

Once more  
into the breach,  
Dear Friends,

# The CALIFORNIA Tech

Once more  
into the breach

Volume LXXIX Number 26

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Friday, March 31, 1978

## Vocabulary of Music to be Taught

Harihar Rao has been appointed Andrew W. Mellon visiting lecturer in music at Caltech.

A composer and instrumentalist and longtime associate of Indian sitarist Ravi Shankar, Rao came from his native country in 1961 to teach Indian music in the United States.

In one of his two classes here, "Music Culture of the World", Rao will use his own instrumental performances and those of guest artists in person and on tape to expose his students to music of the pygmies of East Zaire, the gong-chime culture of Indonesia and Bali, and of the Arabic, Slavic and Oriental cultures.

In his "Rhythmic Complexes", a class for more serious performers and composers, students will experiment on the tabla (Indian drums) with the rhythmic patterns they are learning in class. Rao will also teach the vocalization of drum sounds—"a precise vocabulary that conveys the complicated passages of the tabla."

"For Americans and Europeans used to the two-four and four-four time of western music, learning the unfamiliar patterns of five-seven, seven-four, nine-four of other cultural musics is like learning a foreign language," he says.

Rao was born in 1925 on the southwest coast of India. He is a Saraswatbrahmin, an ethnic group whose origins are in Kashmir. At 16 he began studying with Shankar, and for more than 30 years he has been associated with his teacher not only as student, but also as teaching assistant, business manager, and close friend.

"At Caltech I hope to find students—those who merely wish to be exposed to a wider variety of cultural music and those who are serious about creating music," Rao says.

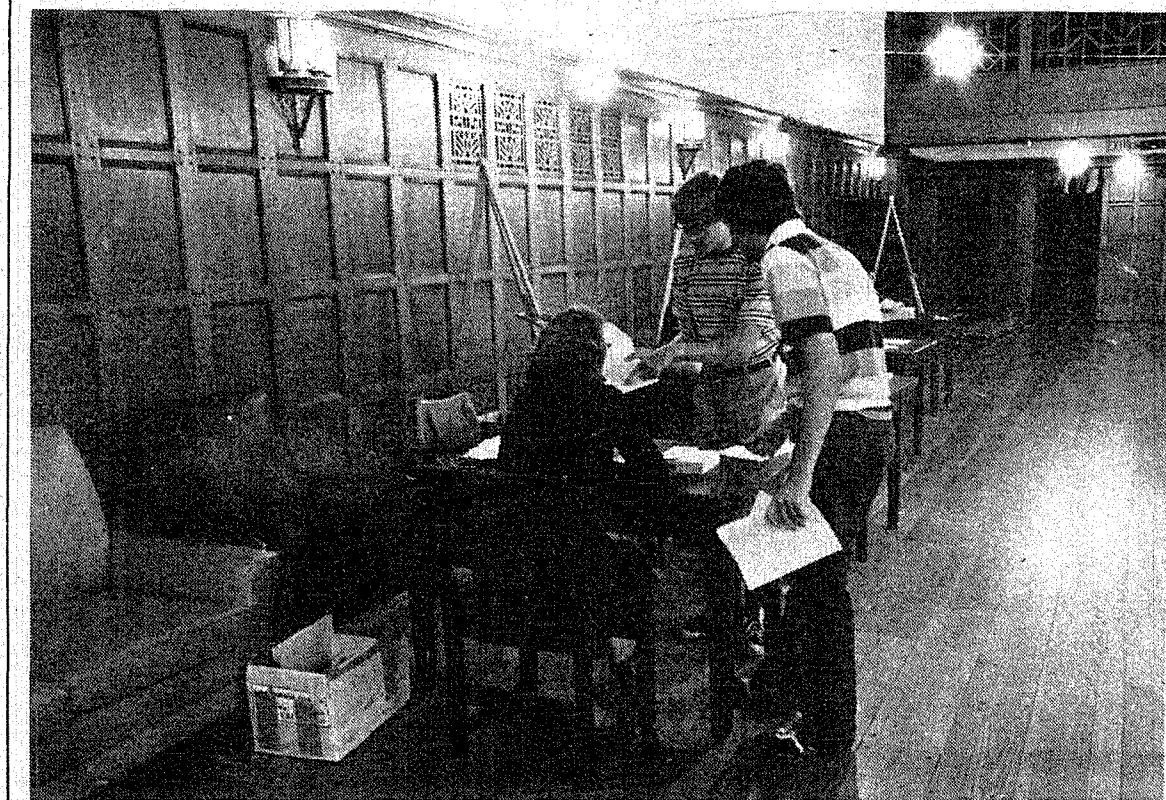
Rao now teaches at UCLA and Occidental College. Among his former students are jazz artists Don Ellis, Tom Scott, and Emil Richards.

## Tech Pucksters Make it into Post-season Play

By Grant T. Yokum

The Caltech pucksters ended the regular season with a 12-8 record. The regular season ended in a flurry of games (3 in one week), with the Beavers winning 2 of the 3. Both wins came against U. C. Irvine, and the defeat came at the hands of Valley J. C., and thus Tech's winning streak halted at 7. Caltech finished third in Division II of the Southern California Collegiate Hockey Association behind Pierce and Valley.

The first post season play-off game ended in disaster. Tech suffered a humiliating 9-0 loss to Pierce. The Beavers skated like they had lead weights tied to their tails and stood aimlessly about while Pierce skated freely. Several



"What do you mean I still need 96 units to graduate this year, Mrs. Casey??!"  
yes, Registration decended on Dabney Hall once again last Monday.

Photo by Yin Shih

## SEX & the single Techer

By Larry J. Mortin

Webster's New World Dictionary defines sexuality as an interest or concern with sex. The development of one's sexuality and sexual identity is an incredibly complex procedure. Including such biological factors as chromosomes and hormonal levels and such environmental factors as parents, siblings, home, and contemporaries, the development of sexuality is truly a multifaceted process.

This study is an attempt to view the development of sexuality and sexual mores at a stage in life when questions of ethics and sexual awareness come up most frequently. During the college years, people have largely formulated a number of basic concepts on their sexuality and a set of morals and ethics in which to operate sexually. How well established is this concept of sexuality at the college level? Is it still a very dynamic process, or do traditional upbringings and beliefs hold out in the end? How does one's sexual identity further

develop at this later stage of personality development?

One way to explore these and similar questions is to survey a population of students on their sexual activities, awareness, and morals. A good environment for such a study is Caltech. Here we have a special subpopulation of college age youths, one which is uniquely structured by its strict academic requirements and pressures. In addition, Caltech has an interesting social problem. This problem arises out of the fact that nine out of every ten students is male. The result is frequent and often highly vocalized sexual frustrations on the part of the male students and an unusual peer group pressure on the female students to be sexually active and/or to 'pair up' with a 'mate'. Another common complaint of the female students is the difficulty in finding compatible female friendship and companionship. How do all of

these unusual circumstances and pressures work on the students' concept of sexuality? How are these facts manifest in the overall sexuality of the Caltech community? Is there any stagnation or disfigurement in the development of a sexual identity in Caltech students? It becomes quite apparent that no simple survey is in any way going to answer all or even a few of these questions. Still, a few statistical facts might help in shedding some light on these fascinating questions and problems.

