

Men Wanted

The CALIFORNIA Tech

TO PARTICIPATE AS SPERM DONORS FOR A RESEARCH PROJECT IN REPRODUCTIVE BIOLOGY. REMUNERATION. CONTACT: Chris Amenson 226-3487 or Dr. Gerald Berstein 226-3091.

Volume LXXVII

Pasadena, California, Friday, November 7, 1975

Number 7

Tinker, Tailor, Student Patent

by Paul Mason

An open meeting to discuss the student patent policy proposed by the Faculty Patent Committee will be held next Tuesday from 3 to 5 p.m. in 142 Keck.

The meeting, open to all students and faculty, will be chaired by Dave Bourne, the undergraduate member of the Faculty Patent Committee, with T.L. Stam, the Institute Patent Officer, and Professor A.J. Acosta, Chairman of the Faculty Patent Committee, present to answer questions regarding the proposed new policy.

Bourne stated, "The meeting is for the students to voice their opinions, ask questions, and get answers concerning the proposed new student patent policy."

He went on to explain that some areas of interest to the student are: at what time will a student have to sign a patent agreement, upon registering for the first term at Caltech or when the student becomes employed by the Institute, and under what circumstances will the patent agreement be applicable to the student?

The student patent policy, as written by the Faculty Patent Committee, will be submitted for approval at the Faculty Board meeting on December 1.

I. D. Mixup

by Al Drehman

In case you hadn't noticed, the student ID cards which were supposed to be available this Monday weren't. They will not be available until November 17, and even then some people will find their ID's missing.

The problems are a result of the new process being used by the Graphic Arts Department for making student ID's. If all of the problems are solved, the Institute could save close to 50% of the normal cost involved in making ID cards. Unfortunately, this year about 250 were not of acceptable quality (119 were fresh ID's).

For those whose ID's are missing, the Registrar's Office will provide a means of validating the temporary cards until new ones can be made at the beginning of next term. If for some reason you need a permanent ID before second term, you can get one from Graphic Arts in Keith Spalding any weekday between 10 a.m. and 3 p.m. It is recommended, however, that you only do this if you absolutely need an ID containing your picture, because it will cost the Institute about three more dollars for each person who does this.



Turf Vac—Economy Size

Photo by B. Lockett

Football Team Installs New Offense

by Ed Bielecki

No, that strange machine behind Firestone on Monday wasn't the newest B&G go-cart, it was a visiting hovercraft, here for a seminar on such vehicles. The 2 ton craft was open for inspection during the day, and a goodly number of onlookers was almost always in attendance. The spectators were occasionally subjected to a small wind storm as the machine flexed its 440 cubic inch muscle, and moved itself a few feet. The more observant watchers may have noted that the craft carried both off-highway vehicle and boat stickers. The British company which built the machine, Sealand Hovercraft, has since gone out of

business, and this one is owned by a consortium of four other English hovercraft companies. They are traveling around with the craft and a presentation on hovercraft to drum up interest.

With the end of the seminar at 2:00, the beast bestirred itself and with its red anemometer spinning in the breeze, (and the help of a friendly jeep) made its way to the football field. Since its route took it along California Blvd. it caused a small traffic jam and great wonder in passing motorists.

At the field, a transformation occurred as the heretofore clumsy craft raised itself up on its cushion of air, and, with motor

roaring and windstorm following, threw itself around the field. Despite a minor problem with nose heaviness, and the smallness of the area, Mike Plackett, the driver, gave a novel display, spinning the craft end for end and chasing some of the TV news crews, giving spectators an idea of what the craft could do.

The 22 foot long craft has a top speed of 50 mph, and a range of 200 miles. It can carry 6 persons and is steered by rudders in the air streams, which also serve as air brakes. Several different versions are available, and Security is said to be looking into one armed with machine guns and rockets.

NEWS BIKINIS

Walk Out On the Arabs

There will be an organizational meeting of all those interested in participating in the Model United Nations, on Wed., Nov. 12 at 8 p.m. in the Y lounge. This year the M.U.N. is in Oakland and Caltech is representing Kenya. If you have any questions call Alaudin Bhanji or Jill Bechtold, 792-2952.

SIMS Meeting

The Caltech Student's International Meditation Society will have a meeting and lecture on Transcendental Meditation on Tuesday, 11 November at 7:30 p.m. in Clubroom 1, Winnett Center. This will be a good opportunity to find out about TM or to meet other meditators on campus.

Sticky Things

Campus is instituting an additional program of issuing student parking decals.

Officer Moore, campus traffic officer, will be at Winnett Student Lounge each Tuesday and Thursday between 12:30 and 1:00 p.m. for the next two weeks to issue decals to students who presently do not have campus decals. In addition to this convenient service campus decals can still be obtained at room 25, Business Services Building between 8:00 a.m. and 5:00 p.m. Monday through Friday.

Hard Things

A group of Caltech students wants to play team-handball. If you are interested, please contact Michael Kolb, Crellin 260, x2081.

Darbs Hold Drop Day

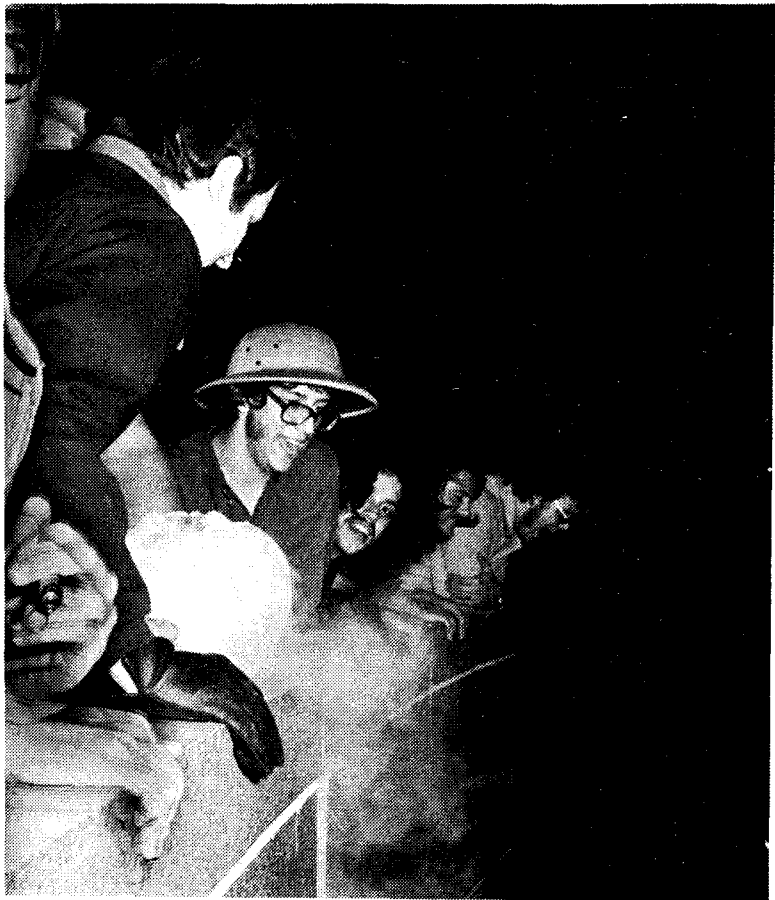
by Ed Bielecki

At the stroke of midnight on Halloween night, a well chilled relative of the Great Pumpkin came to rest near the base of Millikan in the Second Annual Dabney House Millikan Pumpkin Drop Experiment.

