: missing chlorophyll and parking lots, plus some tips on what you're thoroughly soaking wet.

—the realist

SNEAK PREVIEW
October 27
Starring
An Intel Recruiting Team
in "ALL ABOUT INTEL"

If you're about to receive a degree in the following disciplines: Electrical Engineering, Computer Science Engineering, Solid State Physics, Chemical Engineering, or Materials Science—and are interested in careers in the design, manufacturing, marketing, or technical sales of Intel products; sign up now in your placement office to talk with one of our representatives on campus.

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Sign Up for Campus Interviews. Our recruiting team will be on campus soon to give you a preview about careers at Intel.
Western medicine has recognized a number of causes of debilitating disease, notably viral, bacterial, fungal, parasitic, and social. Today I’d like to focus on a viral, bacterial, fungal, parasitic, and social disease of uncommon decimatory power, one which infects and consumes many a brave soul, and claims a disproportionate toll from young adults. Friends of the victims have been treated to the heartbreak of twice their normal size and pitiful shrunken bodies. I speak of the heartbreak of nerdism.

Early symptoms of this malady are varied, and onset is often so gradual that the stricken fail to take action before the infirmity reaches an incurable state. Thus it is imperative for each of us to be mindful of the early warning signs. These include unusual habits, compulsive industry, contentiousness, bizarre fixations, and generally antisocial behavior. Often secondary symptoms accompany these indicators. The victims of nerdism (or “nerd”, by analogy with dwarfishness, cretinism, etc.) may undergo a bewildering sequence of changes in his social behavior as he finds himself ostracized from society and concomitantly lured into nerd-ist subcultures. A study of the social problems associated with leprosy is relevant to the early onset of overt physical symptoms. For long periods the nerd can be counterproductive if over­dosed, however. In this case the nerv may grow restless or white about imaginary obligations. Detaining him further may result in resentment and general erosion of the nerdy therapist/patient relationship.

Grisly descriptions of the later stages of nerdism abound in medical journals. I include them here only to stress the importance of early treatment. The most obvious is the complete atrophy of the musculature. Less noticeable but equally devastating is the loss of all primary sexual characteristics, which is evident from the general swelled appearance of the victim’s cranium. Simultaneously, he loses his ability to speak a curious-sounding gibberish which has been dubbed “nerdic” by early investigators. As he loses his ability to deal with the real world, it becomes obvious to those around him that he must be sent to an institution to be cared for. Terminal nerds usually live out the state, apparently without hope and dignity. Soon, all art, all philosophy, all sacred and profane, all beauty, all meaning, all morality or esthetic values, with no guidance from their mental superiors.

Only intensive psychotherapy can save the nerd, and the time to do it is now. Are you ready to flush the world’s prodigies down the institutional toilet? Can you turn your back on the likes of Carver and his kids? Don’t throw it all away. You can still save civilization. Send a large donation, today, to the Nerd Foundation.

—Chuck Nichols

**Fondung**

<table>
<thead>
<tr>
<th>2 lbs. Ground Beef</th>
<th>1 cup sliced fresh mushrooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 tbls. grated onion</td>
<td>1 cup water</td>
</tr>
<tr>
<td>1 sup crumbled bread</td>
<td>1 tsp salt</td>
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</tbody>
</table>

After frying meat, add onion and crushed rutebega. Stir fry for 5 min. Place in deep fryer, add water, bread, and mushrooms. Serve hot in Fondung pot.

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Willee B. The Gobble-Ups, and After Magrite Provide Quality Entertainment

Last Friday night I went to Ramo Auditorium with the idea that I was in for a typically bland evening. What else could I expect? After all, I was on an assignment for The California Tech for our writer, no more editorial comments out of you become a Tech editor, is. Unfor-

There were three separate parts to the program. The first part was “Willee B.,” an un-

The humor was often did not leave the audience sitting in the English sitting-room comedy. Once in a while some of the British humor got past the au-

There were three separate parts to the program. The first part was “Willee B.,” an un-

The Emperor of April

The Elephant Man Absorbs its Audience with Heavy Vibes

The Elephant Man, Directed by David Lynch, Produced by Jonathan Sanger, a Brookgreen Production, is now in general release. There really was an Elephant Man. His name was John Merrick and he was born in the English Midlands in 1863. At the age of 21 he was on public exhibition in a freak show, and the London physician, Frederick Treves, saw him, took an interest in him, and rescued him from his sor-

