

General People

**Priscilla
Opens up
OPE**

by Ed Suranyi

"Next year will be a good season of public events," said Priscilla J. Johnson, the new Promotion and Publicity coordinator in the Caltech Office of Public Events. "There will be some series [of lectures], and an intensive campaign to promote events."

Ms. Johnson, who took over the job on March 2, is responsible for all facets of event promotion. She puts ads in all the appropriate newspapers in the L.A. area, tries to have radio and television stations plug the events, and makes the posters and flyers often seen about campus. She must budget these efforts and keep detailed files on all upcoming events. She also sends mail to people on "all kinds of mailing lists."

For example, for tomorrow night's event, the Odessa Balalaikas, Ms. Johnson had a file half-an-inch thick, full of various proposals for advertising, messages from people all across Los Angeles, and mailers that were mailed to many Slavic organizations, including professors teaching courses in Slavic languages in universities around town.

An important responsibility Ms. Johnson has is to meet the critics who come to the shows. "It's very important for me to get to know as many people in the community as possible," she says. She works long hours (8 am to 7 pm most days; she stays until 11 pm on days when events occur). She hopes to eventually be the person who actually greets the performers, since "that's the fun part."

Ms. Johnson comes to Caltech from the Claremont Colleges Center for the Performing Arts, where she was Publicist and Administrative Assistant. At Claremont, her job was similar to what it is now, but she had more of a role in making up programs. There were many arts majors at Claremont, so she finds it an interesting challenge to work on artistic events in a technical college.

Claremont College was quite isolated from the artistic world, whereas Caltech is right in the L.A. community. This means Ms. Johnson must meet many more people than she had to before. It also presents problems due to the proximity of Caltech to other auditoriums, notably the Ambassador Auditorium in the college of the same name. Most contracts have clauses in their contracts that state that the act can't appear at another location within 50 miles of their first appearance for six months. Other places have



Goalie Brian Fitzsimmons smothers the puck after blocking a shot. Doug Rothnie (12) also lends a hand by flattening a Trojan opponent. See sports section for details.

more money for the events than Caltech does (especially Ambassador Auditorium, which has an "unlimited budget") so they get the best acts before Caltech does.

Ms. Johnson hasn't been at Caltech long enough to really know how students react to various events, but she hopes to get to know them very well soon, which she says will help her do on-campus publicity better. At Claremont she developed student internships, in which a student could get credit for working with Ms. Johnson on events. She also started a season ticket program for students. Both of these were very successful, so she says she might try the same things here.

"Many students here don't even know about the special rates they can get," Ms. Johnson said. She explained that students can get special deals on most Caltech public event tickets. "Many don't know about student rush prices," she continued. On the day of a show (Friday if the show occurs on a weekend), students can buy tickets for the show for only \$3.00 in most cases! She wants to promote these bargains heavily in the on-campus advertising.

"If I didn't have Cara Stemen [Promotion Associate] with me, I'd die," Ms. Johnson added, talking about the staff in the Office of Public Events. Jerry Willis, the head of the Office, is "very prominent in the performing arts," she continued, "he is often involved with the NEA [National Endowment for the Arts] in Washington. Craig Gardner also works in the office; he often helps put up posters."

Ms. Johnson has some new ideas for promotion that she wants to put into effect. For example, she wants to set up a program whereby students

**CONTINUED
ON PAGE 4**

**Living in
the Projetes**

Do you have lots of free time? Do you want to do something good for the Caltech community? If so, then Tau Beta Pi has some projects for you. We are forming committees to discuss and/or carry out the following projects:

1) Tutoring upper level courses. Sunney Chan has asked us to tutor some upper division courses such as AMa 95 and Ch 21. If you want to help, call Forrest Quinn at 796-8250.

2) Awarding Non-public Scholarships. Because the Reagan administration is drastically reducing public aid to students, we feel students need private money. We will contact likely individuals and corporations and ask (beg) them for scholarship money. If they want, we will help distribute the money. If you want to help, call Eric Chang at 578-9414.

3) Graduate School Report (TQFR style). The world is full of information on undergraduate schools, but rather lacking in information on graduate schools. This committee wants to publish a TQFR style report on graduate schools that Techers commonly attend. We particularly want help from people who helped write the real TQFR. If you want to help, call Cecilia Rodriguez at 578-9952.

4) Seminar Presentations. IBM has asked us to help them give a seminar. They promised to provide beer and pizza. If you want to help, call Bill Naylor at 356-9208.

If you have any general questions about Tau Beta Pi and its projects, call any of the current or outgoing officers. The new officers are: Presi-

dent, Bill Naylor, 356-9208; Vice-president, Forrest Quinn, 796-8250; Secretary, John Loveall, 339-6468; Treasurer, Eric Chang, 578-9414. The outgoing officers are: President, Jeff Chen, x6553 or 254-7062; Vice-president, Dan Pernich, 578-9294; Secretary, Jeffrey Derby, 578-9696 or 796-7817; Treasurer, John Hershberger, 578-9166.

One mo' time

**TBP
Conference**

On Saturday, April 4th, the California Beta chapter of Tau Beta Pi will participate with the thirteen other local collegiate chapters in the annual Southern California Area Council Conference. This Conference will be held at C.F. Braun in Alhambra. The theme of the conference is: "Responsibility to Society; The Engineer's Outlook." The day's activities will include a luncheon hosted by C.F. Braun, a tour of their facilities, and two sessions of workshops. The workshops will address such topics as Energy Alternatives, Engineering Education, Specialization in the Profession, Engineering and the Entertainment Industry, and Engineering and the Cosmos. Our own California Beta chapter will be hosting a ses-

**CONTINUED
ON PAGE 5**

Baxart III

**Anti-
static
Exhibit**

A totally new concept in art exhibitions is behind the coming presentation at Caltech's Baxter Art Gallery. Entitled "Anti-Static," the exhibition will feature the work of ten southern California painters, photographers, and sculptors. For three months, April 1 through June 28, the artworks will "move" about the gallery in a series of seven installations in which the relationships of the artworks to each other and to the space they are in changes.

Participating in the exhibition are Dan Douke, Mark Lee, Nancy Monk, Gifford Myers, and Jay Willis—artists who live in and around Pasadena. Also participating are Lita Albuquerque, of Venice; Jo Ann Callis of Culver City; Ned Evans of downtown Los Angeles; Jay McCafferty of San Pedro; and Connie Zehr of Fullerton.

In separate installations, the artists will exhibit the same artworks in at least two different locations in the gallery and in the company of different artists' work; and each artist will present at least two different bodies of work.

For instance, Lita Albuquerque, who just completed an installation at the Joseph Hirshhorn Museum in Washington D.C., will create a vast sculptural installation in Baxter's north, sunlit gallery from April 7 through May 3. At other times she will present wall-oriented drawings or paintings.