Preparations for this strange occurrence started earlier that evening with the selection of a suitably sincere jack o' lantern, which was then pre-cooled with dry ice. A search was then made for a cryogenic container to hold the pumpkin for the final cooling. A wood box was procured, and rendered leakless with water.

The pumpkin elect was inserted, and subjected to the first of many liquid nitrogen showers. With 30 minutes remaining, the pumpkin, smiling up through its pool of LN₂, was brought to Millikan and transported upwards. With the aid of Security, the roof was attained and the pumpkin was made ready for its moment of glory. With minutes to go, the pumpkin was placed on the edge, with a clink reminiscent of fine china.

The moment came, the pumpkin hurtled, and, despite hitting the grass, produced a most satisfying impact. (The tinkle of fragments could be heard on the roof.) After a brief stop at the impact points, to inspect the remains, the technicians of Dabney Cryogenics retired to the house to start planning next year's drop.



ROOF OF MILLIKAN: T-minus 5 Seconds and Counting.

Photo by K. Yoshida

Parry! Riposte!

The Editorial Page

Already in the days of the Sierra one could see in Che an exceptional man won over by the passion of a cause; someone capable of attracting, because of this very quality, the admiration and respect of his comrades. He was among the first to demand the riskiest mission, the most difficult battle. He was protagonist of the prodigious military and revolutionary feat of the "Invasion" of the western part of the island.

"The best among the good, the Party"

What distinguished Che was that the sum total of abilities and virtues that usually come together in a unique and exceptional personality. That is why he stood out not only as a brilliant leader and unsurpassed warrior, but also because of the integrity of his sentiments and moral values, his solid character, his unbreakable will subjected to the most difficult trials, which enabled him to overcome physical illness and which he liked to say he'd worked on "With the devotion of an artist."

In the early years after the triumph of the revolution, in addition to his responsibilities as a leader, he distinguished himself above all for his contributions in the field of revolutionary thought, contributions stemming from rigorous analysis and the enriching interpretation of Cuban and Continental reality, in the light of Marxism-Leninism.

Tribute to CHE

His evaluation of the importance of the masses and of the party's vanguard role in the revolution is permanent and valid today. He said: "We know we must nourish ourselves from the masses and that the masses can advance more rapidly only with the encouragement of our example." But it is necessary, he pointed out, that their conscious, individual and collective participation be stressed in all the mechanisms of leadership and production, linking it up to the idea of the necessity of technical and ideological education. And he always reiterated: "The trailblazers are the vanguard group, the best among the good, the Party."
—Granma

Spanish Sahara Fate of the Phosphate

In an elementary exercise of double-think, the government of Morocco has decided in the past several months that it has an historical right to the Spanish Sahara. But, intriguingly enough, they don't want all of the Spanish Sahara, they want only the part containing the phosphate mine (singular) which constitutes some eighty to ninety per cent of the total Spanish Saharan GNP. The rest of the Spanish Sahara will be benevolently donated to the southern neighbor. In the midst of all this, Algeria has been attempting to organize a Front for the Liberation of the Spanish Sahara. Oddly enough, the Algerians want only the part containing that phosphate mine.

Yawn, groan. Another rinky-dink wailing about the political fate of a couple of thousand nomads — time to move on to the next article. Pity. In the midst of this hotbed of political liberalism one would think that all people rated equally, but let's face it, a few thousand more or less politically independent nomads in central Africa will make very little difference to the life of an average American. Indeed, very few Americans are even taking notice of 30K Morroccans marching into the Spanish Sahara chanting "The Sahara is Ours!"

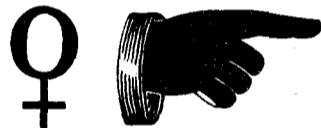
We aren't advocating that every Techer drop what he or she is doing and rush off to join the Saharan guerilla movement (a few dozen will do), but there should be some awareness of what is going on in the real world. The next time you're grasping at straws while in the throes of a hard delivery, plucking this history as analogy from your dim memories of Friday lunch might make the delivery of that term paper a little bit easier.

—Sandy McCorquodale

Caltech Forum

The faculty and administration are considering ways to make the JPL-campus [word apparently missing] more fruitful for all concerned. It might be a reasonable idea to implement study programs which in inception are not basically different from work-study or co-op programs at other campuses. There is at present a mutually beneficial interaction with the students in the form of summer jobs. These are both earning and learning situations. With the considerable number of students who contemplate this type of future, such a program would clearly benefit the students in a big way. In addition, if such a work-study program were instituted, it would free previously restricted funds from defense contracts by allowing them to be used as de facto scholarships or grants-in-aid, while simultaneously allowing students to get academic credit. Even if it turns out that such a program is not feasible, the added value of being able to participate in an undertaking of monumental scope makes the possibility of weekend seminars at JPL seem very much appealing from an idealistic point of view, with very few practical drawbacks. If anybody would be interested in implementing a program like this, or has any ideas, please see me in 26 Dabney House.

—Jim Backus



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T.M. DEICO/FEIFINC 1975

THE ASCIT FRIDAY NIGHT MOVIE
Monty Python's flying circus

And Now For Something Completely Different

7:30 p.m. & 9:30 p.m.

in Baxter Lecture Hall

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

NEXT WEEK:

Camelot

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AMERICAN CANCER SOCIETY

*This fact taken from a research study is based on the smoker who at age 25 smokes about a pack and a half of cigarettes a day.

This space contributed by the publisher as a public service.

The CALIFORNIA Tech

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Head Honchos

Ed Bielecki

Sandy McCrocodile

Ken Yoshida

Managing Ken Kroll

Features Mojo

Entertainment Pam Crane

Celluloid Lewis Hashimoto

Sports Joe Esker

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Brian Lockett, Barry (Trigger-

happy) Nakazono, Chiu Yuen Ng,

David Weinshenker, Chris (Four-

on-the-Floor) Wheeler.

Business Manager .. Becky Winter

ABM ... S. (Aluminum) Reynolds

Circulation ... Wayne Dickenson

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Calling

All Hams

Caltech Amateur Radio Operators, including students, faculty, and staff, interested in using the club station W6UE should contact Karl Stephan, 11 Housing Annex, for keys and to arrange dues payment. Meetings are held every second Wednesday at 10:30 in Winnett Clubroom One.

Pardon

My Brush

Would Monet and El Greco have been flops if they had had glasses? Find out! Come hear Cary Lu, Associate Biologist at Tech talk about *Visual Problems in the History of Art*. Monday, Nov. 10 at 7:30 in Beckman, free.

Attention Phototrolls

Anyone who wants to be a member of the Student Darkroom this year should see Rich Feldman, 240 Ruddock. Dues are \$1.50 per term. There will be an introductory meeting for new members Sunday at 2:00 at the darkroom. The darkroom is in the basement under Dabney House.