The film contains two interest- ing sidelights. Author, John Barry clearly had fun with this music. He composes it with skill and style, but in many ways it sounds like something out of a 19th century Victorian opera, which is appropriate for the period and the story. The music is not only effective, it adds to the overall atmosphere of the film. The score is composed of a mix of orchestral and choir music, creating a rich and complex sound. The music is also used to emphasize the emotional aspects of the story, with soft and melodic themes for the dream sequences and more intense and dramatic music for the scenes of horror and danger. The result is a film that is both visually stunning and emotionally captivating, making it a must-see for fans of both horror and period films.
Niven Suggests an Ideal Society

By Jim Mayhem

Science fiction writer Larry Niven appeared at Baxter Auditorium October 15 to lecture on modern science and technology. Mr. Niven is best known as the author of the Ringworld series, which deals with mankind's future. During his lecture, however, Mr. Niven concentrated on mankind's immediate future, specifically with the need for renewable scientific research and space exploration.

Mr. Niven's basic premise is that we cannot afford to be content with present level of science and technology, though we admit that the average person is now richer than in all of past history. In the United States, for example, contacting a person usually involves dialing a telephone. Travel is made simple by a jet plane. Just as Caltech provides you with technological advances which accelerate the progress of mankind, so we cannot afford to be complacent.

Mr. Niven has a three-phase program for correcting this situation. First, a series of orbital solar power satellites would be built. Such satellites can collect solar energy and beam energy to Earth in the form of microwaves. Secondly, this energy would be used to power a laser launching system. With such a system, it would become relatively simple to establish settlements on the Moon. The Moon could then be mined for needed resources. Finally, from bases on the Moon, construction of factories would produce items which cannot be made on Earth, or which cause pollution if produced here.

Mr. Niven admits that this program is expensive—on the order of magnitude of an initial investment of 100 billion dollars. However, once in operation, solar power satellites would provide cheap energy for such things as the laser launching of rockets. A laser launch system would be easy to operate because virtually anything is useful as reaction mass. With a cheap energy supply (i.e., solar satellites), a laser launch system will become practical and we will be able to mine the Moon.

Another way of looking at the cost of Niven's program is to compare it to present efforts to locate new sources of fossil fuels. Billions of dollars are now being spent every year to discover non-renewable sources of oil and gas which can only postpone the day when the flow of energy runs seriously out of control. Continued on page 11

Auditions for Candide Near

By Jeff Eriksen

Ever wanted to sing, act, or dance on stage? Ever wonder how the sets were built, how stage makeup, costumes, and lights were designed and implemented? Ever seen a live, staged musical comedy? Well, you're come to the right place! Just as Caltech provides you with technological advances which accelerate the progress of mankind, so do auditions and sign up. The more people we have, the more we can spread the work (and the fun!).

We are producing the 1974 musical satire "Candide" about Dr. Pangloss who expounds the philosophy that this is "the best of all possible worlds" and that everything that happens is for the best. Our young hero, Candide, tries to live by this philosophy, but finds the going tough through wars, volcanoes, rapes, swindles, abductions, and Inquisitions. He does have some good times, however, with a young lady who loses a cow. So what the heck is this "Candide" about? Well, Voltaire's original book was an outrageously satirical and biting (but not simplistic view of this philosophy of Leibniz, who voltered (or muddled or something) our beloved Calculus. In this musical version, Voltaire appears as narrator, and plays the pedantic Dr. Pangloss who expounds the philosophy that this is "the best of all possible worlds" and that everything that happens is for the best. Our young hero, Candide, tries to live by this philosophy, but finds the going tough through wars, volcanoes, rapes, swindles, abductions, and Inquisitions. He does have some good times, however, with a young lady who loses a cow. So what is the impact of the show? Well, Candide is Business Manager, and Chris Linblad is the Producer. Lee Miller and Eric Warren will respectively design the lights and set. Auditions will be held October 25 and 26, Saturday and Sunday, from 12:30 to 6:00 pm in room 19, Baxter. All Caltech and JPL faculty, staff and students are invited to try out. All parts are open. Come by or call the Theatre Arts office to arrange for an audition time, or simply show up and try your luck. We will hear everyone who arrives before 6:00. Singers are strongly encouraged to prepare a song and bring music for the accompanist. Music and scripts are available for checkout from the Theatre Arts office today and during auditions.