In one installation Jo Ann Callis will present color photographs included in this year's Whitney Museum of American Art Biennial Exhibition, and in another installation she will show more recent black and white photographs. And sculptor Gifford Myers will exhibit surreal cups, as well as tiny, wall mounted houses, recently featured in *New West* magazine.

In the seven total presentations, all ten artists will be represented only at the opening and closing installations. In between, each artist will participate in three of the five installations. The number of artists and combinations will vary according to a prearranged schedule.

According to Baxter Art

**CONTINUED
ON PAGE 7**

NOTICE!

If you took the memory seminar given in Winnett Center last November 1, please call Theresa at x6157. We need your help.

Photo by G.R.M. Cracker

EDITORIALS (and other such lies)

"In the long run, we will all be dead."
—Bertrand Russell

"It's time for the American people to get angry and do something," commented Maureen Reagan about her father's shooting. We at the *Tech* agree.

So what must be done? Studies have shown that rats crowded in a laboratory cage will eliminate the overpopulation by the elimination of the weak and unlucky. Today's human society mirrors that situation; there are just too many humans on the earth for comfort—over four and a quarter billion people crowded on some 50.2 million square miles of surface, most living in poverty and decrepit conditions.

There are two alternatives to remedy this situation: One, the people, through the organ of the government, could try to ease the problem through increased spending on social welfare (feeding the hungry, clothing the naked, visiting the sick and indigent) and aiding third world nations through non-military channels, both in money and advice. Or two, which we prefer due to its simplicity and ease, is to create a new game called "Protector" (from the book of the same name by Larry Niven, about a not-so-alien species who used to practice this game). Protector's rules are simple: unrestricted destruction of members of the human race not in one's clan. Admittedly, the game will not be easy to organize, but we are well on the way in laying out the groundwork. However, much more work is needed, if the game is to be played properly. Remember, it's not just our project.

Consider the national level. Nuclear proliferation is aiding the task of organization immensely. There are many members in the nuclear club and several more are gaining admittance. The only possible roadblock to this facet of Protector, worldwide cooperation leading to perhaps an effective world police force, has been cleverly shunted aside through

THE CALTECH Y fly-by

Today, Friday, April 3, begins a new NOON CONCERT series for The Caltech Y. The new host for the Noon Concerts will be the world renowned celebrity, Le Beau-Beau. Le Beau-Beau (pronounced ler bo bo) will be following the steps of Pretty Pat, that remarkable human being who brought joy and happiness to many a heart. To start off the Noon Concert season, Le Beau-Beau has brought to campus TOM GASTINEAU, jazz/rock musician(s). Continuing the tradition, the NOON CONCERTS will be held at noon (surprised?) on the Quad. Don't forget to bring your lunch with you. Let's all come on out and listen to some good music, and also to give our very own Le Beau-Beau the warm welcome he deserves.

Today, Friday, April 3, is the last chance to pay for your EVITA tickets. For you lucky winners, come on in by noon and pay for your tickets, or you won't be so lucky. Tickets are \$15.00.

Monday, April 6, is your last chance to pay for ASSERTIVENESS TRAINING SERIES. The fee for the complete series is \$25.00. Come on up to the Y for complete details.

Thursday, April 9, is the first ASSERTIVE TRAINING SESSION. The session, to be held from 7:30pm to 9:00pm in the Y lounge, will be led by Joan Sinsheimer, conductor of last year's successful Assertive Workshops.

Thursday, April 9, at 7:30pm in Winnett Lounge, The Caltech Y will bring to you AN EVENING SPOTLIGHT PRESENTATION entitled "Clerk Maxwell, Einstein and Scientific Theology." The discussion will be led by Thomas Torrance, professor of Christian dogmatics, emeritus, University of Edinburgh.

ritual bickering and mutual mistrust. See how easy this makes it for J. Random Terrorist and his buddies to snake some enriched nuclear fuel? We don't even have to worry about a war. Good progress here.

Consider the scientific community. Genetic engineering has made it possible for biologists to clone living organisms, such as salamanders. Just a couple months ago, a researcher in San Diego cloned a rare deadly African virus; there was potential, but his superiors got him before anything could come of it. Though there is no strict policing of the standards in the business, most scientists can be trusted. Little help here.

Consider the government, all levels. The L.A. County Board of Supervisors is doing its share; it voted to refuse health care to illegal aliens. Good work—spread those communicable diseases! Not to take glory from the national government; they try hard too. Build up defenses and irk other superpowers. Good plan; peace is hard to maintain anyway. Cut aid to cities and CETA; why bother trying to improve the poor's lot, when all they'll do is produce more children and burden the system further?

See? It's not hard to initiate the game; the follow-through will take some time. Each of us can do our fair share: fight gun control, welfare, and anything even slightly capable of promoting peace or stability, support open-air nuclear testing, development of biological warfare weapons and pollution. Yes, the people of America should get angry and do something; play Protector. Protector can work, but only if you make it so. Meanwhile, we'll take some provisions up to this neat, lead-lined underground retreat in Oregon...

—Terrence Furutani

No On Gun Control

To the Editors;
Since the tragic attempt upon President Reagan's life, many of the more unstable elements of our society have been yammering away about the need for stiffer gun control regulation. Unfortunately, these bleeding-heart liberals are totally out of touch with reality! Most proposed forms of regulation would not make it impossible for a sickie like Hinckley (excuse me—*alleged sickie*) to get a gun—merely slightly more difficult. What we need instead is less worthless regulation and a renewed emphasis on responsible gunplay, so that the general public owns and knows how to use a gun. Consider an alternate scenario for the tragedy of Tuesday; even as the first shot dies away into the wind, Hinckley goes down in a hail of bullets fired by concerned, well-informed citizens who know how to use responsibly the guns they carry in accordance with their constitutional rights.

—R. D. Lang

[The alternate scenario given in this letter may sound like a nice story to tell the grandchildren, but practically it would make security agents cringe. —Eds.]