Sex and the Single Girl

"The intelligent girl knows when to use finesse."—Helen-

Gurley Brown, *Sex and the Single Girl*. Bridge club meets 7:00 Saturdays in Winnett Lounge.

Check And Mate

Anyone interested in participating in a UCSF rated chess tournament on Nov. 22 please contact Robert Howard or Lee Aydelotte in Dabney House, x2171.

More

Sugar!

There are still tutoring positions open at the placement office, including one in organic chemistry and one in computer programming. [\$\$\$\$]

Air Aces

Wanted

This week the Caltech Gamers present, for your delectation, an aerial miniatures game, WWII era. Yes, you too can pilot your very own Spitfire or Mustang against the dirty Nazis (or pilot your Bf 109 against the decadent Allies, if you prefer). Bring pencils, tape measures, protractors and flying goggles if you have them. Everything else provided. Saturday night, 7:30 p.m., Dabney Hall Lounge. Also, D&D and other games on Friday night in Clubroom 1, Winnett Center, from 7:30 on.

Monkey

Business

Tickets for Jane Goodall's lecture on chimpanzee behavior (Nov. 19, 8 p.m. in Beckman) are nearly gone. 50 rush tickets at \$1 each will be available to Techers starting Nov. 18. Limit 2 per person.

What, No Egg Rolls?

My Land, My People a movie of China set in the days of the Sino-Japanese war (with English subtitles) will be shown in room 365, New S. Mudd, Saturday November 8 at 8:00 p.m. Admission is free to CCSA members; others charged 50 cents. Sponsored by the Caltech Chinese Student Association.

The Crowds Go Wild!

Mr. Don Browning of Caltech's Program and Budget Office announced last Monday that all students will be able to charge purchases at the Bookstore to their Student Account. (Previously charging privileges were extended only to those students receiving scholarships or loans.) This new policy is a result of a recent investigation carried out by business services. To obtain a charge authorization, a student must obtain a card from the Student Accounts office, which is across from the elevator on the second floor of Keith Spalding. The ability to charge purchases at the bookstore should reduce the hassle of buying supplies for the student along with reducing the danger that an essential text goes unpurchased for temporary lack of funds.

Students are reminded that accounts with the Institute are handled on a "payable in 30 days" basis; delinquency could result in temporary suspension of charging privileges.

We cordially invite Caltech students and faculty members to bank with us.

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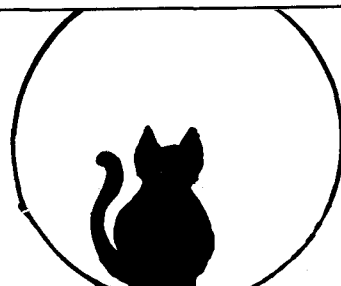
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Techer After Dark

by Pam

This week's show at the Ice House is a must. The Roto Rooter Goodtime Christmas Band is the headliner. Those undying fans of Dr. Demento will already be familiar with these guys, if not for their other fine numbers, for their recording of "Pico & Sepulveda", Dr. Demento's theme song. Fans of their one album really shouldn't miss this opportunity to see them in person.

The five guys who made up the performing group (there was one more on the record) were incredibly multi-talented. Little Orphan Ollie was primarily the drummer, but he also played a mean bass trombone and tuba, and even a trumpet solo while playing drums at the same time. Dr. Mabuse, d.o.a., stood out on tenor sax and clarinet, throwing in some vocals occasionally. Buffalo Steve was the spokesman for the group and performed on bass, guitar, and bass and baritone sax. Bb (B-flat, not BB) Baxter played sax and electric piano and did some lead vocals. Awfthe Walle carried some fine lead vocals, and really stood out on his stunning trombone solos. They all played everything like

experts.

Besides that, the excitement this group of nuts conveys to the audience is stunning. They all come on stage in some outlandish costume. The two "sea gods" were provided to turn the ladies on. Bb Baxter was just there, but Awfthe Walle seemed more actively engaged. This guy truly wears a smile between his legs. Between acts the band would dash around stage changing instruments and putting on different wigs that lined the walls. See Roto for a truly Good Time. For only \$1.50, it's a show that can't be beat.

The lead-in act (there's only one) is Peter Alsop, a comi folk-singer who just released an album, some of which was recorded live at the Ice House. He's a fun person to listen to sort of in the vein of Marti Mull.

See Peter Alsop and Roto tonight or tomorrow night at 8:30 and 10:30. If you go to the 8:30 show you can often stay for the 10:30 free, and get a completely different show. Be sure to make reservations early this one will sell out fast.

Continued on Page Eight

Ex-techer Grimes Outstanding

by Ed Bielecki

Under the guise of a classical guitarist, ex-Techer David Grimes came home last Friday. Playing to a full Ramo Auditorium (which contained, alas, an abysmally small number of Techers) Grimes gave a very credible and enjoyable performance. He seemed a little ill at ease at the start of the evening (being back at Tech could be unsettling), and made a few very minor mistakes. As the pieces (which included that old French classic *The Bear*

Went Over The Mountain) became more complex, however Grimes' playing became almost flawless.

He was given a standing ovation, and responded with two encores, one of which was from his days as a Visiting Artist with the Tech Glee Club. Grimes, who graduated in 1962, started his musical career while at Tech. It is now a widely acknowledged virtuoso of classical guitar, and often called on to judge competitions.

Stanford MBA

REPRESENTATIVE COMING TO CAMPUS

WEDNESDAY MORNING, NOVEMBER 12

A representative of the Stanford Graduate School of Business will be on campus to discuss with interested students the exceptional educational opportunity of the Stanford MBA Program.

Appointments may be made through The Placement Office

The Stanford MBA program is a two-year general management course of studies designed for highly qualified men and women who have majored in liberal arts, humanities, science, or engineering, and wish to develop management skills to meet the broad responsibilities which will be required in both the private and public sectors in the future.

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	SAT. 10-5	OPEN SUNDAY
WEST L.A. 11841 WILSHIRE BLVD.	MON.-FRI. 11-8	478-4071
	SAT. 10-5	OPEN SUNDAY

CALTECH



Programs

We skip immediately to Friday, a week henceforth. The L.A. Mime Company will make their silent debut on the Caltech scene at noon, on the Quad. This outstanding troupe of five young pros will present for your diversion an hour of razor-sharp contemporary comedy without words. They have individually studied with the masters, taught

at local colleges, and performed in an amazing variety of films, TV programs, and commercials. Don't miss this show, one week from today.

I'd like to take this opportunity to remind you of what you can get on the second floor of Winnett. We have a six-cent-each Xerox copier most of the time, or at least when over-optimistic turkeys don't try fixing it themselves (like last weekend). There are the \$25 no-interest, no-hassle, thirty day loans, and the used book recycling shelves. Say—if you've left any books with us lately, please drop by to see if they've sold! We have several hundred dollars of your money, and we are waiting to disburse it. Plus—don't forget our camping equipment rental and voter registration services.