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Emmett Chapman and the Stickband will perform this Wednesday at 8:30pm in Dabney Lounge.
Kinks Aren't Pains In Neck

It's a trite strange, I think, that Ray Davies has become a respected man. The original Kink, the one who never conformed, the classic rule-breaking schoolboy in physical disgrace, is now leader of one of the longest-established bands in the infinitely short history of Rock. Since 1963 the Kinks have been pounding it out, and like everyone they've had moments of power, and glory, and disgrace—they were banished from playing in the U.S. because of flagrant drunkenness on stage which resulted in them not being physically able to finish many shows. In fact, the band had practised so little that Ray even forgot the words to "Lola". "I can't remember the fucking words," he shouted at one concert.

But there's something about the Kinks that allows them to transcend all this meaningless bullshit, and become, by some mystical, divine inspiration the greatest rock and roll band playing today. But wait! What about the Stones? Don't they have a tradition claim to that title? Well, if they do it's by squatter's rights, and is no value to the program. The Stones haven't made a worthwhile sound since "Goat's Head Soup" and that was nearly as little bit shaky). Now they're my nomination for "the world's most doped rock band." But the Kinks are a different story.

In spite of all this praise, I was disappointed when the recent "double live" Kinks album appeared. I mean frichissake, who needs another record like that? We've had enough with Fraption, Nugent, AC DC, every other double live, I thought. Well, after listening to the record I'm even more curious about why it was released, because it is doubtless one of the most useless and inane releases ever encountered: no spontaneity, no life, nothing really new. The audio performances and recording of predictability to all the big hits, and I'd be willing to bet the "live" sounds are as canned as Campbell's cream of mushroom. No, make that chicken noodle—chicken for the material, and limp noodle for the performance.

The fast-and-hard songs were well performed, starting with "Lola". "A Gallon of Gas", "Attitude", "Superman", etc. and on into a few older songs, but they are always the slower songs were best: Dave's guitar lines cut clean and crisp, Ray's voice is more expressive, and the lyrics reflect the sensitivity of the band. Singing "Celluloid Heroes" was a natural choice for an L.A. crowd, and Ray eased every bit of expression out of that beautiful and perceptive song...

Everybody's a dreamer, and everybody's a star, and everybody's in show biz, but... it doesn't matter who you are... You can see all the stars as you walk down Hollywood Boulevard/some that you recognize, some that you hardly ever heard of...People who worked and struggled and... 

If you're interested, please contact your Placement Office for an appointment.

CAMPUS VISIT: Thursday, November 6, 1980

Bruce Se
Caltech Prepares to Create a Mammoth Radio Telescope

By B. F. Goodrich

An array of ten matched radio dishes is being proposed by a Caltech/JPL group led by Professor Marshall H. Cohen. The radio dishes would operate together in what is called very-long-baseline interferometry (VLBI), a single radio telescope of continental dimension. The VLBI array sets out to establish the geographic location of the sources to an accuracy of one arcsecond, made possible by the rotation of the Earth. The project would be accomplished by using existing telescopes, which have been proposed by the National Radio Astronomy Observatory (NRAO) and a group of Canadian astronomers. All of the radio telescopes are presently used in the NRAO site at Green Bank, West Virginia, to discuss and coordinate their efforts.

Although signals from individual telescopes are compared only twice a month, the entire set of radio telescopes would measure better than the highest accuracy that was possible with one telescope, and would thus give us better results. The Caltech proposal would place radio dishes of 25 meters diameter at sites including Anchorage, Honolulu, the Owens Valley Radio Observatory operated by Caltech, and the NRAO's Green Bank installation. The projected total cost of construction of the ten telescopes is $38.8 million, and operations costs would be $4.8 million annually. A single operations center would produce very-long-baseline interferometric (VLBI) data for all the telescopes.

By Dave LePoirer

The Student Space Organization (SSO) is progressing as planned. Team leaders were chosen by Ralph Weeks, Project Manager, and John Whitehead. These two also worked gathering information over the summer.