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FRIDAY NIGHT **ASCIT MOVIE** 7:30
10:00

TONIGHT:

FUN WITH DICK AND JANE

50¢ ASCIT members Baxter Lecture
\$1.00 All others Hall

NEXT WEEK: **THE NUDE BOMB**

The California Tech
Friday, April 3, 1981
Volume LXXXII Number 22

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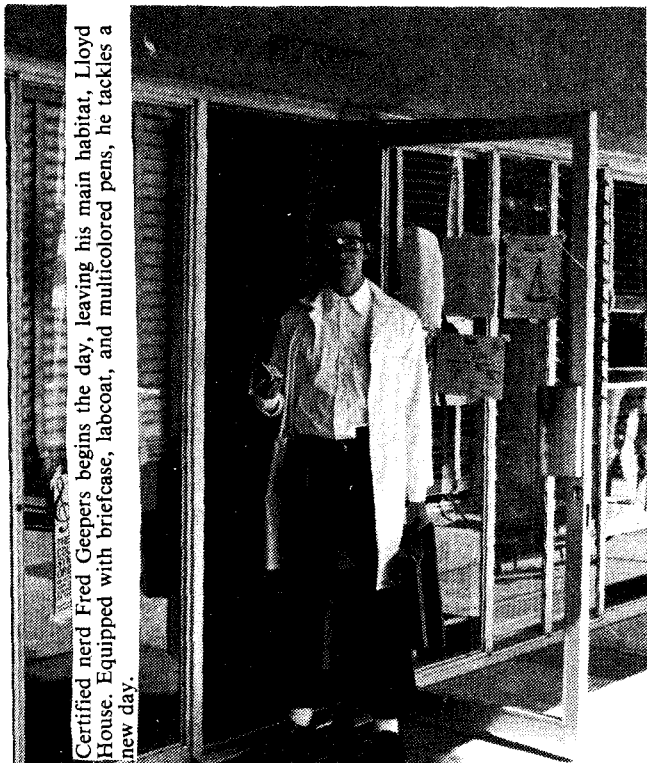
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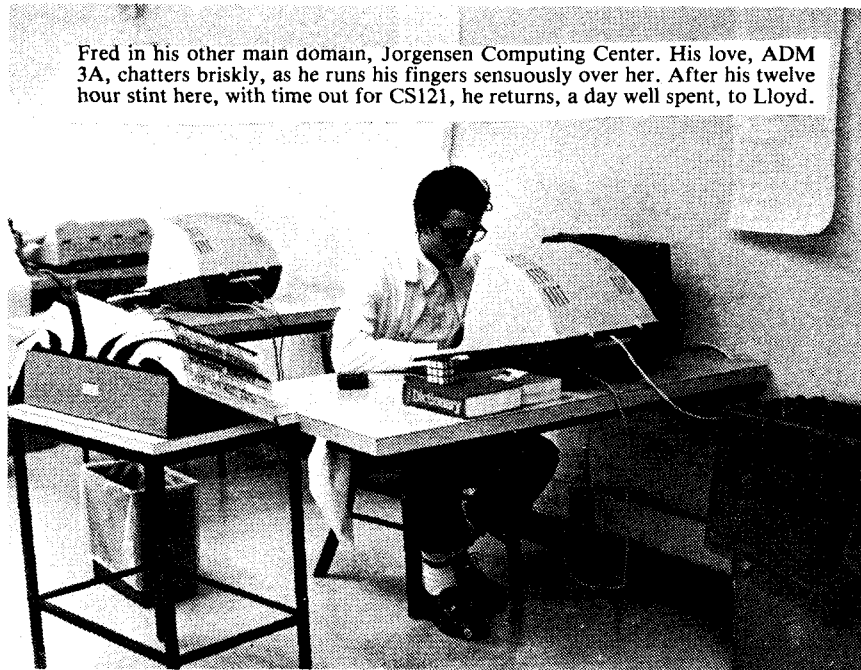
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A day in the life (of a nerd)



Certified nerd Fred Geepers begins the day, leaving his main habitat, Lloyd House. Equipped with briefcase, labcoat, and multicolored pens, he tackles a new day.

Photo by K. Gant



Fred in his other main domain, Jorgensen Computing Center. His love, ADM 3A, chatters briskly, as he runs his fingers sensuously over her. After his twelve hour stint here, with time out for CS121, he returns, a day well spent, to Lloyd.

Photo by K. Gant

The JPL-Caltech Coin Club will host a talk by Dr. John Fitzgerald on American Large Cents at the next regular meeting Wednesday, April 15 at 7:30 pm. Large cents were minted from the first days of the republic until 1857 when the cent was reduced to its current size.

The club meets the third Wednesday of each month in room 168 Church Laboratory Building. All persons interested in collecting coins are cordially invited to attend.

The new Voyager Jupiter-Saturn medal is expected to be available for purchase at the meeting. The Voyager is the ninth in a series of medals struck in silver and bronze to commemorate outstanding achievements in the space program. The new medal can be purchased at the club meeting in silver (1 ounce .999 pure) for \$23.00 or bronze for \$1.25, or can be ordered from Henry Tanner, Treasurer's Office, Caltech campus, 356-6324.

Random Numbers Revisited

Enough, I can't take it any more. Once again the *Tech* Editors have prevailed. By filling the *Tech* with paltry imitations of the greatest space filler known to modern man, 'Random Numbers', they have offended my sensibilities so much that I will be forced to come out of retirement next term, assuming that I am still here, that is. This is not to say that the flights in randomness that have occurred in the pages of the *Tech* recently are bad, but they lack the essential confusion of the original Random Numbers. It is this essential confusion, brought about by a condition that can only be described as Saga pudding of the brain, that causes the inimitable random absent-minded-ness that causes me to sit and stare at my typewriter because I can't remember what it was that I wanted to write.

Still, I can't really believe that the *Tech* editors want me back. It's sort of like organizing a Y fieldtrip to see the La Brea tar pits from the saber-toothed tiger's perspective. Some things in life are just bound to bring you trouble. Generating high quality space filler is an art, one that seems to be desperately needed in light of the present situation of the *Tech*. There were more filler articles in the *Tech* this week than there were serious news articles. This merely proves that the *Tech* writers are not dumb. It is far easier to sit somewhere and drum out this drivel than it is to actually go somewhere and interview someone or see some kind of event. In fact, you never even have to leave the comfort of your terminal, or typewriter, depending on what type of nerd you are.

Also, on nerdliness, it seems to me that nerdliness is not something to flaunt in the face of the outside world. After all, if they liked nerds, would we be here? Of course not, we'd be some place like UCLA exchanging computer terminal phone numbers with attractive nerds of the opposite sex. (While it has been said that all nerds are sexless, this is

a misinterpretation. All nerds can be classified by a sexual form; male, female, or, in a certain very severe cases, the neuter sex, nerdale. Nerds are said to be sexless however, solely because they do not engage in the act very frequently, if at all. This is probably due to the fact that it is hard to model the many damped oscillatory motions involved using a standard programmable pocket calculator. For one thing, the calculators have so many sharp corners and the battery pack compartments have all these sharp little metal things in them.)

The radio is on a country music station but I'm too lazy

to get up and fight my way through the boxes to change it. I think I'm becoming senile. I feel like Jack Albertson's character on *Chico and the Man*. I sort of shuffle through life. I wonder what the results of chronic acidosis are. Isn't this just the thrillingest shit that you've ever read? Well, you had better get used to it as you will be seeing a whole lot more of it, especially if I am still around to write it.

-Duncan G. Mahoney

Ex-Ed. note

It's good to see you back, Duncan. I hope you will accept my apology for the difficulties we had in the past. Good luck on Random Numbers.

-Alan Loh

P.S. You're out of practice Duncan. This Random Numbers was quite interesting.