—Alan Silverstein

Your BOD at Work

October 30, 1975

The meeting was called to order at 7:30 p.m. by Backus in the presence of Teich, Atwater, Snyder, Fisher, Wheeler, Kaler, and eventually Sun.

2. After considering the last election, it was decided to interview the Senior V.P. candidates and appoint one of them to the position.

3. Backus read a letter he had written to the Athenaeum in favor of their admitting undergrads as members. Everyone

seemed to think that it was pretty neat, and after a lot of useless conversation, we considered

4. a letter from Mr. Gilmore concerning the coffeehouse. His major concern was that it be kept clean and odor free and that managers only be allowed to live on the second floor. (or the first, for that matter). Backus signed it and sent it back.

5. The BOD decided to let Feldman worry about letting the

Saturday Science kiddies use the Student Darkroom.

6. Wheeler volunteered, believe it or not, to be in charge of the placement of students in tutoring jobs.

7. The BOD asked for a Treasurer's report during the next meeting, and Synder gave a report on the ESC budget (\$350—party, \$60—beer).

8. Massive movement to adjourn. 8:30 p.m.

—Eric Kaler



The gravity-defying L.A. Mime Company will perform on campus next Friday.

Tau Beta Pi Meat

The 70th national Convention of the Tau Beta Pi Association was held at the University of Cincinnati October 16-18, 1975. Tau Beta Pi is the national engineering honor society, now with 172 collegiate chapters, 47 chartered alumnus chapters, and an initiated membership of over 190,000. Students in the field of engineering are elected to membership by the collegiate chapters from the top 20%, scholastically, of their classes on the basis of character. Graduate engineers may be elected on the basis of their eminent achievements in the engineering profession.

Arrangements for the 1975 Convention were made by a committee of student members and faculty advisors of the Ohio Beta chapter at the University of

Cincinnati, under the leadership of James H. Shellhaas and Arthur C. Illing, engineering seniors. Jeff Sanders, a member of the California Beta chapter (Caltech's entry), went to the 1975 convention as a delegate.

The collegiate chapters were represented by delegates from 168 of America's leading engineering schools. Also in attendance were the Association's national officers, faculty members from a number of institutions, and representatives of several Tau Beta Pi alumnus groups. Mr. R.C. "Red" Matthews, Tau Beta Pi's beloved Secretary-Treasurer Emeritus who will be 97 this December, attended his 62nd consecutive Tau Beta Pi national meeting.

MONTY'S

SURREALISTS

Tonight at 7:30 and 9:30, the ASCIT movie, *And Now For Something Completely Different*, will be shown in Baxter Lecture Hall, with fifty cents the admission for ASCIT members and guests, and one dollar for non-Techers. Next Wednesday night at 7:30, the Art 101 films to be screened are *The Crazy Ray* and *Entr'acte*. Cinematech trolls are taking a vacation; the next Cinematech night, a Marx Brothers triple feature, shall be on November 22, well after midterms.

And Now For Something Completely Different is a bizarre montage of the humor of Monty Python; it is the most recent Monty Python film production before *The Holy Grail*, which was being screened down in Westwood recently. Monty Python is a sort of lunatic British humor group which may be described, perhaps, as an import analogue to our domestic Firesign Theater. Their humor is broadly based in the comedic tradition of physical slapstick and rapidfire visual or wordplay gags, with a heavy British accent of satire, as if from the influence of *Punch*. There's money in comedy. I am told that KCET is broadcasting a series of the same name, consisting of excerpts of old Monty Python material. Phenomena such as this would not likely attain a popular television audience base in the days before *Rowan and Martin's*

Laugh-In primed the national audience for flash sequences and episodes of wild and weird humor. Monty Python's material seems to be unsophisticated burlesque compared to the Firesign Theater (who have no equal), yet this has its appeal. Snakes and trolls among us should find comic relief a dröll escape from studies. So come up to Baxter tonight and get amused. ASCIT will need the audience; at a couple hundred bucks, this is a bloody expensive flick.

The Crazy Ray (or, *Paris Qui Dort*, 1923) is a silent classic; a filmic fantasy of the Surrealistic school in France, it was the first film directed by Rene Clair, made when he was a mere twenty-five years old, not much younger than the cinema itself. The Surrealists were experimenting with nascent techniques for the filmic expression of thought; the cinema seemed to be a superlative vehicle for visual communication by movement, by absurdism, and by free thought-association a la Freud. The film technicians found *The Crazy Ray* an opportunity to play around with trick photography. It's a short film, the plot (as such) is simple: a mad professor creates an invisible ray which freezes time throughout Paris except for the top of the Eiffel Tower, from whence a few tourists descend to discover a city which

has gotten stuck in time. To free the other Parisians from this suspended animation, all concerned must become unstuck in time, thus anticipating Billy Pilgrim by a few decades. A good early anti-technological effort.

Entr'acte (1924), as its title suggests, was commissioned by the Ballet Suedois de Rolf Mare to be shown as the intermission to the ballet *Relache* (meaning, "Performance Canceled") by Francis Picabia, who also wrote the film scenario. Directed by Rene Clair, the film is actually a teamwork project put out by Dadaists. The Dada movement predated Surrealism. Again, the emphasis of the work is on the creation of a surrealistic impression by visual association and dreamlike repetition of hallucinatory images. Indeed, *Entr'acte* is quite a trippy film; the Dada artists exploit the camera to produce crazy superpositions of inanimate objects and living forms, with heavy dream symbolism. It is a landmark Dada film, a key representative of a form of expression vital to the development of the European cinema (why else would it be shown for Art 101?), it is moreover surprisingly amusing even to modern viewers (Cinematech screened it a few summers back, with favorable response), and best of all, it's free of charge.

—Lewis Hashimoto

Impeach the Rock

What to do with The Rock. Just how do you recycle a scenic maximum security prison? What is a fitting future for Alcatraz now that the last prisoners have been removed, and the protesting Indians have been dragged off? A proposal has been made to have it house the Nixon Memorial Library.

Marc Appleton and Brad Neal of Los Angeles suggested Alcatraz as the site of the Nixon Library to *COAST* Magazine, winning their "What to do with The Rock (Alcatraz) Contest."

An historic structure, Alcatraz could be easily renovated to house the library and tourist conveniences at less cost than building a new Nixon Library.

The Rock is also unparalleled in security, Appleton and Neal say. "Its sturdy walls are designed to withstand decades of abuse, secure against attack from without or escape from within. A fitting sanctuary for an administration which in its own time was fraught with problems of security, leaked information, and pilferage of secret files.

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from the cerebrum

by Richard O. Ackermann

Some time ago, *Freedom House*, a nonpartisan political-education organization based in Manhattan, issued a summary of the political state of the world's 3.3 billion people. As measured by the health of their courts, press and other institutions, 1,029,910,000 people are "free" (in the Western States and Japan, among others), while another 720,630,000 are "partly free". But fully 1,583,551,000 people — nearly one half the world's population — "suffer severe political and civil deprivation."