The questionnaires used in this poll were developed by this author from an assortment of other sources and also from personal whims. Many of the questions coincide with questions in a number of Playboy Foundation surveys on sexuality. In addition, some aspects of Kinsey's questionnaires on sexuality have been used. Some of the questions were even inspired by various Caltech Purity Tests, an unusual undergraduate custom surveying the degree of sexual experience of Caltech

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## Meet the Cadre

By Michael Kurilla

Wandering around Lloyd these days, one gets the impression that the house is no longer a student house, but an office building for ASCIT. Once again given the assignment of talking with your elected officials, I took off for Lloyd to hunt more of them down. The fruits of this week's labors turned out to be the Director for Social Activities and the Director for Academic Affairs, herein referred to as Dir. Soc. Act. and Dir. Ac. Aff. respectively.

Beginning with Dir. Soc. Act., the name with the title is Leila Gonzalez. Her main duty is running the ESC (executive social committee). Last year the committee received \$3000 from ASCIT. Most of that money went to multiple house parties

in the form of \$300 per party. What this means is that if two houses get together to have a party and receive money from ASCIT for it, then as an ASCIT member you are entitled to go, and the houses can't keep you out. There have also been seven house parties and even an ASCIT-GSC party.

For this year Leila asked for \$6000 and got \$4000. She plans on having an ASCIT-GSC party third term along with a semi-formal (Semi-formal means more than just clean underwear, like ties for guys and dresses for girls). She would also like to plan a seven-house beach party for May 20 somewhere in Ventura County. She liked to change the manner in which money is given

continued on page five

## HSS Chair Candidate Visits Tech

By Joel Rubinstein

Ruth Marcus, Professor of Philosophy at Yale, is a candidate for the Chairman of the Division of the Humanities and Social Sciences. In an open meeting last week, Ms. Marcus found the idea of becoming chairman attractive, saying that she was an administrator in fact although not in name already, and with her administrative experience, did not expect to have to spend too much time administrating if she became chairman. Even as division chairman, she hoped to be a member of the faculty first and an administrator second. She would prefer to sit "on the same side of the desk" with faculty and then plead their cause to the administration.

Ms. Marcus earned a Ph.D. in Philosophy at Yale in 1946. She was professor at several universities from 1951 to 1973. In 1973, she returned to Yale, where she is the Reuben Post Halleck Professor of Philosophy and Director of Graduate studies, Philosophy. She holds a number of offices in professional organizations including Chairman of the National Board of Officers of the American Philosophical Association. These are but a small sample of the many academic and professional achievements of Ms. Marcus.

When asked why she would like to come to Caltech, Ms. Marcus cited several factors. California sunshine is a welcome change from the nasty winters of New England. Most of the preferences are specifically about Caltech and not California. Caltech's small size is an asset, she said, because it enhances communication between faculty of different specialties. Ms. Marcus had high praise for Caltech as a "real institute" and added that the addition of a professor of philosophy would enhance the "real institute" quality of Caltech.

Many of the questions put to Ms. Marcus in the open meeting centered around how she would represent HSS's demands before the administration. She replied that she could plead any cause that she believed in. The majority of those present (which was mostly faculty; the only undergrads there were working for the Tech) were pleased by her responses. She came across as a very open person with enthusiasm and eagerness as well as ability and judgement. One faculty member suggested to her after the question and answer period that we cut out the nonsense and hire her on the spot. It was clear that HSS is pleased with this candidate. Furthermore, the support from the Social Sciences is as strong as from any other branch of HSS.

Some people have suggested that Caltech may hire female applicants for faculty with less than due regard for qualifications, to achieve a hiring balance. This is certainly not true in this instance. Ruth Marcus is a strong candidate for no other reason than that she is well-qualified.





# all the NEWS

## In Search Of The Wild Cello

Musica Rara (Rare and Unique Chamber Music) will be presented in Dabney Hall Lounge, tonight at 8 pm. First in a new series presented by the Pasadena Recreation Division in cooperation with the Caltech Faculty Committee on Programs. This program features Robert Wojciak, clarinet; Kenneth Lunday, bassoon; Victor Vener, horn; Kathleen Lenski, violin; Michael Nowak, viola; Peter Tejto, cello; Susan Ranney, contrabass. All these people will be performing music by Beethoven, Strauss, Durvernoy, and the Bach-Mozart Trio, hopefully synchronously. General admission \$4; students, children and senior citizens \$2.50; Caltech students: 20% discount and usual "rush" tickets.

## Naval Game

There will be a naval miniatures game, this Saturday at 4:45 pm in Dabney Hall Lounge. Find out what happens when you mix sauerkraut and limes.

## We Need 50

### Good Techers

Coleman's 32nd annual chamber music auditions will be held in Ramo Auditorium on Friday, Saturday, and Sunday, March 31, April 1 and 2. Past winners of these prestigious auditions include some of the finest musicians in the country: Michael Tilson Thomas, Mona Golabek, Lilit Gampel, Glenn Dicterow, Jeffrey Solow, and Nathaniel Rosen, among others, which includes two members of the Cleveland Quartet, and the entire Tokyo Quartet. The auditions are free.

The Auditions begin at 4 pm Friday, March 31, at 1 pm Saturday, April 1, and the winners will perform on Sunday, April 2 at 3:30 pm in Ramo Auditorium.

The public is welcome to the auditions; for the Sunday concert, 50 free and 50 most-free (\$1) tickets are available to Caltech students (bring ID), and may be picked up beginning Tuesday, March 28 at 10 am in the Caltech Ticket Office on campus.

## Be On A Committee, Dammit!

There are still plenty of positions open on ASCIT student committees. If you're a photography buff, you might want to try becoming either the Publications Darkroom Chairman or the Student Darkroom Chairman (no appreciable pay, but loads of G&C). If booze and women (or men) are more your style, how about a shot at the at-large position of the ESC? And we still need an election chairman. If the spirit moves you, sign your life away on Flora's doora.

## Attention

### First Year Students!!

Interested in what options have in store for you over the next several years? Check your mailbox for information on Frosh Orientation II.

## Got A Spare

### Barber On Ya?

Since the barber has resigned, the Barbershop is empty. If anyone has any suggestions for the use of the space (please keep them polite), please call Ray Beausoleil at ext. 2152.

## Gameroom

### Chairman Sought

Anyone who is interested in being Gameroom Chairman should sign up on Flora's door, and also talk to Flora. The job pays \$2.65 per hour for 30 hours per term, with the possibility of more, since there will be a lot of work done to the gameroom this summer.

## Poker Anyone?

### See Flora...

To whom it may concern: if you are the person who lent me some plastic poker chips in a case as a prop in *Fiorello!*, please come and claim them. Otherwise, I will take them to Las Vegas with me next week where I am sure they can be put to good use.

## that fits

## I Scream You Scream

"The Los Angeles Rams are not going to be outdone by the Dallas Cowboys," said Rams owner Carroll Rosenbloom, and with those words were launched what could be the most important talent search in football history: that for the new Rams Cheerleaders.