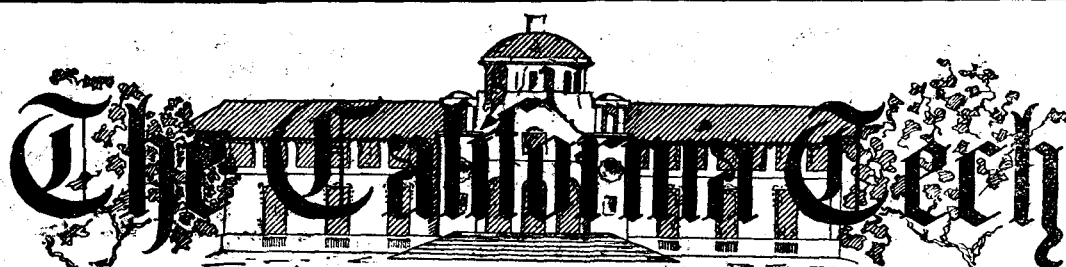
European Itinerary

"Mini-countries of Europe," a travel film personally narrated by Lisa Chickering and Jeanne Porterfield, will conclude the 1980-81 Armchair Adventure Series in Beckman Auditorium, tonight, April 3, at 8:00 pm.

The film will open with a tour of Liechtenstein and its capital, Vaduz; will continue with Andorra and its Romanesque villages in the Pyrenees and the Sovereign Military Order of Malta in the center of Rome; and will conclude with visits to the oldest and smallest republic, San Marino, and to Monaco.

Lisa Chickering and Jeanne Porterfield filmed their presentation during a three-year trip around the world. The pair filmed sixteen countries, studying each country extensively, learning several languages, and gaining first-hand knowledge of the people, cultures, and customs. Chickering and Porterfield have been honored twice with blue ribbon citations in the American Film Festival. Both women have also had performing careers on Broadway and in television.

Call 356-4652 for further information.



PASADENA, CALIFORNIA, APRIL 3, 1925

NUMBER 24

There was a time when all the news in Caltech could be told in 8 pages.

A quieter time. a simpler time. Right now. Because Caltech was a paradise that eventually attracted tens from all over the world. They brought different hopes, dreams, skills and ideas. They created one of the world's unique communities.

And in the process, created more of those events which we call: news.

Suddenly, all the news in Caltech *couldn't* be told in 8 pages, but we made it.

Which is why in 1981, *The California Tech* is in deep trouble with only 5 writers. And made newspaper history.

And why, on April 3, 1981 we reintroduced Random Numbers. And made history again.

All reflect our continuing commitment to inform you of a changing world. A more complex world. A world rich with diversity. Rich with weirdoes. An expanded world filled with more events, more news that ever before.

But it not only takes more time to report it than ever before, it also takes more people. The right people.

But we need more people. Like layout trolls. Like writers. Like photographers. Like editors.

Make it more than 8 pages of news.

Make it 12 pages of news.

Add Lit. 15. Come to 128 Baxter today, Friday, April 3, 1981 at 12:15.

The Body Shop

Jogging can be a fun, beneficial way to exercise. Many people are getting into it, and jogging seems to have become a fad among young and old alike. There are many important factors that need to be taken into consideration when a person starts any new exercise or routine of activity. One very important aspect of jogging is the shoe. It is extremely necessary to wear a shoe made for jogging and to know how to choose the best shoe for you. There are many jogging shoes available today, but not all are made alike. You need to choose the best shoe for your individual need. The following should help you choose that shoe.

Outer Soles—Look for durability, thickness and reasonable flexibility for training shoes. Waffle soles and SL 76-type soles are great on grass, dirt, trails, wet or dry.

Mid-Soles—Mid-soles should provide the right amount of cushion. Too soft will "bottom out", producing shock; too hard will not cushion properly; too thick will inhibit sole flex. If you are very light weight, you may find that softer cushioned mid-soles and/or thinner mid-soles may be adequate for you. If you are

heavy, thicker mid-soles and firmer cushion may be needed to support your weight.

Heel Wedge—The heel wedge should be approximately 1/2" thick. A wide flared heel is important for a runner with a history of injuries who may want its extra stability.

Sole Flex—Very stiff soles restrict proper toe-off which flexes the forefoot about 30% to 35%. Scientific tests show that distance runners land with a force of about three times their body weight (3 G's), while sprinters produce about 10 G's of force. Thinner materials enhance sole flex, however high quality materials effectively combine flex with durability and/or cushioning.

Shank Support—The sole from the front of the arch to the heel constitutes the shank, which should be quite rigid for true support.

Toe Box—You should choose a shoe that allows a natural toe spread. More manufacturers are now offering a slightly higher and wider toe box allowing a better fit which conforms more closely to the natural shape of the foot. This decreases blisters and cramping of the toes.

Reinforcing Trim—Leather reinforcing, particularly on

nylon uppered shoes, adds lateral stability. The identifying stripes on some shoes also add reinforcement to uppers. However, striping that does not attach to at least two points of reinforcing trim on soles, counters or lace supports adds virtually nothing but weight or style.

Upper Comfort—Nylon is your best choice since it takes less care and does not harden or crack from repeated wetness, and it dries quickly. Nylon uppers require virtually no break-in period and are lighter than leather. Nylon is considerably cooler, especially new nylon mesh like Nike's LD-1000. Leather, however, molds more closely to the shape of the foot for a better fit. Suede offers the best combination of comfort and lightness in leather.

Ankle Pad and Heel Collar—These features enhance snug fit, comfort and better ankle support without constricting ankles or causing blisters.

Sizing—Generally athletic shoes run 1/2 size larger than your street shoe size. Therefore, if you wear size 10 street shoes, you will wear a size 9 1/2 running shoe. Women ordering shoes in unisex sizing should subtract 1 1/2 sizes from their shoe size. Adidas has a tendency to fit a slightly narrower foot well. Puma and some Nike and Tiger models fit slightly wider feet well.

Hopefully this will help you in selecting a shoe. Most sales people at The Athletes Foot, sporting good stores, etc. are knowledgeable about each type of shoe and will assist you in selecting a shoe.

Remember that a good, proper fitting shoe is important and will prevent injuries to your feet, legs and knees!

If there's a topic that you would like to see in the Body Shop, please let me know!

Keep on runnin'!!
Lynnette K. Wilmoth, R.N.
Health Center 1-8

Christopher Robbin

By C.R.G.

You are a petro-chemist working for Texaco in their advanced planning division and have finally discovered a synthetic fuel. What are you going to do?

Think about it.

a) Tell no one, which won't accomplish much, within a year other companies will have discovered how to make it and then it's out of your hands.

b) Give it to Texaco, after all you have been working for them and it's legally theirs. What will they do with it? Unclear; possibly market it, possibly shelve it. Either way, the decision is out of your hands.

c) Give it to the media so that they can show it to every person in the country. This is an interesting decision. This would give every company an equal start in the synthetic fuel business (equal as far as present advancement goes) and alert the people to the fact that synthetic fuels exists. You would most likely be sued by Texaco for breach of contract and either go bankrupt, land up in jail, or both.