Because many countries of the world are politically unstable or, for some reason or other, very vulnerable to criticism, they feel obliged to narrow political freedom within their national boundaries to a minimum. Because these countries cannot support

any dissidence whatsoever, they have many political prisoners, so-called prisoners of conscience. Usually, these people are subjected to many years in jail, without ever having the chance to speak up before an official tribunal. Often, they are tortured in the most brutal ways.

Nations that have political prisoners often would like to prove to the rest of the world that their system works. The Soviet Union, for instance, would like to prove that the Communist system is superior to the capitalist one. The price? Roughly 1.5 million political prisoners. Of course, in east-bloc countries, so-called "formal" freedoms are often said to have no revolutionary utility. If these freedoms are of such little account, however, one wonders why governments are so afraid of them, and why censorship and police states are so commonplace.

Other examples are most South American states — Argentine, Brazil, Chile — countries that would like to demonstrate to a somewhat unbelieving world that their economies, in fact, are not as bad as they seem, and that investments in their countries will pay off. The price: thousands of political prisoners, and widespread use of torture.

Yet other examples of unfree states are many Southeast-Asian nations (Indonesia, Malaysia), many African states (Uganda is an obvious case) and last but not least, Spain.

In all these countries, people are imprisoned only because they think differently. It is known that the overwhelming majority of detainees have never committed or even advocated violence. Their countries trust that the world will forget the same way as it has forgotten most atrocities that were committed even in the recent past. And so the system works...

But of course, there is no excuse for forgetting. Not being restricted ourselves, we carry the responsibility to take some action. The most effective thing to do is to let the administrations in power know that the events in their respective countries are not passing unnoticed. To do this, one can find many ways: For instance, a London based neutral organization called *Amnesty International* has set up a competent research secretariat that

gathers detailed information on political prisoners. The material is then sent on to small groups in over fifty countries. Usually, each group is assigned three detainees (one in the 'West', one in the 'East', and one in the Third World), whom they have to try to get free by writing polite letters to various government officials. The results are comparatively encouraging: each year, over 1000 adopted cases can be resolved.

Among the members of *Amnesty International* we find such personalities as Peace Prize winner Sean McBride, and former U.S. Attorney General Ramsey Clark.

The most obvious basis for any work in a field such as this is the *Universal Declaration of Human Rights* which was adopted by the General Assembly of the United Nations in 1948 (Res. 217(III), 10 Dec.). In its thirty articles the Declaration sets forth the basic rights and fundamental freedoms to which all men and women everywhere are entitled, without any distinction as to race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status. Of the two broad categories of rights and freedoms thus set forth, we would like to mention the first:

It covers the right to life, liberty and security of persons, freedom from slavery and servitude, freedom from torture or

cruel, inhuman or degrading treatment or punishment, freedom from arbitrary arrest and detention, the right to a fair trial by an independent and impartial tribunal, the right to be presumed innocent until proved guilty, inviolability of the privacy and secrecy of correspondence, freedom of movement and residence, the right to seek and enjoy asylum from persecution, the right to a nationality, the right to marry and found a family, the right to own property, freedom of thoughts, conscience and religion, freedom of opinion and expression, freedom of peaceful assembly and association, the right to vote and to participate in government.

Almost all nations have signed the Declaration, and it has become a significant element in international law.

It is our opinion that, given the facts, it is our responsibility to take some action. This does by no means imply that we must get involved in the politics of other countries. It is not ideologies we want to fight or, for that matter, fight for, as this would make matters worse. All that counts is the individual. And if we know that individuals are not free for reasons contradictory to the *Universal Declaration of Human Rights*, we are obliged to realize our freedom and to be solidaric with the unfree.

Truly, this can be the only realistic approach to a better world.

Quaint Tradition

by Greenie

Right, right my little droogies... Ripe for a bit of the old ultraviolence?

Stanley Kubrick's vision of a world devoured by the violence of its society is fascinating, frightening, and eye-opening. A little farfetched, one might be tempted to think. However, as *Newsweek Magazine* stated in

1973, *Clockwork Orange* is no mere fantasy of a far-flung future: conditions close to that nightmare exist now.

Consider the U.S. crime rate: the incidence of murders, rapes, armed robberies and aggravated assaults has risen to such dizzying heights in the last decade that a virtual reign of terror hangs over troubled inner districts like a fog. Two fires in Los Angeles in the last year claimed the lives of people trapped inside by the iron grills over their windows. Handguns proliferate at a terrifying rate. Burglar detection system installations and guard dog sales have increased dramatically along with the crime wave. Is *Clockwork Orange* really so far away for us? Is it possible that it *can* happen here?

American society is one that breeds violence. Sociologists tell us that aggression-inducing frus-

tration is most likely to be set off by relative deprivation, rather than deprivation itself. Racial tensions, economic tensions, the rising tenor and hysteria of the clamorings for change... all these contribute to a general pent-up desire to wreak havoc upon some convenient object.

Consider our politicians: the Spanish-American War was fought for our manifest destiny. World War One was fought to save the world for democracy. Vietnamese escalation was necessary to save face. And to Richard Nixon, self-proclaimed peace candidate, "peace with honor" had claims paramount over those of peace. Our politicians exemplify our national tendency to clothe acts of violence, some of them almost naked acts of aggression with the pretty garments of prolix noble-sounding justifications. Our politicians are the slaves of and perhaps the chief perpetrators of our national obsession with victory: neither Johnson nor Nixon wanted to "be the first U.S. president to

lose a war." Even in the realm of economics, Nixon agonized for months over being the first U.S. president to devalue the almighty dollar. The race for space was just that: if we were first, we would win. Such a hatred and shame of losing at anything causes those who feel they have lost, especially if they feel it was unfair, to lash back at the society they cannot beat.

Nor do things look better for the future. Today's child sees an average of 10,000 murders on the tube before age sixteen. The books, television programs, and movies he sees grow ever more gory, with less and less feel for the sacredness of human life. How soon will some Chinese politician excuse some atrocity on the basis that "life is cheap" in the Occident?

But not all is without hope. There is a growing backlash against such things in our society. Each political murder (or, as with Ford, attempted murder) swells the ranks of those calling for effective gun control. Each round of crime escalation finds not only more calling for more repression, but more concerned citizens demanding that the sociological roots of the problems be ferreted out and solved. Ideas are pouring in on

how to reduce the violent tendency of American society through the media, through education, through governmental reorganization, even through architecture.

Positive actions are not always organized---individuals have sought change through specific suggestions to public officials, ombudsmen, even through corporation officials. As a stimulation for all would-be reformers, the following gem is offered.

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The Genesis of the The Lesser Big 'T'

According to Anonymous Undergrad, as translated by Random Techtroll:

In the Beginning, there was only the Greater Big 'T' inscribed upon the face of the earth, half a mile above the fair metropolis of Pasadena. This was, and verily, still is, the most huge of all 'T's ever, being four hundred feet (265 cubits) on a side, and visible daily before the invention of Smog. It was brought into existence mysteriously in the dimly-lit years of Prehistory, somewhere between the Dawn of Man and 1921 A.D.

But lo, the U.S. Forest Service in its infinite wisdom did decree that such a massive Symbol was by its presence an "eyesore" and a danger to the ecology of the hillside" on which it is Carved. And they did say that it should not be recleared evermore, but rather be allowed to be fallow, and regrow into non-existence.