The Los Angeles Rams will put together a cheerleading squad of 20 girls that will *hopefully* outshine the Dallas Cowgirls in all areas, and with Los Angeles to draw upon, it shouldn't be impossible. Any girl over the age of 18 is eligible and by calling the Rams office at 277-4700 she will receive all of the necessary information. The girls will be paid for their cheerleading activities, receive national publicity and have the opportunity to make a great deal of money in personal appearances.

## We Never

### Drink...Vine.

Caltech is having its blood drive on April 5, 6 and 7 (that's next Wednesday, Thursday and Friday, for those of you whose calendars ran down over vacation), from 11:00 am-3:30 pm, in Dabney Lounge. Among other incentives for those of you with spare blood and a thirst for other things is the fact that the house donating the most blood will receive 1/2 keg of beer or root beer. If possible, make appointments in advance, by means of appointment cards or by calling Coleen at ext. 2375.

## Leakey Lecture

Mr. Robert Ardrey, the controversial author of "African Genesis," "Territorial Imperative," and "The Hunting Hypothesis," will discuss hunting and meat-eating and the "spiritual animal," in Beckman Auditorium, on Tuesday, April 4, at 8 pm, as a part of the Leakey Lecture Series. Mr. Ardrey will also discuss whether arts and religion could ever have come about in a non-aggressive species, and some of his surprising conclusions concerning Ice Age Man and his inheritors.

Tickets to this lively lecture are available at the Caltech Ticket Office.

## Tippecanoe and Thurber II

The New Yorker magazine's late, great James Thurber, disguised as veteran actor, William Windom, returns to Caltech's Beckman Auditorium on Saturday, April 1, at 8 pm.

With that capacity for submerging himself in the character, dreams, wit, and compassion of his favorite American humorist, William Windom's Thurber II program picks up where last year's standing-room-only performance of Thurber I left off, with some freshly mined anecdotes and cartoons by and about this century's great humorist, Jamer Thurber. There may still be a few tickets available at the Caltech Ticket Office, so run right over.

## Spring is Here.

### The Madrigal's in Bloom

Madrigal groups—school, church and independent—are heartily welcome to join in the pomp and pageantry of the 16th Annual Renaissance Pleasure Faire and Springtime Market. The Faire opens April 22, continues for six consecutive weekends including Memorial Day, and seeks Madrigal groups to perform Renaissance music. All groups singins will be admitted free of charge and are welcome to enjoy and participate in the pleasures of the Faire after their performance.

The Renaissance Faire is an authentic re-creation of the sights, sounds and smells (well, maybe not all the smells) of an Elizabethan country market. Groups interested in performing must wear costumes of the period and may not sing any music written after 1620.

For further information, contact Ernie Caswell, The Living History Centre, P.O. Box 46070, Los Angeles, CA 90028; (213) 466-3381.

## Remember The College Bowl?

Well, it's making a comeback. If we can hold ten intramural games to determine our champions by April 1st (oops!) they'll be eligible for eliminations, which can lead to the all-expenses paid nationals at Miami Beach and who knows what else. If you are at all interested, see Marc Wold, Lloyd 126 immediately.

## Stud Shop Meeting

All student shop members past, present and 3rd term, should be at the Student Shop (next to the gameroom in the basement of Winnett) to turn in their old keys and get their new ones. It will start at 2 pm this Saturday, April 1 (no fooling). Committeemen should be there by 1 pm. For more information, contact Dave Sivertsen, x2173.

## Martian Chronicles

All of you lucky devils who won the Caltech Y's lottery for *Martian Chronicles* tickets have to come pay for them before next Wednesday the 15th or they will be used to take other people's girl-friends to go see it. If you did sign up and don't know if you won, don't hold your breath until you turn blue, just come to the Y office and we'll tell you the good news or present condolences.

## Studenski Award

The Caltech Y is once again accepting applications for the Paul Studenski Memorial Award.

Paul graduated in 1972 after five years at Caltech with both a BS and an MS in electrical engineering. But Paul was uncertain about his future. He had developed an interest in biophysics and a young woman. He questioned how he could use his abilities to help people. He needed a new perspective. He needed to get away from the academic community for a while to get a fresh view of his life, his future, himself. After graduation he travelled about Europe and the U.S. with his girlfriend, Jean, looking, listening, and learning. By mid-summer 1973 he had reached the end of his intrapersonal journey. He was going to marry Jean. In August on a lonely two-lane roads in Kansas their Volkswagen was struck by a truck, and both Paul and Jean were killed.

The Paul Studenski Memorial Fund was endowed with his inheritance in order to give others the same opportunity that Paul enjoyed.

If you have had thoughts of travel, reflections, and personal re-evaluation, you could do worse than write a brief description of your plans and drop them by the Y Office. The deadline for applications is April 7.