Sexual Harassment Sucks!

d) Sell it to the highest bidder. Risky, risky, this isn't a Junior James Bond movie, this is the *Big Time*. People won't play your game in a case like this, they'd take your fuel and make sure you couldn't give it to any one else.

e) Make the fuel yourself, you could leave Texaco, start your own little oil company and manufacture your fuel. This wouldn't work because the fuel is still legally Texaco's and they have every legal right to sue you ten years later and take all your profit, and control of your company.

Don't lose sight of what you're after.

If you have a solution to this, write it in to:

The California Tech
107-51



Priscilla

FROM ONE

would actually be able to meet some of the performers in person.

If you have any ideas for promotion or anything else to do with public events, you are urged to write to the Office of Public Events, mail code 332-92. If you like, you can talk to Ms. Johnson personally; she is "happy to talk with anyone." For those of you who don't know, her office is in a little white building at 1135 Constance Street, across from the Noyes parking lot.

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CHILI: Secret ancient recipe—Prepared here under strict guard—Meats/Spices/Simmering makes it perfect—(Hot or mild)—With or without pinto beans—Top with your choice of grated cheese—Add chopped mixed onions if you like.

LOBO: Extra large tamale—Made here fresh—Bulging with meat smothered in chili (hot or mild)—No beans in this chili—Topped with grated cheese of your choice—Chopped mixed onions if you like.

WOLFE SIZE: Huge 1/3 pound extra lean charbroiled pure beef patty smothered in chili & beans (hot or mild)—Toasted sesame seed bun—Choice of grated cheese—Chopped mixed onions if you like.



FRIES: Extra big portion—Extra flavor cause the skin stays on—Deep fried in fine peanut oil to make them super light and crisp—Always totally fresh.

ONION RINGS: Fresh juicy onions—Dipped in batter—(Secret recipe includes imported beer and special blend of spices)—Fried in fine peanut oil—Light, crisp, delicious.

WOLFE HOUND: All beef Hoffy hot dog—Twice as big as an average hot dog—Add: chili, cheese, kraut, or load it up at the condiment bar.

SEA WOLFE: A full 4 oz. of the lightest haddock—(Tenderest sweetest fish in the sea)—Lightly breaded—Fried light in fine peanut oil—Served on sesame seed bun.

FLAN: Made here with loads of fresh eggs and fresh whole milk caramelized topping—Rich and creamy!

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ORIGINS OF MANKIND Explored

Dr. Donald Johanson, paleoanthropologist and author of a new book on evolution entitled, *Lucy: The Beginning of Humankind*, will lecture on "Lucy and the Evolution Revolution," in the Beckman Auditorium, Tuesday, April 14 at 8:00 pm. This Leakey Foundation lecture will discuss the overall fossil hominid evidence for man's origins and evolution, and the basis for designating a new species of early man, *Australopithecus afarensis*. A question and answer period will follow the lecture. Johanson, curator of physical anthropology and director of scientific research at

the Cleveland Museum of Natural History, has been co-leader of archaeological expeditions in the Afar region of Ethiopia since 1973. In late October of that year, Johanson found the first human fossils in the Afar region at the Hadar site. A knee-joint found at the site, dating back to 3.5 million years ago, provided evidence of bipedal stature and locomotion at the time, according to Johanson.

The following year, Johanson discovered "Lucy," a 40% complete skeleton determined to be about 20 years old. Lucy stood approximately four feet tall and walked erect like

modern man. Her brain was small and her jaw and skull were more ape-like than human. Because Lucy's brain was still ape-sized, Johanson claimed the old theory of brain enlargement preceding bipedalism or the two evolving in tandem, to be no longer valid.

Returning to the Hadar site in 1975, Johanson's field team discovered a locality that yielded the remains of at least thirteen individuals, including children. Johanson concluded that it was probable that the individuals lived together and were the earliest evidence of human cooperative behavior, and the group was thus named the "First Family."

Based on the Hadar discoveries, Johanson and Dr. Tim White of the University of California at Berkeley, officially proposed a new hominid

species, *Australopithecus afarensis*, in 1978. They claimed the new species to be the common ancestor of both the later *Australopithecus africanus* (an ape man) and *Homo sapiens* (modern man).

Johanson's discoveries, and what he says they mean, have won him the admiration of many colleagues, but they have placed him in scientific conflict with another group of paleoanthropologists led by Mary and Richard Leakey. The Leakeys believe that the Afar apeman was not a separate ancestor of man but an offshoot from the evolutionary tree, an unusual *Australopithecus africanus*.

Johanson received a Bachelor's Degree from the University of Illinois in anthropology and studied for his Ph.D. under paleoanthropologist, F. Clark Howell at the University of Chicago.

In 1974, Johanson became Curator of Physical Anthropology and Director of Scientific Research at The Cleveland Museum of Natural History, and established a Laboratory of Physical Anthropology where he is currently engaged in full time research. He also holds Adjunct Professor appointments at Case Western Reserve University and Kent State University, in addition to being a Research Associate Professor of Anatomy at Northeastern Ohio Universities College of Medicine.

Tickets are available now for the Leakey Lecture at the Caltech Ticket Office, x4652.

ERIC BRYAN
See you on Fourth Street. Positively.

-Eric



RIP?

Caltech what? Well, admittedly social life hasn't ever been particularly great at Caltech. Go down to the archives in Millikan if you dare, though, and feast your eyes on their photographs of social life in the 30's and 50's—you'll surprise yourself; socially speaking the grass has always been greener on the other side of the hill.

Of late, social events at Caltech have become almost synonymous with an excess of drink (among other things) and surprise! a highly imbalanced ratio. The consequences are more than predictable: people getting smashed and stoned and a prevalent feeling of total apathy. If we have to be decadent, let's do it the right way, please!

What's more, things haven't always been this bad; don't let the archives in Millikan alone convince you. Find yourself an alumnus and ask him/(her?) how things were. The situation could get (distinctly) better—if it doesn't it certainly will be for the lack of trying. The formula's simple—guys, girls: mix!

-Bill Naylor

TBP

FROM ONE

on entitles: "Society's Decision-Making Process; When an engineer speaks, does anyone listen?" Dr. William Corcoran, professor of chemical engineering, will be leading this workshop. Some four chapter officers will also be present to moderate this session. All are invited to attend the conference, and members of Tau Beta Pi are especially encouraged to attend. Registration begins at 8:30 am, and the conference will last until 4:00 pm. A fee of \$3.00 (\$1.00 for students) will be charged at registration. You are not required to attend the whole conference if you do not have the time to spend. If there are any further questions, please contact any member of Tau Beta Pi about the details. (C.F. Braun is located on Fremont Ave. in Alhambra—about 3 miles from Caltech.)

