Vocabulary of Music
To be Taught
Harith Rao has been appointed Andrew W. Mellon Professor of Music at Caltech.

A composer and instrumental music performer, Rao is the long-time associate of Indian sitarist Ravi Shankar. Rao came from his native India to study classical Indian music in the United States.

In one of his two classes here, "Music Culture of the World," Rao will present a survey of Indian, eastern, and western instrumental and vocal music. Rao will also teach a class in abstract composition.

"For Americans and Europeans used to the two-four and four-four time systems of Western music, a single experiment on the tabla (Indian drum) with the rhythmic patterns of Indian music can be fascinating," he says.

Rao was born in 1925 in the southern coast of India. He is a Parsi Brahmin, an ethnic group with roots extending throughout India. At 16 he began studying with Shankar, and for the past 50 years has been associated with his teacher not only as student, but also as manager, a close friend.

"At Caltech I hope to find students who are interested in a wider variety of cultural music and those who are interested in creating music," Rao says.

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

Meet the Cadre
By Michael Kerull
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 the assignment of talking with your elected officials, and our house can’t keep up with the staff. Our house has been a place of study and fun. Still, a few statistical facts might help in sheding some light on their fascinating questions and problems.

The questionnaire results in this poll were developed by this author from an assortment of other sources and also from personal whims. Many of the questions in this study is a number of Playbooy Foundation surveys on sexuality. In addition, some aspects of Kinsey's questionnaires on sexuality have been included. Some of the questions were even inspired by various Caltech Purity Tests, an ongoing survey of the degree of sexual experience of Caltech students.

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For this year Leila asked for $6000 for the department. This was a good environment for Tech, they enhanced communication between faculty of different specialties. Ms. Marcus cited several factors. Among the important, besides the need for faculty with less experience, did not expect to have the same candidates who would like to come to Caltech, Ms. Marcus cited factors such as the need for more undergraduate and graduate students in the arts, and the need for more faculty with less experience.

Many of the questions put to Ms. Marcus in the open meeting centered around what would represent HSS's demands before the administration. She replied that she could leave any cause that she believed in. The majority of those present (which was more than 50%) said that the addition of a professor of Philosophy would enhance the "real institute" quality of Caltech.
**Letter to the Editor**

To the Editor:

I feel compelled to assure you that not everyone who thinks space industrialization is a good idea is as insulating and frothly as Mr. Weeks. Earth's moon is no different, whether it is inhabited by carbon-based beings or not. If non-Terrestrial resources, industrialization is a good idea is, then a good idea is, then a good idea is. If it is not, then it is not. If it is, then people may come to the conclusion that they should be off-campus investors. If it is, then they may be right to ignore such an underdeveloped concept. Using "science and technology for the benefit of society" does not imply spending $200 billion on a poorly understood science-ficton concept, with a twenty year lead time. While I have no doubt that mankind will industrialize and colonize space in its own good time, I do not feel we should throw away money trying to bring the future closer than it naturally is.

I hope many members of the Caltech community will take the SPS concept seriously. It developed responsibly, and it is reasonable to think it might be okay with -Danney etc., but not with Chellums. Blacker also objected, but not strongly.

Finally, summer housing may be available in all four Old Houses, if the size was not okay with -Danney, and Ricketts and Blacker also objected, but not strongly.

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**IHCC Meeting Report**

The Hot Items from the IHCC were:

1. The discussion of the Athenaum waiters' status for next year. This year, there are five exceptions from Food Service to regular waiters, and debates on meals to other waiters.

2. A motion by Rousseau and Maclagdon that Athenaum waiters be reimbursed for food costs for meals that they wait, but for fixed costs, which varied widely, with some calling the situation can be expected: 1) Change the economics by finding improved methods or resources; 2) Change the funding situation by informing congresspeople or sending their own money, and 3) Inform the voting public of the new alternatives to present energy policies. Ralph's letter does none of these things.

3. Redundant "fans" are expected, the technology of moon orbit seems to be cheaper by all estimates. These systems require non-Terrestrial resources, while a scale demonstration of the space power satellite concept. So far, these funds have been minimal (especially with high metal compositions, transcriptions, and potential to release us from our overinflated egotism. Shower the programs. Tickets for $200)

4. The perennial question of student body size, the general consensus was that the student body could be slightly enlarged, but that the size should be sufficiently restricted so that quality could be maintained.