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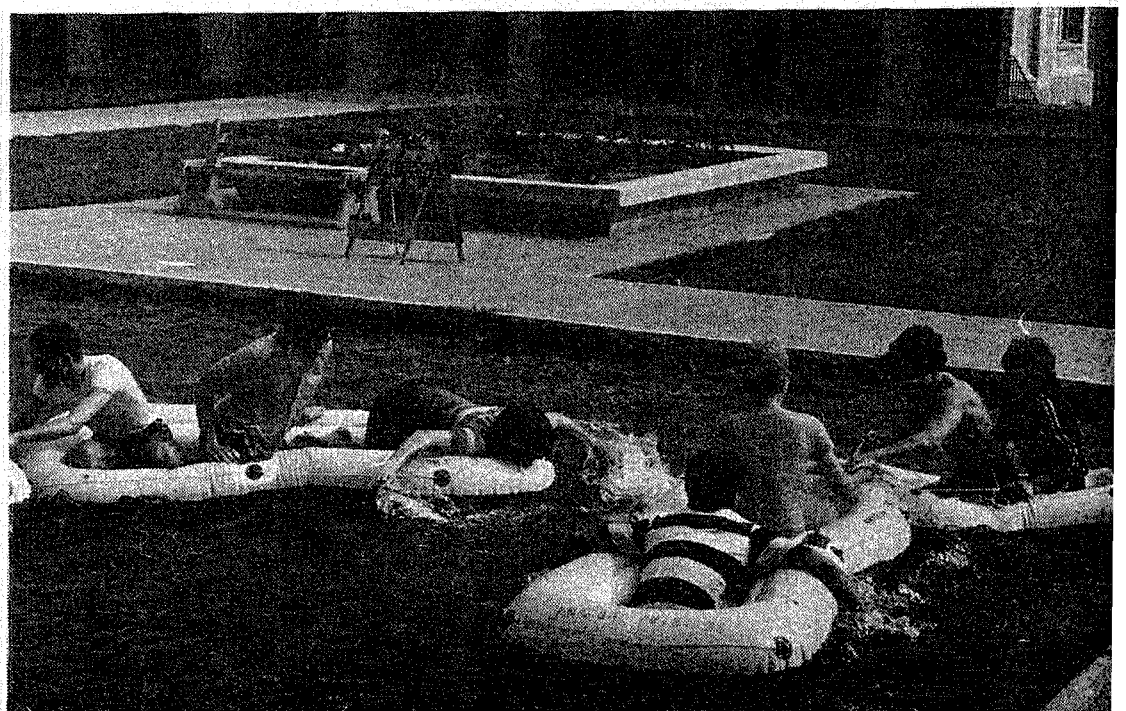
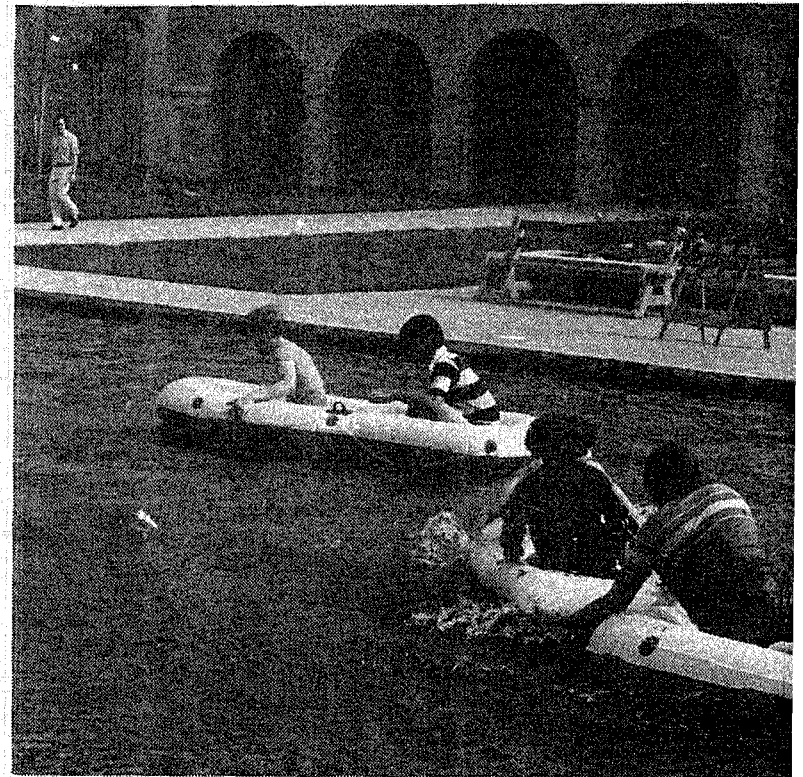
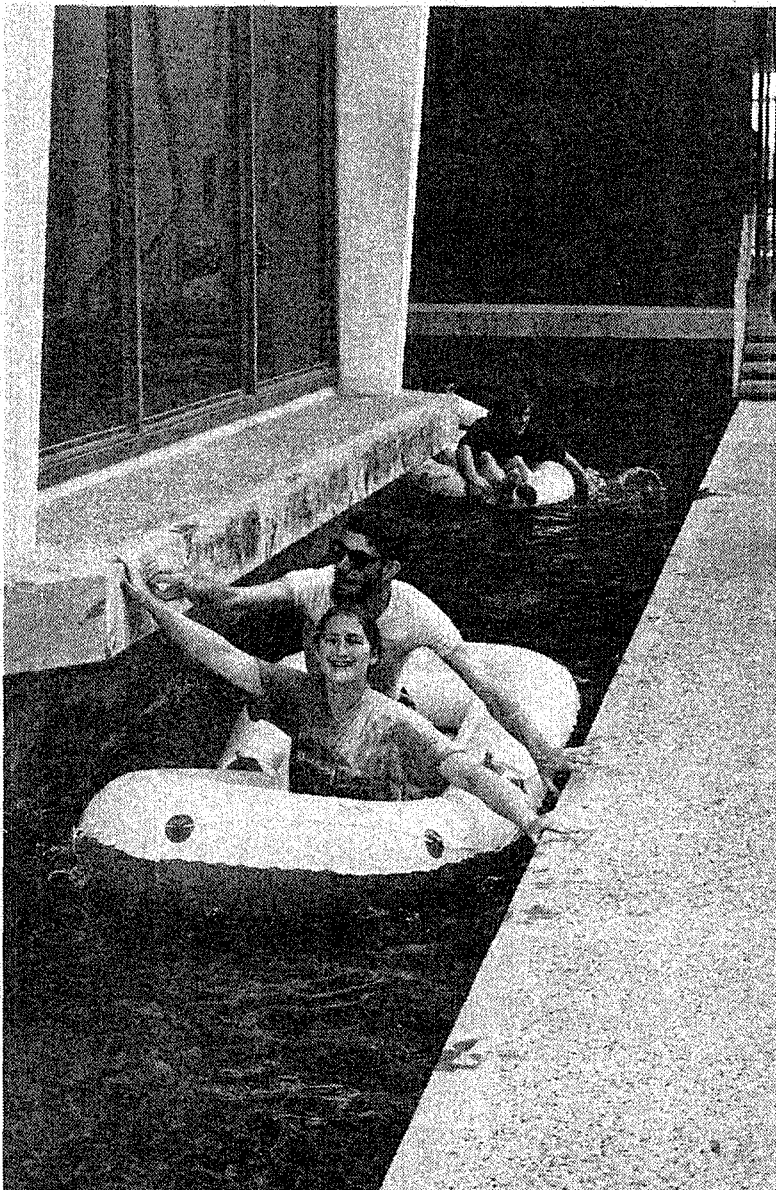
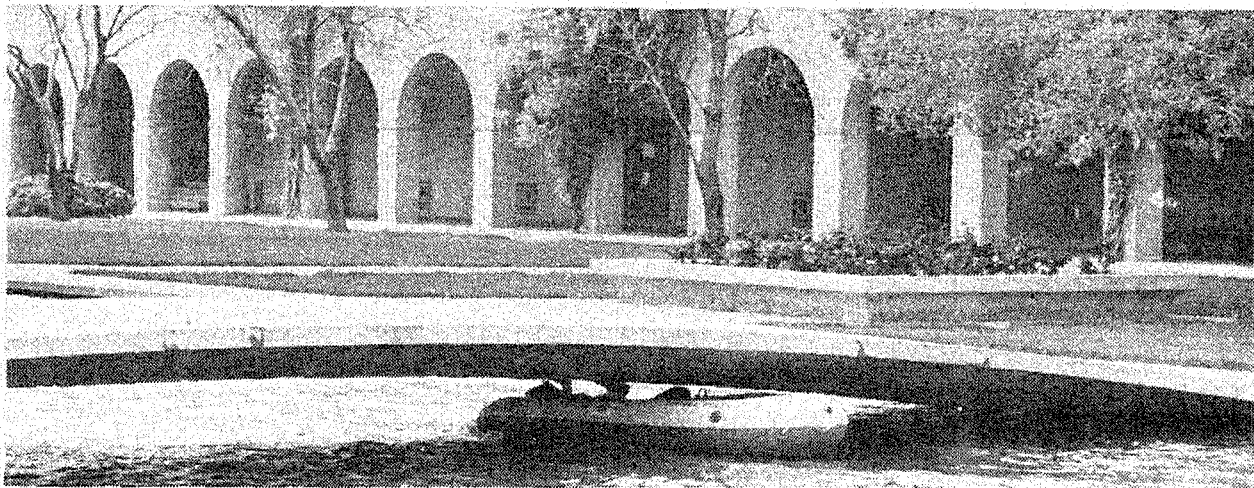


# There's NO Escape!

A group of Page Dudes[including the new house president, Izzy Lewis,(left)] tried frantically to escape from Tech this Monday past. Due to a navigation error, they missed the Rock of Gibraltar, and ended up paddling around Millikan Board Room. (just in time for a Faculty Board meeting) Undismayed by their setback, they plan to use 12 meter yachts for the next try.