-Jeff Chen

Looking for full-time employment? Or a summer job?

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Monday, April 6

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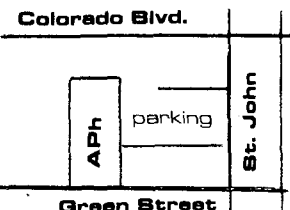
If you think you might be interested in working with us, we invite you to come by and take a look at some of the things we're doing.

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We also still have some summer positions available, primarily to work on smaller projects, such as video games and home computer software.

If you would like more information, or won't be able to attend but would like to arrange for an interview, please contact Heather Edison at 796-0331.

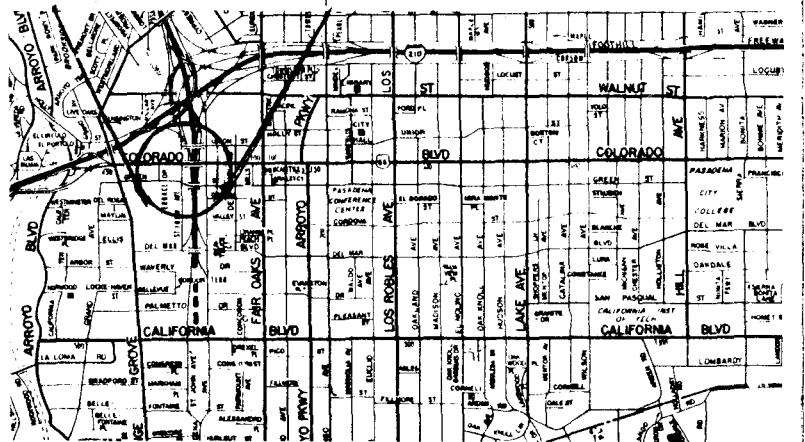


The parking lot must be entered from St. John Ave., which is a one-way street going south. To get there, take Union west, or follow the Del Mar-Pasadena Avenue-Colorado route.

APh is on the second floor, above Sturges Pharmacy. Enter via the door on the east side, which opens onto the parking lot.



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SPORTS

Pucksters pull up short, 6-5

By Grant T. Yokum

The mighty U.S.C. Trojans sent their best icemen to challenge the Caltech Pucksters last week. Seeing the anemic goggle-eyed Beavers, the pompous Trojans casually entered into the contest with their noses held high in the evening air.

They were quickly brought down to earth when Tech blasted-off to a 2-0 lead. Tech's first goal came when Dennis Roth single-handedly unloaded a long, sliding, on-ice shot which scooted past the dozing U.S.C. goalie. Shortly thereafter, John Christenson fired an unassisted effort from point-blank range to boost the Beavers to an early two goal lead.

Tech goalie Brian Fitzsimmons started in goal after the alternate goalie was seriously wounded in a gangland style shooting the week before. "Fitz" slashed at the opponents, withstood collisions with his own teammates and thwarted 27 separate scoring attempts by U.S.C. Despite his Herculean efforts the Trojans managed six unanswered goals to leave the Beavers trailing 6-2 halfway into the third period.

Sensing the dejected mood on the Beaver bench the official score keeper (Gra Ham Berger) and time keeper (Nick Nasty) shouted "Let's go Beavers! Chew some Trojan legs off! Your reputation as Pucksters is on the line!" Although the Tech skaters are a smart bunch they were slow to pick up this lead and it was not until 9 minutes remained in the game that rookie Art Voter pulled the string. Art easily flicked in Caltech's third goal while the Trojan goalie was groveling on his belly and chewing on the ice. Twenty seconds later John Ting, who hadn't seen action since the Viet-Nam days and who was pulled out of mothballs for this game, collected the puck and passed to a waiting Mike Friedman, who rifled in a twenty foot slap shot.

An air of anticipation filled the rink as the fans awaited the next Tech offensive maneuver. Suddenly Christenson controlled the puck at center ice and initiated a machine gun like barrage of passes to elude the Trojan defense and then planted the puck precisely between the posts for his second goal of the game.

In the closing minutes Caltech accumulated two interference penalties in their vain attempt to taste victory. Even hampered by these disadvantages the Pucksters fought on to dominate the action in the final moments, and narrowly missed several scoring opportunities before the final buzzer left the Beavers still wanting a goal.


Thus marks the conclusion of a somewhat disappointing year for the Pucksters, who were plagued by injuries early in the season and skated a rather uninspired 2-16-1 season. Rounding out their careers at Pasadena's oldest trade school are John Christenson, Andy Gellman, Dave MacFarlane, Robert Bernier, Alex Ortiz, Dan Margoliash, Tony DeCandia, and Steve Percy. With this heavy loss of personnel the team is looking to fill the needed slots with young talented skaters and is currently awarding scholarships to qualified hockey stars.

Caltech goalie and chem 41 TA, Brian Fitzsimmons, fend off the onslaughts of the Trojans. Their efforts were in vain though as the gallant crew lost, 6-5. Below, two Caltech track members strive for the tape.



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Artist III

Anti-

FROM ONE
 Gallery Director Michael Smith: "Visitors to the gallery will be treated to a selection of by outstanding, yet similar, young artists. Some are well established international exhibition records, while others are just beginning careers. It is our goal to bring the viewer back for more than one look to establish a greater appreciation for the individual qualities of each participating

artist."

The gallery has scheduled each participating artist to discuss his or her work informally in the gallery on Tuesdays at noon. The gallery will remain open on days the installations are changing. Viewers are invited "backstage" to share in the process of presentation and are encouraged to ask questions of the artists and gallery staff.

Guided docent tours are available to groups by advance request.

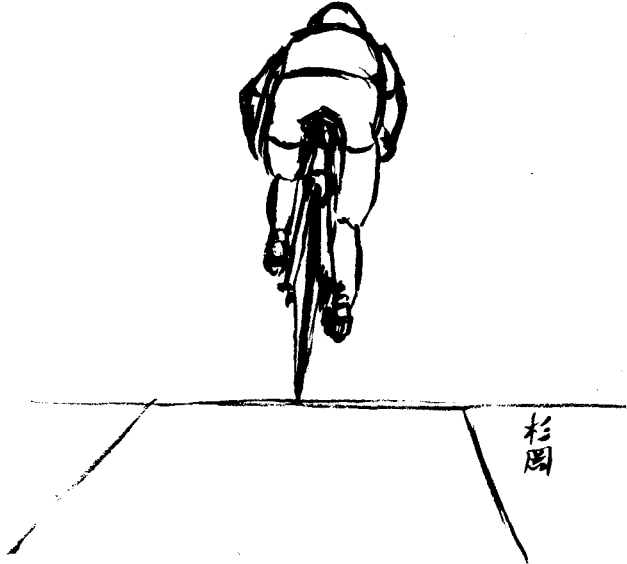
To document this unorthodox exhibition, the artists and gallery staff are producing a video tape, which will be available for distribution this fall.