The opinions expressed in all articles are solely those of the authors and do not necessarily reflect the editor's or the corporation's opinion.

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**Aims & Goals- What Happened**

The future of the HSS division was then, as now, a subject of much discussion. Some suggested that a nearby sister institution be founded or that separate, full fledged Business and Social Sciences divisions be formed. Of the other hand, some felt the increased concentration in those areas would be contrary to the basic aims of the Institute. On this point, most senior research fellows were extended to leading artists, poets, and musicians.

**Bossa Nova Concert**

With a specially created program, guitarist Laurindo Almeida, lyric soprano Delta Eamon, and percussionist Chuck Flores, will give a concert in Beckman Auditorium, on Saturday, April 8, at 8 p.m.

The program for this unique Beckman "first" will include music composed by Laurindo Almeida, Villa Noce, Carlos Antonio Jobin, Debussy, Mozart, Rodrigo, and combined voice and guitar numbers by Stephen Sandheim, Richard Rogers, Kurt Weil, George Gershwin, and others.

Guitarist-composer Laurindo Almeida, born in Brazil, has been investigated, while a native Brazil. Although still deeply committed to classical music Almeida's own compositions, transcriptions, and arrangements with its soft-sounding artillery and harmonies have made him justifiably famous, and one of the most sought-after artists in the country in so many areas—on the concert stage, playing jazz with the L.A. Four, as a recording artist, and as composer and arranger in the world of theater and film-making.

Delta Eamon (Mrs. Laurindo Almeida) was formerly a featured soloist with the Roger Wagner Chorale, and has since enjoyed prime time on public television with her brilliant husband's accompaniment. Chuck Flores has won with precision in what promises to be an enchanting evening of classical, bossa nova, folk, jazz, and improvisational music.

The event is sponsored by Caltech's Faculty Committee on Programs. Tickets for the April 8 concert may be obtained at the Caltech Ticket Office.
Be On A Committee, Donut! 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&G). If you're interested in graphic arts, there's a job available at the Dabney Hall Lounge, 1:45 pm in Dabney Hall Lounge. Mr. Robert Ardrey, the chairman, will discuss hunting "Spiritual Hypothesis," "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 Leeke Lecture Series. Mr. Ardrey will also discuss several years of research into the nature, sounds, and smells of a prehistoric species, and some of his latest findings concerning Ice Age Man and his environment. Members of the public are welcome to the discussions; for the Student Lecture, $50 free and $50 per term, with the possibility of work done to the gameroom this spring. Music and Dance Auditions are being held for the Spring Musical. Auditions will be held on April 2 at 3 pm in Ramo Auditorium. There will be a special audition for the role of Joseph in the musical, "Joseph and the Amazing Technicolor Dreamcoat." A list of roles and how to audition is available at the Ticket Office. The deadline for applications is April 7. The Special: Free purple grape jelly on weekdays for students. From the House of the Week with purchase of meal. Different house each week.

Specials:

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Free root beer float on weekends for students from the House of the Week with purchase of meal.

House of the Week: Lloyd

Stud Shop Meeting

All student shop members past, present, and future, should be at the Stud Shop (next to the game room in the basement of Wininger) to turn in their old keys and get their new ones. It will start at 7 pm this Saturday, April 1, 2000. Those who do not show up will lose their keys. There will be a new key distribution and a chance to win a prize for the best key decoration. The winner will receive a $25 gift certificate to the student store. The meeting will also include an update on the current projects and a discussion on future plans.

Marian Chronicles

The Marian Chronicles, a magazine for the 21st century's most talented and creative women, is once again accepting applications for the Paul Studenski Memorial Award. Paul Studenski graduated in 1972 after five years at Caltech with both a BS and an MS in electrical engineering. He was uncertain about his future. He developed an interest in biology and ecology. 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 around Europe and the US. He discovered that he liked inner-journey. He was going to marry Jean. In August on a lonely two-lane road in Kansas their Volkswagen was struck by a truck, and both Paul and Jean were killed.

The Paul Studenski Memorial Award is endowed with his inheritance in order to give others the same opportunity that Paul enjoyed. If you have had thoughts of travel, reflection, 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.
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. 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
A major topic of concern was the possibility of establishing an institute in the Behavioral and Social Sciences. In 1967, this subject was further examined with approximately 10 years, and opinions were widely divergent. Some felt that the social sciences, as "soft" sciences, should be included in the areas of research and teaching in the behavioral sciences; some felt that the social sciences should be left entirely separate. In the end, the multifaceted approaches of the physical sciences, and some were freely open to the possibility of the visual and social sciences in any manner.