Photos by

*Gregg*





# Aims & Goals

Continued from Page Two

A major topic of concern was the possible involvement of the institute in the Behavioral and social sciences. In 1967, this subject had "been discussed for approximately 10 years," and opinions were widely divergent. Some felt that the Behavioral sciences, as "soft" sciences, should be included in the areas of research covered by Caltech's activities; some felt that the behavioral sciences should be dealt with using the investigative approaches of the physical sciences, and some were firmly opposed to the involvement in the behavioral sciences in any manner.

There was widespread argument on the need for much-expanded library and data-retrieval facilities. Estimates of 1977 holdings ranged from 300 thousand to one million volumes, with some predictions of new stacks under the mall leading to Wilson Avenue.

In 1967, there was some feeling that the time had come to devote massive amounts of time and money to an attempt to rescue the present student houses from their unbearably sorry state." In one opinion, "Above all, the institute should cease to regard the houses as merely a convenience provided for those students who choose to use them and which must have room and board rates set so as not to impose any strain on the general budget."

# Quartet to Perform

The Salzburg Mozarteum String Quartet, to be presented by the Coleman Chamber Music Association on Sunday, April 9, at 3:30 pm in Beckman Auditorium, will play an all-Mozart program—the Quartets in D minor, K.421; in B-flat major, K.458; and in D major, K.499. Although this is only their second tour of the United States, the Quartet has given many concerts throughout Europe and South America.

Karlheinz Franke, first violin, who founded this renowned ensemble, and his colleagues are all leading soloists of the famous Mozarteum Orchestra in Salzburg.

Professor Franke graduated with highest honors from the State Academy for music in Cologne, and completed his studies with master classes in Paris. From 1953 to 1955, he was concertmaster of the National Theatre Orchestra in Mannheim, then First Concertmaster of the Mozarteum Orchestra in Salzburg.

Vladislav Markovic, second violin, was concertmaster of the Zagreb Opera Orchestra and later became a member of I Solisti de Zagreb with whom he toured extensively. Alfred Letizky, viola, played in the Vienna State Opera Orchestra before coming to Salzburg. Heinrich Amminger, cello, also began his career in Vienna, where he played with the Vienna Chamber Orchestra until 1955, when he moved to Salzburg.

Tickets are available at the Caltech Ticket Office.

Ohdearohdearohdear!  
"May I take you home? I like to take experienced girls home. I'm not experienced."  
"You're not home yet."

# ESC Schedule

Continued from Page One

for multiple house parties. Instead of a fixed amount per party, she would prefer half the cost up to \$100 per house. Anyone with ideas on the subject, especially house social chairmen should talk to Leila.

As far as really new ideas, Leila is planning on organizing dancing classes (is this really new?) with Mount St. Mary's College. The ESC would fund the transportation and also arrange for PE credit (wasn't this tried before?). Leila would also like to see a seven-house event every term and perhaps a beer blast ['corporation meeting'—ed.] every two weeks for people to come and socialize over. Basically she's got the money and it's up to you to use it to your best advantage. Go talk to her and give her ideas. The ESC comprises almost 25% of the ASCIT budget and it's your money.

Moving away from social events, the next order of business is the Dir. Ac. Aff., Jeff Copeland. Jeff is in charge of the EPC (educational policies committee). The big responsibility of this body is the TQFR (teaching quality feedback report). The report is an attempt to evaluate, in the student's opinion (whose opinion matters more?), the courses, and the faculty teaching them. The basic questions are the result of a study by Hildebrand of UC Davis. This gentleman determined the qualities that could separate

good teachers from bad. His main areas of questions are 1) Clarity and Organization, 2) Enthusiasm, 3) Command of Subject, 4) Instructor-Group Interaction, and 5) Instructor-Individual Interaction. In the past the TQFR has used (1), (2), and (5).

Jeff feels that it's ridiculous to evaluate the Individual Interaction for a class of 160 people. In an attempt to gear the questions more to courses, questions will depend on the class size. As usual the numerical data will be left in. An attempt will also be made to try some interesting correlations among the responses. Jeff admits that he doesn't know how classes were selected to be evaluated, but he said that a minimum of five responses are needed to get into the TQFR. In addition he stressed the point that at least 25% of the people in the class must respond to get statistically defendable results. He would also like to see a differentiation made of lab, lecture, and seminar classes.

One complaint about the TQFR has usually been that it provides no positive incentive for professors to teach better. An ASCIT teaching award does not command respect in academic circles.

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□□□□□□□□□□□□□□□□

Egad!

"So you want to marry my daughter, eh, young man? That's ridiculous. Preposterous. Why, you couldn't even keep her in underwear."

"You haven't been doing too well yourself, sir."

# More Sex

Continued from Page One

undergraduates. The Playboy and Kinsey questions were used as models so that any data resulting from this poll could be compared to the more widespread data compiled by the Playboy Foundation and Kinsey. *The Hite Report*, by Shere Hite, was also used in formulating the questions, but in a much more general sense as Hite's survey is a highly subjective, essay-type questionnaire.

Six hundred copies of the final three-page questionnaire were printed, and batches of fifty or more were distributed to each of the seven undergraduate houses at Caltech, over a two day period near the end of first term. Manila envelopes were used to collect the completed questionnaires, one posted in each undergraduate house. Over a five day period, approximately 175 completed questionnaires were collected, representing between one-fifth and one-fourth of the Caltech undergraduate population. In addition, about 100 questionnaires were passed out on two separate afternoons on the main quad of the campus at Pasadena City College. Over fifty completed questionnaires were collected from Pasadena City College. In all, close to 250 completed questionnaires have been collected from Caltech and PCC combined.

The first question to consider is who filled out the questionnaires. Being on sexuality, it is an extremely personal and probing questionnaire. Despite the absolute confidentiality of the poll (names were requested to be left off and the manila envelope could only be opened by this author under the protection of the honor system), it is in many ways a biased poll. In handing

them out around Caltech, I was confronted on a number of occasions by self-proclaimed virgins asking me what they could fill out on the form. In truth, the questions are clearly geared toward the more sexually experienced, and this must be kept in mind in any analysis of the results. Filling out a paper full of 'nos' is in no way an interesting task, while people with more diverse experiences and answers can actually look forward to putting down some of their escapades in the poll. Thus, the slant of the poll towards the sexually more experienced individuals is an obvious fact.