The larger portion of the Descendants of the Creators of the Greater Big 'T' were overcome by apathy, and cared not. In some few, however, sparked till the Spirit of their Predecessors, and they thought to take some nature of action, not excessively impractical, to repair the situation:

On the first day, which was in July, 1972, a Photograph was taken of the Campus at a point a mile above it. This captured image was displayed at locations around the Institute, in the offices of its Leaders.

On the second day, which was in 1974, certain Nameless Undergrads did notice on this photo a

peculiar black circle of the same radius as the Auditorium Beckman, only a half-mile South-Easterly from it. Upon inspection it was discovered to be the flat, tar-covered roof of a water-storage tank, one-hundred eighty feet across. In the minds of the Undergrads, this circle became a huge Canvas, awaiting the roller-strokes of determined Artists.

On the third day, which was a month ago, a holy-all-knowing Computer was asked to draw with precision the perfect shape

of 'T' for the roof.

On the fourth day, which was somewhat after the third day, the Computer did finally reply, in debugged Fashion, "It shall be a 'T' one-hundred feet on a side, with bars eighteen feet across, and cover thirty-six-hundred square feet, and ye shall prescribe sixteen corner points as follows..."

On the fifth day, which was last week, four of those Nameless Undergrads did prescribe those points on the awaiting Canvas, using the well-known Principles

of Geometry, and a very long tape measure. All was now in readiness for the final Act.

On the sixth day, which was the day after the fifth day, in the dark of night, six Undergrads accomplished the Holy Deed in the space of but two hours time. Moving quickly, dressed in dark clothing, obeying the Rule of Absolute Silence, and armed with two Rollers and other Implements of Destruction, they covered the 'T' solid with eight gallons of white paint. And then it was Done, and they cleaned

up, and got the Hell out.

On the seventh day, which followed on the heels of the sixth day, the Creators rested from their labors at the Coffee-house, until it closed.

And they returned the next day, to view the new Lesser Big 'T', and saw that it was good, and that it would stand as a beacon of purity, diligence, virginity, and ungodliness to anyone flying over Pasadena less than two miles high, and to the satellite angels of JPL, Washington, and Moscow beyond.

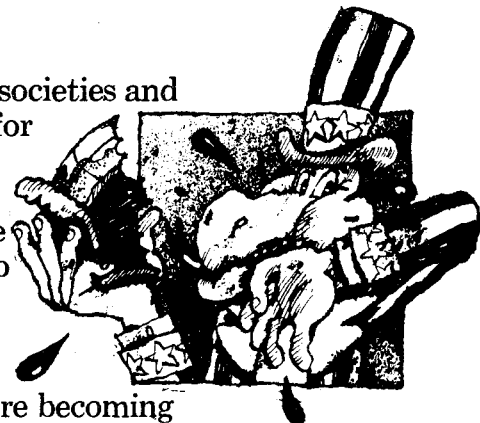
WE CAN'T GROW ON LIKE THIS.

We've always operated on the assumption that bigger is better. But is it?



Like the dinosaurs, societies and economies can grow too big for their own good.

America is fast approaching that point. The natural resources we need to live — clean air, water, land fuels, metals — are getting scarcer. Some are on the verge of extinction. Others are becoming prohibitively expensive.



At the same time we're wasting tremendous amounts of these precious resources. And our wastes pollute our communities, our nation, our world.

We need to learn to use our resources efficiently and economically and to share them better so that everyone gets a piece of the pie.

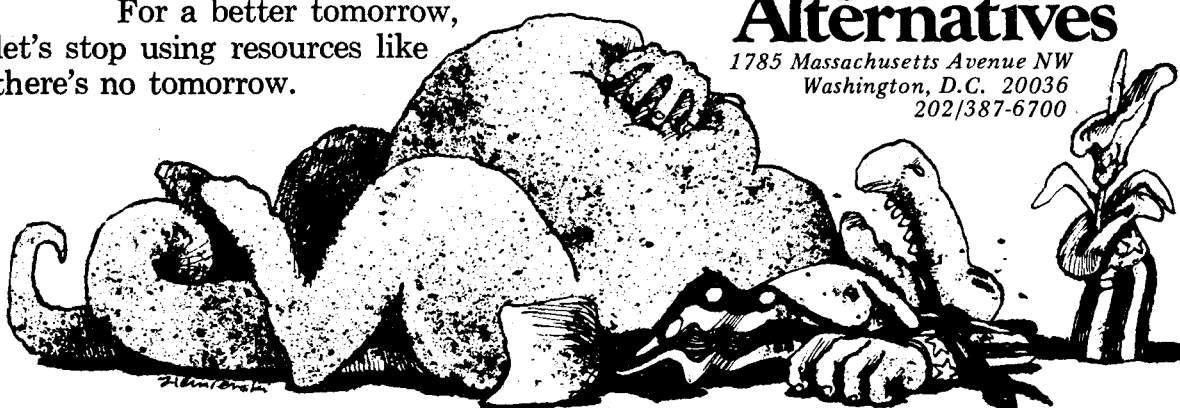
We need to conserve the raw materials that jobs depend on, because if we deplete our resources now, things will be that much tougher later.

We need to put people to work *doing* things instead of just making things. The things we *do* make have to save resources instead of wasting them. We can build mass transit instead of freeways, rebuild our cities instead of spawning new suburban sprawl, put people to work cleaning up our environment instead of despoiling it. Harsh prescriptions? Maybe. But ones that will assure a more prosperous future.

For a better tomorrow, let's stop using resources like there's no tomorrow.

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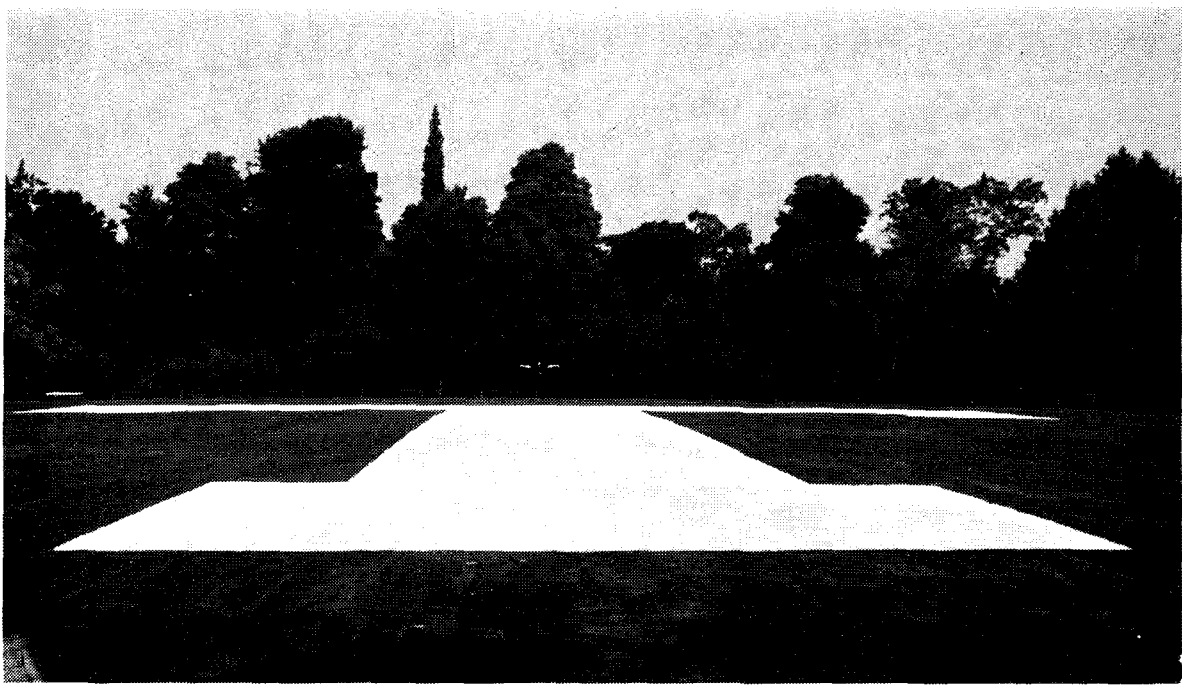
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AMERICAN CANCER SOCIETY