The SSO has entered a new phase—deciding the feasibility of proposed experiments. The team leaders each establish enough information on the experiments by mid-semester so that some experiments which look infeasible can be cancelled or delayed. The purpose of their review is to see if we can understand and interpret the experiment; to see if the experiment is really new; to see if the experiment matches the requirements of the canister (i.e., size, heat transfer, power, and safety); to see if any industries are willing to fund some of the research; and to seek the best through contacts to design the experiment effectively.

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WANTED

Babysitting in my home, Tuesday, 12:00-5:00. 2 boys (5 & 9 yrs). 1 mile from campus. Call after 7 p.m. 681-8989.

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WE NEED WISH TO BUY ENCYCLOPEDIA set. Dr. G. J. Wasserburg. Caltech extension 2139 or 2439.

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HELP WANTED

THE CALIFORNIA TECH Page Nine
La Verne Kicks Beavers in Grass

By Jake

Caltech’s undergraduate soccer team was tied after regulation play for the 3rd time this year, but managed to lose their 8th game, 3-2 to La Verne last Wednesday.

La Verne’s game was hard-fought with the Beavers fighting back from 1-0 and 2-1 deficits on goals by Lance Dixon and John Kreibiel (Rob Roh, Roh). The game was marked by many opportunities for both sides. Each team had a shot bounce off the post, and many free kicks were given in front of both goals. La Verne was awarded two penalty kicks (on somewhat questionable calls), but only managed to convert one. Conversely, the Tech team had to fight for both goals.

First, one off a John McNally corner kick, that Dixon kicked out of the goakee’s hands, and into the net. McNally also set the 2nd goal with a low, hard, crossing pass that beat the goalie. Kreibiel easily finished the play.

Two of the team’s best games have come against La Verne, the other being a tie. Half of the team’s losses have been by one goal or less. With four games remaining the team is winless and has been outscored by their opponents nearly 2 to 1.

This game was the first of the season where the complete starting team was present. According to Coach Don Cameron, injuries and other complications have helped keep the team from realizing their full potential.

All year the team has been plagued by momentary defensive breakdowns which lead to “garbage” goals. Fortunately, none of this type were given at Wednesday.

The defense has improved from earlier in the season. Coach Cameron says the team is due to really surprise somebody.

The four remaining games are all at home. The crown has been consistently large as the team has a good chance a improving their record.

This Week in Sports

Soccer Club:
Saturday, October 25, 2PM
Here:
Caltech vs. Rio Hondo Academy
Soccer:
Saturday, October 25, 10AM, Here:
Caltech vs USC "B" team
Wednesday, October 23, 2:30PM, Here:
Caltech vs Claremont-Mudd SCALES
Football:
Saturday, October 25, 2PM, Here:
Caltech vs Western California Institute
Cross Country:
Saturday, October 25, 10AM, at La Verne
S.C.I.A.C. Finals

Women’s Volleyball
Saturday, October 25, 2PM, Here:
Caltech vs Redlands JV Thursday, October 30, 8:30PM, at Claremont:
Caltech vs Claremont-Mudd-Scripps J.V.
Water Polo:
Saturday, October 25, 10AM, Here:
Caltech vs Oxy Wed., October 29, 4PM, at Whittier:
Caltech vs Whittier

Cross-Country Team Finishes Season

By Gordo

The Cross Country Team finished its dual meet season last Saturday with races at Whittier. The Men’s team again ran well, with three runners not scoring any meets this season. The Men’s team decimated by injuries, illness, ineligibility, and GRES, lost matches to Claremont and Whittier while beating La Verne. They finished with a record of 3-5.

The seven who did run fared well individually, by large, but the absence of key people was felt. First for Caltech was Karl Clussing who finished essentially even with the race winner, Calder from Whittier. Shawn Larsen was second for Caltech, coming through when he was needed, with a fine race. The third runner was Paul Eskridge, who ran a 1:06 personal record (PR) despite being sick much of the week. Fourth was Randy Field, another forty seconds back.

Fifth was Jim Drake, in only his second meet. Jim managed to run faster per mile at Whittier than at Caltech the week before, despite the draining hills at Whittier. His sixth spot was Eugene Hu, who kept plugging away. R. C.

continued on page 11
Page and Fleming Compete Once More

By Tim Brazy

Page House defeated Fleming in Interhouse softball last week by the score of 8-7. Bothinn played a fantastic game in what turned out to be a classic confrontation.