On the campus at PCC, the questionnaires were presented in person to students walking through the campus. This author would approach a perfect stranger and request that they spend ten minutes or so in filling out a questionnaire on sexuality and sexual mores. It was explained that the poll was for a term project in a psychology class at Caltech. The non-random selectivity of this method is obvious, yet it was the most feasible and plausible way of obtaining a PCC response in such a short time. Many people stopped and looked over the questionnaire and decided not to fill it out. They were in some way or another turned off by the poll, and so a certain sample of people at PCC was selected out of the data of the poll. The extremity of this type of response was seen in two incidents in which the poll and the pollster were referred to as being very sick. Still, on the whole, most of the complete strangers (male and female) that I ran into were more than willing to fill out the questionnaire when and if they had the time. The diversity of responders from my PCC crusades ranged from a 16 year old San Marino High School student registering for some extra classes, to a student at the Fuller

ASCIT Movie Schedule	
3-31-78	The Front
4-7	The Seven-Percent Solution
4-14	Murder on the Orient Express
4-21	And Now for Something Completely Different
4-28	The Magnificent Seven
5-5	Three Days of the Condor
5-12	The Midnight Cowboy
5-19	The Last Detail
5-26	Marathon Man
6-2	?????????!
9-29-78	Blackbird
10-6	Slaughterhouse 5
10-13	Casablanca
10-20	Little Big Man
10-27	One, Two, Three
11-3	Kentucky Fried Movie
11-10	Bananas
11-17	Lenny
11-24	Zardoz
12-1	Patton
12-8	The Three Musketeers
1-12-79	Silent Movie
1-19	Take the Money and Run
1-26	Woodstock
2-2	Swashbuckler
2-9	Heartbreak Kid
2-16	Paper Chase
2-23	Phantom of the Paradise
3-2	Last Days of Man on Earth
3-9	The Odessa File

# ASCIT Propaganda Returns

By D. P. Throte

This week the new movie regime assumes control of the ASCIT propaganda machine. The old chairman has been quickly and neatly disposed of. The new chairmen anxiously await their first chance to meddle with the malleable minds of the metamorphic masses (not to mention their money).

Seriously, friends, the ASCIT movie this term will try to bring you a schedule of unequalled excellence. This is possible partly due to the ASCIT BOD's increased financial support (up 30% over last year), and also due to expectations of improved attendance (if this doesn't work, we're in deep shit). It is not unreasonable to expect better attendance, actually, considering that several of the movies are still playing at "real" theaters (at unreal ticket prices!). Other films on the schedule, though not as recent, are also very appealing features.

In case you are not already familiar with the ASCIT movie, it's held in Baxter Lecture Hall (the same place as Cinematech) every Friday night. There are usually two showings, one at 7:30 and the other at 9:30 (check the weekly *Tech* ad to be sure). A great feature of the ASCIT movie is its low price. After many years admission is still only 50 cents cheap for ASCIT members, \$1.00 for everyone else.

If you would like more information on the movies to be shown, see the list in this issue of the *Tech*, or the flyer, which is on bulletin boards everywhere. Remember, four out of ten nerds surveyed preferred the ASCIT movies to physics quizzes.

Seminary, and even two wonderfully friendly middle-aged (39 and 45) ladies who were still interested in furthering their education by taking classes at PCC. In contrast, the Caltech responders were evenly distributed among the four undergraduate classes and ranged across a much narrower age spectrum.

This is the first in a series of articles in which the results of this comprehensive poll will be shown and discussed. After exhaustively tallying nearly 250 questionnaires by hand, the results were divided into eight major subpopulations or classes. These eight subpopulations are as follows:

- 1) PCC males—33 responders
- 2) PCC females—27 responders
- 3) Caltech males—149 responders
- 4) Caltech females—28 responders
- 5) Caltech Freshman males—36 responders
- 6) Caltech Sophomore males—45 responders
- 7) Caltech Junior males—37 responders
- 8) Caltech Senior males—31 responders

It is the intent of this author that by publishing the data from this poll it will encourage an open and general discussion on some of the results. Any interpretations in this article on the results of this poll are solely the opinion of the author. However, I would like to strongly encourage any feedback both negative and positive on any aspects of this poll. A good medium for such feedback would be in the letters to the editor.

(So stay tuned next week for the continuing saga of young lust and/or love at Caltech—ed.)

□□□□□□□□□□□□□□□□

Gad!

"I heard you call her your little billiard ball the other day."

"Yes, when you apply the right English, she has a wicked wiggle on the cushions."



## News

### CIT Guitar Classes

Caltech will again offer Classical and Flamenco guitar classes with guitarist Darryl Denning on Tuesdays beginning April 4. Classes will meet in Fleming Music Room with the Beginning Class at 4:30 pm and the Intermediate-Advanced Class at 5:30 pm. Classes are free of charge and are open to Caltech students. Other members of the Caltech community may be admitted with approval of the instructor. For further information call 650-1692.

### Beyond 95

If AMa 95 is not doing it for you then try Arica Psycho-Calisthenics, which promises increased happiness, greater vitality and energy. Great. For four free workshops to be held on Tuesdays and Thursdays in the evenings from 7:30 to 8:30 beginning April 11. Sign up for enrollment in the Y office. Hurry.

### More Jobs

The following companies will be on campus to interview all degree candidates for possible employment during the month of April:

5 April—Hughes Aircraft Co. (Radar Systems Group and Electro-Optical & Data Systems Group, Culver City)

7 April—Transaction Technology

12 April—Science Applications, Compucorp

18 April—IBM

19 April—Westinghouse Electric Corp.

Sign-up for interviews is in Room 8, Dabney Hall.

### Women Students

The Aerospace Corporation is planning a Seminar for women in the Engineering Sciences on Saturday, April 22. It will be held from 8:30 am to 3:00 pm at their plant in El Segundo.

The Seminar will examine opportunities for women in engineering and the physical sciences, focusing on the experiences of women engineers and scientists employed by the Aerospace Corporation, a not-for-profit Federal Contract Research Center. All interested women students are invited to attend.

Lunch will be provided so preregistration is essential. If you are interested, please contact Sally Ghan in the Placement Office, Room 10, Dabney, no later than Friday, April 14.

Gad!

He: "Honey, let's go out and have some fun this evening."

She: "Okay honey—and be sure to leave the light on in the hallway if you get home before I do."



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### Hockey

Continued from Page One

accumulated 18 goals and 13 assists. Second place goes to Rick Lye with 9 goals and 20 assists with Fred Culick finishing a close third with 8 goals and 20 assists. These three "Top Beavers" (otherwise known as the STYLE STUDS) comprise Tech's most productive offensive line in the club's history. Wood (who plays centre between Culick and Lye) has been traded to Michigan State for their top three draft choices

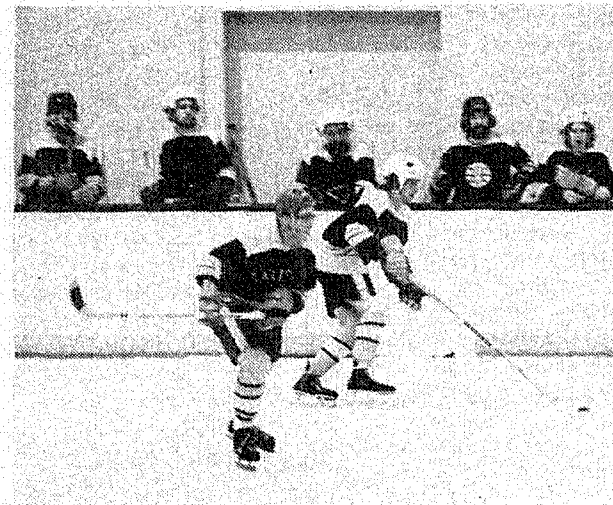
next year, and he will be dearly missed for the post season games. Both Culick and Lye have been deeply depressed since their "Main Man" departed.