This space contributed by the publisher.



"I've never waved a 747 off before!"

Photo by Chris Wheeler

Jamaica Jerkoff

On December 20, 1975, the annual Mid-Year Break will become known as Annual College Week in Jamaica. The Jamaica Tourist Board and the College Marketing Research Corporation (a subsidiary of Playboy Enterprises, Inc.) have agreed that a vacation in an exotic foreign country need not be intellectually bland, financially depressing, or emotionally wasteful. In fact, the theme of College Week in Jamaica is "Travel can be more than just a Trip."

The three week-long sessions will be held in the beautiful, tropical mid-north-coast settlement of Ocho Rios and the curriculum includes Sand Seminars, Open-air Rap Groups, Moonlight Mixers, Beach Carnivals and Feasts. There will even be a daily newspaper. The magic key to all of it is a special ID card available through the campus travel center or cooperating travel agents. The card is non-transferable and is a ticket of admission to all activities

except the after-dark feast, and that is offered at half price to card holders. Cost of the card itself is a bargain \$10.

Ocho Rios hotels are mostly on the beach, so it should be simple to make the Seminars in the Sand, whether you elect the esoterics of Numerology and Astrology, the techniques of Meditation, Chanting, I-Ching, Hatha Yoga, Shiatsu or the communicatory mysteries of Tarot, Graphology and Massage.

The daily Open Air Rap groups will have a format of non-sexist, non-role-playing socializing with a wide range of pertinent topics. Daytime Beach Carnivals will include everything from kite flying to talent showcases, crab racing and other appropriate contests for beach life.

After-sunset activities — or Moonlight Mixers — feature rum-punch parties, miami mixers (a late-40's Japanese tradition), Reggae, the Soul beat of Jamaica, limbo and other enter-

tainments. The Beach Feasts will be a lucullan spread of appetizers, Jamaican soups, roast suckling pig, Jamaican barbecue chicken or steak, Jamaican rice-and-peas, salads, hard-dough bread and tropical fruits and desserts.

For information on air and hotel package rates for College Week, check with your travel agent or the campus desk. If you want to hone your talents in any of the above subjects as a lecturer or performer, contact College Week — HQ, Playboy Enterprises, 747 Third Avenue, New York, New York 10017 (212-688-3030). And if you have already made plans to spend time between December 20 and January 10 somewhere else in Jamaica, you can still take in College Week at Ocho Rios by purchasing an ID card and asking for a transfer.

Incidentally, the average temperature in Ocho Rios during College Week is 78-80 Fahrenheit.

FOOD RIOT

The Food Riot, a social gathering peculiar to certain technical schools in the United States, derives from the more conventional *Bon Voyage* or *Going Away* party.

This function is intended to provide a gentle farewell for members of student housing kitchen staffs. It thus combines joyful commemoration with a unique opportunity for improving the local cuisine.

If invited as a guest you might want to take, as an appropriate hostess gift, cases of soft fruit, eggs, or other foodstuffs suitable for throwing. Although informal attire is the general rule, formal place settings and fingerbowls should be provided.

After the guests have been led into the banquet hall, seated and served, a short invocation may be delivered. This is followed by the ritual *inversion of vessels*. Each member of the company present,

in the order of his social rank, upsets his plate and allows the contents to spread evenly over the table top.

This having been accomplished, affairs proceed at the individual discretions of the participants. It is considered a point of form, however, to aim more at the walls and ceilings than at the floor, since the loose foodstuffs may impair footing. If soup is served, it should be thrown by the ladle-full. Casting soup by the tureen, although a mark of social grace, requires much practice to perfect. Beginners should content themselves with hurling small portions of the entree and an occasional side-dish. If you desire a dish at the far end of the table, you should ask that it be passed. If you reach for it, you may disrupt the aim of your table-mates. Paper napkins, if wadded and saturated with iced tea,

become ideal projectiles. Heavily buttered dinner rolls are also very good. Let your imagination run wild.

A complete treatment of the proper approaches to beverages would require several pages. While there are several schools of thought on this subject, most experts agree that iced tea, coffee, milk, and chocolate should be cast by the glassful. Iced water, being more plentiful, may be thrown from the pitcher by friends of the family.

The throwing of heavy silverware, glasses or goblets, although traditional, is considered gauche by moderns.

The move from the banquet hall is signalled by the upset of entire tables. As an optional part of the ceremony, members of the waiting staff may receive ritual ablutions at this point.

This fascinating and little understood observance is ended

HUGO Awards

The Dispossessed, Ursula K. Le Guin's story of two worlds, received the Hugo for best novel of 1974 at the World Science Fiction Convention held three months ago in Australia. The novel is the second by LeGuin to win both the Hugo and Nebula awards; *The Left Hand of Darkness* accomplished the same feat as the best novel of 1969.

Harlan Ellison became the first author to garner six Hugos by winning the best novelette category with "Adrift Just Off the Islets of Langerhans." George R. R. Martin's "A Song for Lya" won as best novella.

LeGuin's novel was the only duplicate winner this year among the major awards. Her short story "The Day Before the Revolution" also won a Nebula, but the Hugo went to Larry Niven for "The Hole Man"—his fourth.

The Mel Brooks comedy, *Young Frankenstein*, won as best dramatic presentation. Ben Bova was voted best professional editor for the third straight year, and Kelly Freas best professional artist for the fourth.

In the fan categories, best fanzine went to *The Alien Critic* (now, for legal reasons, *SF Review*). Its editor, Richard E. Geis, won as best fan writer. The best fan artist award went to Bill Rotsler, also a photographer and author.

Two special awards were also presented at Aussiecon. Fritz Leiber received the Grand Master of Fantasy (Gandalf) award. The John W. Campbell Award for best new writer went to P.J. Plauger.

The ranking of runner-ups was not announced.