R.C. Colgrove led off for Page with a single to right field and then had to drop out of the race. The Men’s team hopes to recover from this Saturday’s SCIAC Championship meet, to be held at LaVerne. Last season Tech took third in the SCIAC race, but we figure to have a tough field, beating Redlands and Claremont again this year, even though we are out of order and healthy.

The Women’s team closed their season with no record, but one of the finest races a team from Tech has ever run. Julie Kornefffield finished first for Tech, and fifth overall, on a handful of seconds from her PR. Karen Close was 20 seconds back with a 2:50 PR, and seventh place. Finally Carlotta Paulsen came in third, ninth overall, and only 1:24 behind Julie. That clumping of runners was so close that all three could be seen at once as Julie came across the finish.

Men’s Results

CIT 43 - CHM 20
CIT 32 - LV 5
CIT 40 - Whittier 21
CHM 28 - CIT 45
CHM 20 - Whittier 49
LV 40 - Whittier 21

Women’s Results

Scruggs 22 - Whittier 34

(Neither CIT nor LaVerne finished five runners in the Women’s meet. Low total is the winner in each pairing.)

Women’s Volleyball are Bible Beaters

By Lisa Gneiler

The Caltech Women’s Volleyball team defeated the L.I.F.E. Bible College team 15-5, 15-6, last Saturday. Caltech dominated throughout the match, and the small but very supportive home crowd saw some notable performances as the outclass L.I.F.E. team was downed.

Sue Fubs picked up some quick points for Caltech with her cleanly-executed serve which was too fast for L.I.F.E. Lynnarine Thompson and Sandra Loh both played a solid game and Norma Giffen helped out with a few well-timed spikes.

The Women’s volleyball team’s win last Saturday should give them the confidence and momentum needed to achieve future victories.

X-Country from ten

Colgrove was running well when he injured his foot and had to drop out of the race. His team hopes to recover from this Saturday’s SCIAC Championship meet, to be held at LaVerne. Last season Tech took third in the SCIAC race, but we figure to have a tough field, beating Redlands and Claremont again this year, even though we are out of order and healthy.

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Job Opportunities

MBA Forums

MBA workshops will be offered under the sponsorship of the Graduate Management Admission Council to help students and working people to learn more about graduate management education. Prospective applicants will be able to talk with admissions representatives from MBA programs about admission procedures, curriculum offerings, financial aid and placement, and career opportunities in management. The Los Angeles workshop will be held at the University of Southern California, Town and Gown Room on Saturday, January 10 and Sunday, January 11, 1981. For further information please contact the Placement Office, Room 8, Dabney Hall.

National Science Foundation

The application forms for the Graduate and Post-doctoral fellowships have arrived and may be picked up in the Placement Office, Room 8, Dabney Hall. These applications have early deadline dates, so be sure to pick them up NOW!!!

Livermore Lives!

Yes, all of you undergraduates out there, the Lawrence Livermore National Laboratory is currently accepting applications for summer research appointments at its Livermore, California site. The appointments are expected to be made in these long-range programs: Laser Fusion, Energy and Resource Development, Magnetic Fusion Energy and Whiteny (honest, that's what it says). Applications must be submitted by December 1, 1980. For further information (especially about Whiteny) and application forms please contact the Placement Office, Room 8, Dabney Hall.

If you register for less than 18 units (a common last-quarter practice for graduating students) and most sources is automatically low. Technical CAVEAT SENIORS !!!!

Trick or Treat

Halloween is on its way, so is the first Caltech blood drive. Students and people from the Red Cross will be treating the house which donates the most blood to a keg of beer. This term the Caltech Red Cross Blood Bank will be available for Caltech donors in Dabney Lounge on Thursday and Friday, November 6th and 7th, from 9:45 am to 2:30 pm. If you want an appointment please call Margaret Coogan, 208 Dabney. Drop-ins are always welcome.

If you have any questions about donating blood a Red Cross representative will be in Winnett Lounge on October 30th between 10:00 and 1:30.

OVERSEAS

The International Association for the Exchange of Students for Technical Experience is now accepting applications for training abroad. On-the-job training abroad is available for students in Engineering, Mathematics, Architecture and the Sciences. Application information can be obtained in the Placement Office, Room 8, Dabney Hall.

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Send your resume to Dr. Daniel E. Gladkowski at The Charles Stark Draper Laboratory, Inc., 355 Technology Square, Dept. C, Cambridge, MA 02139.