Other team stats showed that Caltech outscored their opponents by a ratio of 1.53 to 1, and that they hit 20% of their shots on goal. Goaltender Dick Junghans averaged 3.23 goals against and made an average of 13.7 saves per game, with back-up goalie Cliff Brown turning in a 4.8 goals against average.

left: John Rodgers winds up for a slap, defender shudders in terror, and the Tech bench looks on in apathy.

below: Andy Gellman (handling the puck easily with one hand) and Norm Bobroff start up ice. The Caltech bench in the foreground looks on hoping the two Beavers will not fall in front of the camera.

Photos by A. Bricks



## What's it like to be an engineer at IBM?



**Bill Kleinhofer**

BS/Electrical Engineering '72  
University of California, Santa Barbara  
MS/Electrical Engineering '77  
University of California, Santa Barbara

"The technical vitality here at IBM is attractive for young engineers looking for a future."



**Evelyn Gratrix**

BS/Electrical Engineering '74  
University of Washington

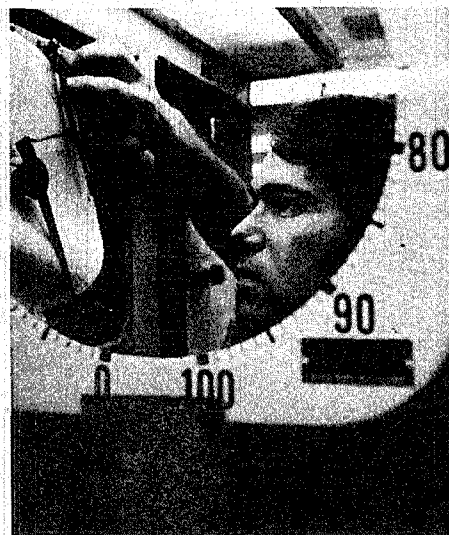
"Career achievements are not determined by competition between individuals but by the capabilities and ambition of each individual."



**Doug Brooms**

MS/Mechanical Engineering '72  
Stanford

"The atmosphere is relaxed and informal, quite distinct from the dark suit and tie image of IBM. The people as a whole are congenial and cooperative."



**Ric Davis**

BS/Mechanical Engineering '68  
University of California, Davis  
MBA '76, University of Santa Clara

"IBM has provided me with all that I've desired in an engineering career."



**Homer Dean**

BS/Mechanical Engineering '72  
San Diego State

"IBM has elevated my responsibilities as fast as I was willing and able to accept them."



**Tony Spear**

BS/Electrical Engineering '77  
Purdue University

"IBM encourages me to challenge the accepted ways."

If you could talk with some of the engineers who have joined us recently, you'd hear some good reasons for working at IBM. Our people are given responsibility for projects as soon as they can handle it and they have the freedom to carry their projects through to completion. There's a lot of room for personal growth and outstanding opportunity for advancement because we make a practice of promoting from within. If you'd like to know more about IBM, contact: H.A. Thronson, Corporate College Relations Manager, IBM Corporation, 3424 Wilshire Boulevard, Los Angeles, CA 90010.

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**We will be interviewing at Cal Tech, April 18, 1978.**



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JZ 35041 Dynamic new vocals complimented by a fresh progressive musical direction makes for a super-charged third LP by this hot rock & roll group.

## RUSSELL DASHIELL ELEVATOR

including:  
Direction  
Oh My Wild Love/In The Fire  
Top Of The World/Come On



JE 35074 Last year, *Rolling Stone* called Russell Dashiell an ace guitarist. This year, he's recorded his first solo album—"Elevator." Listen and find out why.

## HOUNDS UNLEASHED

including:  
Drugland Weekend/Janine Tangerine  
I'll Be Your Magic Man  
When The Boppers Turn To Rockers  
The Alleys Of Love



JC 35085 Blistering music from Chicago's premier rock and roll band in their long-awaited powerhouse debut.

## ELVIS COSTELLO THIS YEAR'S MODEL

including:  
No Action  
Radio, Radio  
The Beat  
Lip Service  
Hand In Hand  
This Year's Girl



JC 35331 Elvis Costello's incredible second album follows hot on the heels of his hit album, "My Aim Is True." Elvis is the most-talked-about, written about new artist of 1978.

## Nigel Olsson

including:  
Rainy Day/Say Goodbye To Hollywood  
You Know I'll Always Love You/Please Don't Tease  
Cassey Blue



JC 35048 Nigel Olsson, one of the world's premier rock 'n' roll drummers, shows that he is also a gifted vocalist and songwriter with this album of powerful songs.

## Frank Marino

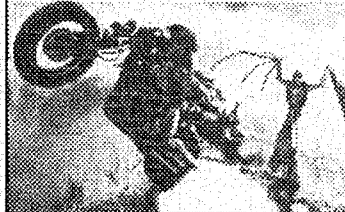
## MAHOGANY RUSH LIVE

including:  
Purple Haze/Dragonfly  
Johnny B. Goode/A New Rock & Roll/The Answer

JC 35257 With this "Live" LP, Frank, Paul, and Jimmy give us a present of all their hottest tunes, recorded where you like them best—on the concert stage.

## MEAT LOAF Bat Out Of Hell

including:  
Heaven Can Wait/For Crying Out Loud  
Bat Out Of Hell/Paradise By The Dashboard Light  
Two Out Of Three Ain't Bad



PE 34974 Brilliant vocals by Meat Loaf. Classic songs by Jim Steinman. Spectacular production and guitars by Todd Rundgren. "Bat Out of Hell" is the album where rock & roll dreams come true.

## WALTER EGAN NOT SHY

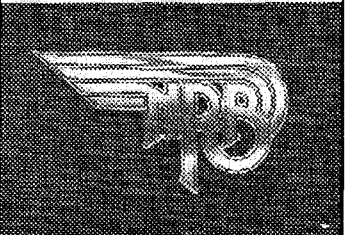
including:  
Sweet South Breeze/Magnet And Steel  
Finally Find A Girlfriend  
Star In The Dust/I Wannit



JC 35077 This is the second album from one of the brightest new stars of 1977. It is another spectacular collection of fun rock tunes and personal lyrics.

## THE NIELSEN PEARSON BAND

including:  
Whatever I Have To Be  
Wasn't That The Love/Pack Up Your Goodbyes  
I Need A Song/Best Times



JE 34984 Reed Nielsen and Mark Pearson have put together a collection of 10 great songs and some of their already-famous musician friends to give you one of the finest albums of the year. Take a listen.