More on Conventions

Due to time and space limitations, I did not mention supporting memberships in the last column. These memberships are for the purpose of helping the convention financially. In return, the member receives the publications—progress reports and program book—of the con, plus the option of converting to an attending membership at a later time.

Its advantages work both ways. It allows fans to support a con that they may not be attending, because of distance or other complications. On the other side, the fan can keep

informed of the con planning and decide whether or not to attend at a later date.

In addition to getting publications, supporting members also receive voting rights. A supporting membership in a Worldcon allows you to nominate and vote for the Hugo awards. Future sites of annual convention are selected by vote of both the attending and supporting members (usually the voters must also join the convention being voted on).

For example, by joining both MidAmeriCon and the 36th Worldcon, you may vote for the latter's location. If Kansas City and Orlando, Florida have sounded too far away, this is of special interest; the 36th Worldcon (Labor Day weekend, 1978) will be in the western zone of North America, and L.A. is a strong contender.

Westercon sites are chosen the same way—the location of the 1978 Westercon will be selected at Westercon 29 next July.

See the October 24 issue of the *Tech* for locations, dates, and mailing addresses of these conventions. Supporting rates are:

Equicon/Filmcon... \$6
Westercon 29... \$3
MidAmeriCon... \$5 through Dec. 31; \$6 after
Westercon 30... none announced
Suncon... \$5 through March 30, 1976; ?? after

Announcements and Such

Forthcoming: Articles and fiction by Larry Niven and Jerry Pournelle referring to their novel *The Mote in God's Eye* will appear in the November *Galaxy*. The same magazine will also be serializing *The Hand of Oberon* (date as yet unannounced), the fourth Amber novel, by Roger Zelazny.

Arthur Clarke's new novel, *Imperial Earth*, has already been published in England. U.S. publication is slated for January.

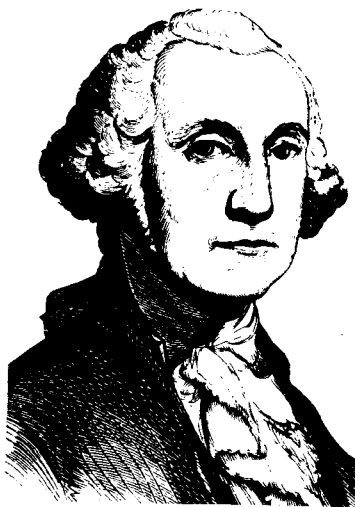
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—Gavin Claypool

Become Interned

If anyone is interested in the details regarding the 1976-77 California State Senate Internship Program, please come to the Placement Office Information Center, Rm. 10 Dabney. We have a sample of the application and the necessary address if you wish to apply. The deadline for submitting completed applications is February 12, 1976.

with a solemn procession by torchlights as offerings are conveyed to the offices and places of business of the responsible parties. Excerpted from *Em*ly P*st's On Etiquette, 69th Edition*.



Bicentennial Corner



Seeger on Strings

Techer After Dark

Continued from Page Three

Pasadena Filmforum presents Truffaut's *Les Mistons* and James Broughton's *This Is It*, Saturday from 8-10 p.m. Admission is free and refreshments will be served. 180 E. Mendocino in Altadena.

The Effects of Gamma Rays On Man-In-the-Moon Marigolds opens at the Cast Theatre, 804 El Centro in Hollywood on Thursday. Performances will be on Thursdays, Fridays, and Saturdays through December 20. Call 462-0265.

Roto Rooter and Peter Alsop at the Ice House through Sunday. Caldera, a Latin jazz-rock group performs Monday night only. Tuesday brings Denny Brooks, Jay Leno, and Nancy Nevins. Call MU1-9942. Admission is \$1.50.

Cary Lu will discuss "The Contribution of Progressive Myopia to the Rise of Impressionism: Visual Problems in the History of Art" Monday at 8 p.m. in Beckman. Admission is free.

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Sorry Leslie!

by L.C.A.

The soccer team's hopes for a .500 season dwindled last week, as they narrowly lost both of their games. They went on safari to Redlands on Wednesday, and eventually all arrived prepared to dispatch their foes. The defense weakened in the first half however, and with numerous opportunities Redlands took a 3-0 lead. This seemed to finally wake up Tech, and the team that played the second half was the team we're used to seeing. About midway into the second half the Redlands team found it's lead shaved to 3-1. Within ten minutes, Loch Han brought Tech to within one. Tech kept the pressure on, but couldn't manage

to put another one in, and so lost 3-2. Leslie Peterson had an assist on the second goal, and for her excellent pass is awarded you-know-what.

Saturday was an entirely different story. Our heroes wandered out to Whittier, the defense determined to make up for Wednesday's debacle. They did so, as both teams battled to a scoreless tie in the first half, although the Tech goalie did have a little too much work for comfort. Unfortunately, the Whittier defense was being just as tight, and the forward line could not break through. Near the start of the second half, a Whittier fullback committed a

blatant foul as Joel Okazaki was streaking for the goal, and on the ensuing penalty kick Jim Hickey did his usual job, putting Tech in the lead 1-0. Thus did the score remain until shortly before the end, when Whittier scored on a rebound shot. The game ended with the score tied, and under the league rules the teams prepared to play two ten minute overtime periods. Near the end of the first period, Tech was called for a penalty, and the Whittier just put it past the diving Lee Aydelotte. The Tech offense still couldn't get untracked, and Whittier scored another in the second overtime to put it away, 3-1.

Cross Country's Climactic Conclusion

by Sivertsen

Last weekend marked the close of Caltech's cross country season with the conference meet, held this year at Pomona-Pitzer.

Caltech placed fifth in the conference, having fallen off from a strong start at the beginning of the season. Top finisher for Caltech was junior Steve Kellogg in fourteenth place with a time of 24:43. Steve's consistency has been the major source of strength in this year's team. The times for the rest of the varsity fell off from previous performances, with Rob Bourret taking twenty-second in a time of 25:48. The other varsity

runners were fairly well clustered, with Vic Manzella 29th in a time of 28:05; Dave Wheeler 32nd in 28:57; Karl Rutz 33rd in 28:41; and Larry Doolittle 34th in 29:19.

The individual winner of the meet was Armstrong of Pomona-Pitzer in 22:10. Armstrong was followed by three Occidental runners, who led Oxy to another conference championship. Oxy finished with 24 points for first, Pomona Pitzer with 54, Claremont-Mudd with 67, Redlands with 117, Caltech fifth with 130, Whittier with 138, and La Verne with no score as their fifth runner did not finish.

The NAIA District III Championships will be held at Biola this coming Saturday at 11:00 a.m. Competing for Caltech will be Steve Kellogg. Good Luck Steve.

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The Dabney Lounge Chamber Music Concert this Sunday features Kimball Wheeler, mezzo soprano, and Louis Goldstein, piano. 8 p.m. and it is free.

Saturday, the Virtuoso Consort performs Baroque and Renaissance Music dating from 1300 thru 1805. Ramo at 8 p.m. Students, \$4.00.

Pete Seeger comes to Beckman Thursday at 8 p.m. CIT students \$2.25, other students \$4.00.

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