Following "Anti-Static", the gallery will close for the summer. The gallery is normally open seven days a week, noon to 5 pm. For further information, call the gallery at 356-4371.

"PE ACT 58 Bicycling:

Bicycle riding skills. Selection, care, and repair of bicycle. Prerequisite: Ten speed bicycle. Lab: 3 hours. Required: Bicycling trips."

-Bulletin of Pasadena City College. April 1980



Billie & Ich

Sorry folks but that is all for this week. We were planning to present tips on selecting a new bike but we could not get it organized in time. If anybody can suggest or recommend any bikes or stores, please find us in Ruddock.

Freshman Admissions

The Freshman Admissions Committee is in the process of making admissions decisions and planning for the Pre-Frosh Women's Weekend. Letter writing (to the admitted women) will be Monday, April 6, in 024 Beckman at 4:30 pm. All interested students (male and female) are invited to participate. Final plans are being made for food and hosting. Those interested in helping should contact Wendy Rasmussen (food), x6182, or Gloria Badilla (hosting), x6172.

The Energy Future

Jerry McAfee, chairman and chief executive officer of Gulf Oil Corporation, will speak at the California Institute of Technology on "The Energy Future: Earth's Resources, Mankind's Ingenuity" on Tuesday, April 7, at 4 pm.

McAfee is appearing at Caltech to deliver the Fourteenth Annual W. N. Lacey Lecture in Chemical Engineering. The program, which is open to the public without charge, will take place in the J. Holmes Sturdivant Lecture Hall (room 153) in Noyes Laboratory on campus.

McAfee, a resident of Pittsburgh, Pennsylvania, has been director of Gulf Oil, as well as chairman and CEO since 1976. Before that time he was resident and CEO of Gulf Oil Canada, Limited, for six years. McAfee joined Gulf in 1946, with a degree in chemical engineering from the University of Texas and a PhD from MIT, and experience in aviation gasoline plant design and start-up during World War II.

The W. N. Lacey Lectures in Chemical Engineering were established at Caltech by the late Dr. William Nobel Lacey, whose career in teaching, research, and administration at the Institute from 1916 until his retirement in 1962. Lacey died in 1977. The Lacey Lectures bring to Caltech experts active in chemical engineering or related disciplines.



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 - 60282 *Rossini: Overtures - Davis/Royal Philharmonic Orchestra*
 - 60276 *Handel: Water Music and Royal Fireworks - Sir Malcolm Sargent/Royal Philharmonic Orchestra*
 - 60271 *Pachelbel: Canon - Auriacombe/Toulouse Chamber Orchestra*
 - 60237 *Rachmaninoff: Piano Concerto No. 2 - Leonard Pennario/Los Angeles Philharmonic Orchestra*
 - 60236 *Orff: Carmina Burana - Stokowski/Houston Symphony Orchestra*
 - 60198 *Copland: Rodeo and Appalachian Spring - Irving/Concert Arts Orchestra*
 - 60175 *Holst: The Planets - Stokowski/Los Angeles Philharmonic Orchestra*
 - 60138 *Verdi and Rossini Overtures - Giulini/Philharmonia Orchestra*
 - 60118 *Vivaldi: Four Concertos for Two Orchestras - I Soloisti di Milano*
 - 60096 *Faure: Requiem - Willcocks/New Philharmonia Orchestra*
 - 60069 *Beethoven: Piano Concerto No. 5 (Emperor) - Gieseking/Philharmonia Orchestra*
 - 60023 *Tchaikovsky: 1812 Overture - Sargent/Royal Philharmonic Orchestra*

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 - 33926 *Ravel: Bolero - Ormandy/Philadelphia Orchestra*
 - 33923 *Bizet: Carmen Suites - Ormandy/Philadelphia Orchestra*
 - 33200 *Telemann: Fantasies for Flute - Jean-Pierre Rampal*
 - 32223 *Mussorgsky: Pictures at an Exhibition - Szell/Cleveland Orchestra*
 - 31923 *Berlioz: Symphonie Fantastique - Ozawa/Toronto Symphony*
 - 30670 *Tchaikovsky: Symphony No. 5 - Szell/Cleveland Orchestra*
 - 30489 *Sibelius: Violin Concerto - Oistrakh/Ormandy/Philadelphia Orchestra*
 - 30049 *Smetana: The Moldau - Szell/Cleveland Orchestra*
 - 30048 *Mozart: Eine Kleine Nachtmusik - Walter/Columbia Symphony*
 - 30046 *Sibelius: Symphony No. 2 - Ormandy/Philadelphia Orchestra*
 - 30045 *Dvorak: Symphony No. 9 (New World) - Walter/Columbia Symphony*
 - 30044 *Borodin: Polovetsian Dances - Szell/Cleveland Orchestra*
 - 30042 *Beethoven: Violin Concerto - Francescatti/Walter/Columbia Symphony*

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 - AGK1-3879 *Liszt/Smetana: Rhapsodies - Stokowski/RCA Symphony Orchestra*
 - AGK1-3879 *Strauss: Scenes from Elektra - Inge Borkh/Reiner/Chicago Symphony Orchestra*
 - AGK1-3878 *Dvorak: Cello Concerto - Piatigorsky/Munch/Boston Symphony*
 - AGK1-3790 *Barber: Adagio for Strings - Munch/Boston Symphony*
 - AGK1-3711 *Saint-Saens: Symphony No. 3 (Organ) - Virgil Fox/Ormandy/Philadelphia Orchestra*
 - AGK1-3708 *Carnaval de Rampal - Jean-Pierre Rampal*
 - AGK1-3658 *The Virtuoso Flute Vol. 2 - Jean-Pierre Rampal*
 - AGK1-3656 *Stokowski Conducts Bach*
 - AGK1-3653 *Ravel: Bolero/La Valse - Munch/Boston Symphony Orchestra*
 - AGK1-3650 *Williams: Music from Star Wars and Close Encounters of the Third Kind - Gerhardt*
 - AGK1-3649 *Gershwin: Rhapsody in Blue/An American in Paris - Fiedler/Boston Pops Orchestra*
 - AGK1-3366 *Rachmaninoff: Piano Concerto No. 3 - Weissenberg/Chicago Symphony*
 - AGK1-3365 *Pachelbel: Canon in D - I Soloisti Veneti*

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Invest Your Blood

The Caltech Red Cross Blood Bank will be available for Caltech donors in Dabney Lounge on Thursday and Friday, April 9 and 10 from 9:45 am to 2:30 pm. Employees who wish to make an appointment to donate blood should contact Margaret Collins, Ext. 6374 (Personnel) immediately. Undergrads who are considering donating blood should become cognizant of the liquid rewards offered for the House donating the most blood.

Kern County?