## WET WILLIE MANORISMS

including:  
Rainman Street Corner Serenade  
Make You Feel Love Again/Don't Turn Me Away  
Let It Shine



JE 34983 Recorded in the rural countryside of England, Wet Willie brings a whole new accent to their music with "Manorisms."

## DRAGON

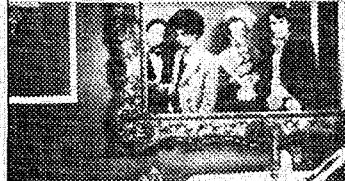
including:  
In The Right Direction  
Get That Jive/Same Old Blues  
New Machine/Street Between Your Feet



JR 35068 After two platinum albums in Australia, Dragon has finally reached the shores of America. This is the album that made them the #1 group on that continent.

## CAFÉ JACQUES ROUND THE BACK

including:  
Meaningless/Dark Eyed Johnny  
Sands Of Singapore  
Ain't No Love In The Heart Of The City  
Farewell My Lovely



JC 35294 This exciting new band from Scotland has been picked by both *Record World* (U.S.) and *Melody Maker* (U.K.) as New Artists To Watch For In '78.

## BRAINSTORM Journey To The Light

including:  
We're On Our Way Home (Parts 1 & 2)  
Loving Just You/Brand New Day  
Every Time I See You/I Go Wild!  
Journey To The Light



JZ 35327 Brand new from Brainstorm—an explosive high-powered storm of soul and disco excitement. A must for partyin' or just plain groovin'.

## NICK LOWE PURE POP FOR NOW PEOPLE

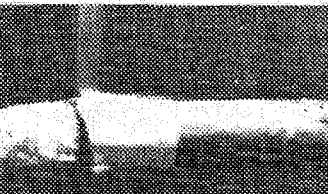
including:  
So It Goes/Heart Of The City/They Called It Rock  
(I Love The Sound Of) Breaking Glass  
Nutt'd By Reality



JC 35329 The producer of Elvis Costello strikes out with his own songs, "...so precisely crafted that it often seems he has a direct line to heaven's immaculate juke-box." (*Melody Maker*)

## Mark Colby Serpentine Fire

including:  
On And On/Daydreamer/King Tut  
Renegade/Rainbow Wings



JC 35298 Vibrant, soulful saxophonist Mark Colby makes an important debut as some of the world's top musicians assist his interpretations of melodic pieces and progressive inventions.

## MIKE FINNIGAN BLACK & WHITE

including:  
Just One Minute More/Expressway To Your Heart  
Sailfish The Words I Could Never Leave You



JC 35258 With a background that reads like a Who's Who of rock and roll, Mike Finnigan steps into the spotlight with a stunning debut album.

## THE SUTHERLAND BROTHERS DOWN TO EARTH

including:  
One More Night With You/Ice In The Fire  
Sunbird/Dark Ship/Every Tear I Cry



JC 35293 A rich recording of ten new original selections written by Iain and Gavin Sutherland. It features the distinctive vocal harmonies that make their music impossible to resist.

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## Find a Summer Job

A review of summer job opportunities for college students at Guest Ranches, National Parks and recreation areas for this coming summer looks good.

Job opportunity analysts researching opportunities for this coming summer indicate that excellent opportunities exist throughout the nation. As usual good jobs will be very competitive, however, and those applying early will have the best chance.

National Parks and supporting industries surrounding them will probably be the best potential again this year. Many new recreation facilities have started this past year in areas close to National Parks.

Private summer camps and youth retreats which operate through the summer will be hiring college students as counselors and general employees.

College students should be advised that many good jobs go unfilled as a result of general apathy and lack of interest on the part of many students. Some good opportunities go unfilled because students don't bother to apply.

Direct response from aggressive students indicate excellent pay, rewarding experiences and opportunities for future employment.

Students and graduates who are sincerely interested in receiving assistance in locating summer jobs may send a self addressed stamped envelope for a FREE booklet to Opportunity Research, Lock Box 730, Coeur d'Alene, ID 83814, or simply stagger into the placement office, Room 8 Dabney Hall.

## EPC Plans

Continued from Page Five  
circles. To circumvent this problem, Jeff would like to see a negative incentive for teaching bad. Trying to be diplomatic is difficult. One suggestion is to use a 'turkey' stamp like the 'star' stamp used for good courses. If the professor isn't interested in seeing stars above his class, he just might be interested in not being publicly chastised.

Another complaint is that lower divisional classes that everyone must take are rated while higher numbered classes are not there. This makes it impossible for a junior or senior to use the TQFR as a guide for selecting classes. Jeff can only offer the answer that people will have to turn in the questionnaires for all the classes they rate. Jeff would also like to add that students should not feel the faculty is deaf to the results. Dean Owen regularly uses the report in dealings with the administration and faculty.

Besides the TQFR, the EPC does have other functions they can perform if they want to. The idea in creating the EPC originally was to give the students a sort of ombudsman. Jeff feels that if a professor acts unreasonable in regards to scheduling exams or is generally unresponsive to the students, then it is the place of the EPC to step in and deal with the professor (how about a pair of lead shoes?). According to Jeff this has happened and is usually successful for the students. If you have complaints about a class talk to Jeff (please only reasonable complaints and only after you've tried a more direct approach) or sign up to be on the EPC.

## Brief's

### Prize Scholarship

Application forms for Prize Scholarships for Sophomores and Juniors (next year's juniors and seniors) are now being accepted. The deadline for applications is April 14.

Between 25 and 35 scholarships will be awarded; the amounts (ranging up to several thousand dollars) will vary according to perceived merit, according to Peter Fay, the committee chairman.

The committee (consisting of seniors) will distribute the prizes on the basis of merit, not on the basis of financial need.

### What's the WATS line?

The Wats line chairmanship is open. It pays money, and if you want more details, see Steve Smith in Dabney. Sign up on Flora's Door.

□□□□□□□□□□□□□□□□□□□□

### Gad!

So this is what they used for space filler back in the 1950's.

— ed. Bielecki

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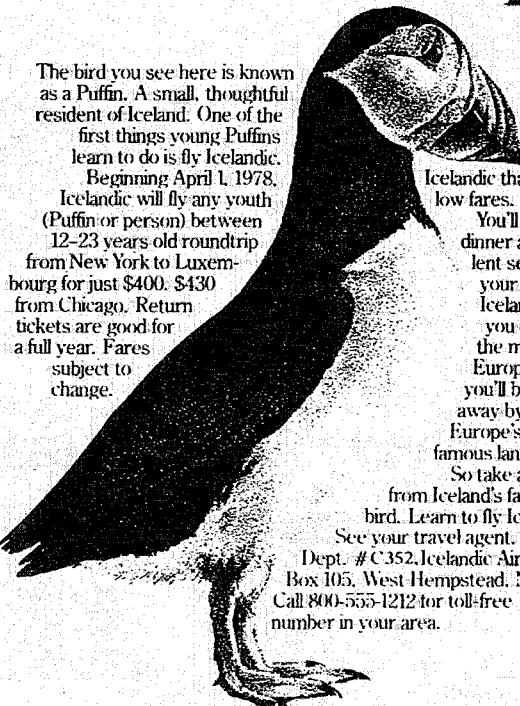
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