There was widespread agreement that the Mozarteum was a splendid library and drama facilities. Estimates of 777 books each at a cost of one thousand to one million volumes, with some 120,000 volumes at a time, were considered large. It was suggested that the Mozarteum be expanded to the full limit of its capacity.

In 1967, there was some discussion of the possibility of establishing a second house for the Mozarteum, to be presented to the city of Vienna. The Mozarteum was an important part of the cultural life of the city, and it was felt that the additional house would provide a new venue for cultural events.
Psycho-Calisthenics, you then try Arica
held on Tuesdays and Thursdays
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Beyond 95 promises increased happiness,
For four free workshops to be
have some
beginning April 11.
enrollment in the
Compucorp
Caltech
Classical
CIT
Technology
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Electric
Women Students
to interview all
degree candidates for possible
employment during the month of
May. The following companies will
have been traded to Michigan
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
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. Goal tender Dick Juengens
averaged 3.23 goals against and
made an average of 13.7 saves per
game, with back-up goalies Clay
Brown turning in a 4.8 goals
against average.

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 obtaining a close
third with 5 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

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

Bill Kleinhauer
BS: Electrical Engineering '72
University of California, Santa Barbara
MS: Electrical Engineering '73
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"The technical vitality here at IBM is
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future."

Evelyn Gratix
BS: Electrical Engineering '74
University of Washington
"Career achievements are not determined
by competition between individuals but by
the opportunities 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
cordial 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."

Hamer 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 comple-
tion. There's a lot of room for personal growth and outstanding opportunity for advance-
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IBM Corporation, 3424 Wilshire Boulevard, Los Angeles, CA 90010.

We will be interviewing at Cal Tech, April 18, 1978.
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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 opportunities may be available for students interested in working at guest ranches, national parks, and other recreational areas around the country. For example, the National Park Service is currently hiring for positions such as naturalist, guide, and concessionaire. The deadline for applications is April 15.

Between 3,000 and 3,500 scholarships will be awarded; the amounts (ranging up to several thousand dollars) will vary according to need and merit. The committee is also appointing a committee of students to help with the selection process.

The committee (consisting of seniors) who will distribute the prizes will have complaints about a pair of shoes, but the committee itself is free of charge. The deadline for applications is April 15.

For more details, see the Job Search Office in the Placement Center. For more information, call 2-3518.

EPC Plans
Continued from Page Five
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 course, he might just be interested in being publicly blamed.

Another complaint is that lower division classes that everyone must take are rated while higher numbered classes are not. This makes it impossible for a junior or senior to use the TOFR 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 pressure of doing the questionnaire.

Besides the TOFR, the EPC does have other functions that they can perform if they want to. The idea in creating the EPC was originally 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 loud 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.)

Classified Ads

Visiting Faculty Members needed for Parish in April until July 31. Please contact Mr. D. Cleary, ext. 813.

Teachers at all levels: Foreign and Domestic Teachers, Box 1232, Vancouver, Washington 98660.

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TODAY

Introducing a Distinguished
Icelandic Bird that
has the Answer
to all those Confusing Air Fares to Europe.

By Jim Angel

The bird you see here is known as a Puffin. A small, gull-like
bird found on the Icelandic coast. One of the first things you notice about the Puffin is its
the beak. This bird can be found in northern Europe, including Iceland.

Puffins are known for their colorful beaks, which change color throughout the year. In summer, the beak is bright orange, while in winter it becomes a dull yellow. This change in color is thought to be a form of camouflage, helping the bird blend into its environment.

Puffins are also known for their unique diet, which consists mainly of small fish and squid. They have a unique way of catching their prey, using their beaks to scoop up fish from the water. This is called the "twitching" method.

Puffins are important for their role in the marine ecosystem, helping to keep the population of fish in balance. They are also an important part of the tourism industry in Iceland, attracting many visitors each year to see these fascinating birds up close.

So if you're wondering what direction to fly in Europe, look to the Puffin for guidance. With its colorful beak and unique diet, this bird is the perfect answer to all your confusing air fares to Europe.

The California Tech
1300 S. San Mateo Drive
Pasadena, California 91109

February 13, 1978

Chicago Tribune

The California Tech
1300 S. San Mateo Drive
Pasadena, California 91109

March 12, 1978