The San Joaquin Valley Chapter of the American Petroleum Institute is granting scholarships to students with permanent residency in Kern County. The scholarship is to be used to further studies related to the Petroleum Industry. Preference will be given to those majoring in engineering or geology. Application, in letter-form, along with a complete and up-to-date transcript should be submitted no later than Monday, April 6, 1981 (so hurry!) Since applicants will not be interviewed, they will be presenting themselves to the scholarship committee through the letter. Therefore, the transmittal letter should be as complete as possible, including the applicant's major, the college/university attending (or planned to), outside activities, etc. Several references from counselors and/or teachers could be included. Successful applicants will be notified by May 10, 1981. They will be honored at the Chapter's June meeting. Send applications to:

Jon Crawford
c/o R. E. Frash Company
P.O. Box 9849

Bakersfield, CA 93389
Phone: (805) 323-3193

Shostakovich & Co.

Sunday, April 5 at 3:30 pm, there will be a Coleman Chamber Music Concert in Beckman Auditorium, featuring the Rogeri Trio. Violinist Richard Young, cellist Carter Berey and pianist Barbara Weintraub will perform various pieces, including Haydn's Trio in C Major, Hob. XV, 27; Shostakovich's Trio in E Minor, Op. 67; and Beethoven's Archduke Trio in B-flat Major, Op. 97. Admission: \$10.00-9.00-8.00-6.00; students \$2.50 reduction. Phone 356-4652 for info.

Cinemathech Rides Again

PREMIER! This Saturday, April 4, Cinemathech, the student film organization specializing in screening foreign, old American and rarely seen films will open its spring season with two showings of Phillippe deBroca's "King of Hearts" (in French with English subtitles), at 7:30 and 10:00 p.m. in Baxter Lecture Hall. Admission: \$1.00 for ASCIT, GSC, and children under 14, \$2.00 for all others, see ya there!

Armchair In Andorra

Tonight, at 8 pm in Beckman Auditorium, there will be an Armchair Adventure film entitled "Mini-Countries of Europe." Admission \$5.00-\$4.00. Phone 356-4652 for details, or see the longer article about this event, if the editors remembered to put it in this issue.

Guitar Classes

Caltech will again offer guitar classes with classical guitarist Darryl Denning on Tuesdays starting April 7 in the Fleming Music Room. The classes are free of charge to Caltech students and other members of the Caltech community will be admitted if space permits. Classical and Flamenco repertoires will be explored but the techniques gained can be used in other forms of guitar as well. The schedule is as follows: Beginning Class, 4:30-5:30 pm; Intermediate Class, 2:00-3:30 pm; Advanced Class, 5:30-6:30 pm. Students should bring their guitars to the first meeting. Private instruction can also be arranged with Mr. Denning. For further information please call Mr. Denning at 465-0881.

The Sound of Four Hands

The Caltech Y is pleased to present the students of Elma Schonbach's four-hand piano class in concert in Dabney Hall at noon on Thursday, April 9. Admission is free, and all students, staff, faculty, and guests are welcome. Bring your lunch and listen to the music of Beethoven, Schumann, Shubert, Dvorak, Katchaturian, Satie and Loh.

Figure Skating Class

An intermediate figure skating class will be offered third term independently of the P.E. department. There are places for 15 students in the class, which will meet on Wednesday nights. No beginners, please. To sign up, see Cecilia Rodriguez, room 72 Ricketts, 578-9952.

Sunny Summer Jobs

Summer jobs are available at the Big Bear Solar Observatory. Students live at the Observatory and operate the telescope. Housing is provided. Contact Cathy Reynolds at room 264 W. Bridge for applications.

Acid Rain

On Wednesday, April 8 at 8 pm, Dr. James J. Morgan, Professor of Environmental Science here at Caltech, will present an Earnest C. Watson Caltech Lecture entitled, "Acid Rain: A Local, Regional and Global Phenomenon." The results of a recent study at Caltech will be discussed with respect to the causes of acid rain, its possible environmental effects and some approaches to control. Admission: free. Phone 356-4652 for more information.

Wanted: Experienced Operators

This musical will be presented in Beckman Auditorium on Friday, April 10, and Saturday, April 11, at 8 pm. Written by C. Bernard Jackson and Estela Scarlata and produced by the Bilingual Foundation of the Arts, this musical provides a rare insight into the realities of a Los Angeles garment factory. Carmen Zapata heads a professional cast. Admission: \$8.00; students \$4.00. Phone 356-4652 for information.

Moussorgsky on Balalaikas?

Saturday night, April 4, at 8 pm, the Odessa Balalaikas (say that one three times real fast) will perform authentic Russian folk music on various rare instruments. Their program will include classical music, such as Moussorgsky's "Pictures at an Exhibition" and Mozart's "Turkish Rondo." Admission: \$9.50-8.50-7.50; students 10% off. Phone 356-4652 for more info.

Student World Holidays

Student World Holidays is offering 3, 4, or 6 week programs of summer travel in Europe for persons aged 18-30. Departures are in June, July and August and prices range from \$1998. The deadline is May 1. Theresa in Winnett has more details (X6157).

Video Art Course

This course, whose description was left off the current curriculum, will explore the newest trend in modern art—the use of video technology for personal creative expression. It will survey experimental avant-garde videotapes produced by independent artists in the United States, Canada and Europe. Categories include: (1) computer-synthesizer video, (2) narrative-poetic video, (3) conceptual-performance video, (4) video-verité. The impact of digital video technology on the visual arts will be discussed, and the role of video art in the videodisc revolution will be explored. The theory and practice of this new art form will be investigated through interviews with artists and critical writings in the field.

Long Lost CEAC Returns

Are you interested in stopping oil exploration near Channel Islands marine sanctuaries and near Big Sur? If so, join the Caltech Environmental Action Committee. This organization will have its first meeting Monday, April 6 at 7:30 pm in Winnett Clubroom 2. For more information contact Pat Coin or Brent Gilstrap in Ricketts.

Assertive Training Offered

Assertiveness is a skill. An Assertiveness Training program is now being offered through The Caltech Y for those who wish to polish this skill. The program is "back by popular demand," following a very successful series of workshops last year. By discussing and practicing ways of asserting one's self, i.e. getting things done, participants increased their ability and confidence in handling both day to day intimidation and unusually difficult situations.

This year Assertiveness Training will have the same format and leader as last year. Joan Sinsheimer, MFCC, will again be leading the six weekly workshops, on Thursday evenings from 7:30 to 9:00 pm. The group will meet in the Y Lounge, upstairs in Winnett Center. Next Thursday, April 9, will be the first meeting date.

The number of participants is limited to twelve. **TODAY IS THE LAST DAY TO SIGN UP.** The sign-up sheet is in the Y Office, where the lottery will be drawn and posted at 5 pm today. To cover some of the expense of the program, a \$20.00 fee will be charged to participants. Payment will be due April 6, next Monday.

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