Heinz A. Lowenstam 1912–1993
by Caltech Public Relations

Emeritus Professor of Paleobiology and Palaeoecologist Heinz A. Lowenstam died on June 7, 1993. He was 80.

A member of the Caltech faculty since 1953, Lowenstam studied the biochemistry of shells, teeth, and other hard parts of ancient organisms for clues about prehistoric ecology and climate. Asked about his research, he frequently referred to himself as a "professional beachcomber." In the early 1960's, he startled geologists and biologists alike with the discovery that many animals do what conventional science had considered impossible: they manufacture substances such as the iron-containing mineral magnetite within their bodies. Out of this finding came the research survey that many migratory animals, including birds, bees, and whales, may orient their magnetic compasses by using this "internal compass" that allows them to navigate by means of the earth's magnetic field.

A native of Germany, native of Germany, Lowenstam emigrated to Chicago in 1937 when, just days away from taking his Ph.D. oral exams, the Nazi regime instituted a rule that forbade the awarding of doctorates to Jews. With letters from two professors explaining his situation, he obtained a scholarship at the University of Chicago and, after a year and a half spent researching his Ph.D. in 1939.

Following work as a state paleontologist at the Illinois State Museum, a geologist for the Illinois State Geological Survey, and as a research associate and associate professor at the University of Chicago, Lowenstam joined the Caltech faculty in 1953. During his tenure here, in 1963, he discovered that sea creatures called chitons have magnetic teeth. 

In 1980 Lowenstam was elected to a fellowship in the American Academy of Arts and Sciences, and to membership in the National Academy of Sciences. The following year, he returned to Germany for the first time in 44 years to receive an honorary degree from the University of Munich, the same institution that denied him his doctorate in 1937.

Slavin appointed assistant V.P. for student affairs
by Caltech Public Relations

Sharyn Slavin has been named assistant vice president for student affairs. Prior to coming to Caltech, she served as associate dean of student affairs and director of campus life at USC. Slavin worked in various positions in student life and career development, including being director of University of Southern California's Office of Student Life and Career Development Center. She held that position until 1988, when she was named assistant dean, later becoming associate dean.

"I am delighted to be at Caltech and I am looking forward to working with the students, staff, and faculty in a place where academic rigor is the norm," said Slavin.

"Everyone in student affairs is excited about Sharyn taking this position," said Dr. Gary Lorden, vice president for student affairs. "There is so much variety and challenge in the work of the ten offices she's responsible for, that all of her appearance SLAVIN, page 4

Bartle-Schulweis named Women's Center director
by Caltech Public Relations

Kathleen Bartle-Schulweis joined Caltech in August as the director of the Institute's newly established Women's Center. As director, she will be responsible for identifying the needs of campus women and implementing a program to meet those needs and for promoting the education and careers of all women at Caltech.

At the University of Southern California, where she was both director of the Office of Women's Issues and the campus Women's Issues Advocate since 1989, Bartle-Schulweis developed and coordinated educational programs on rape, sexual harassment, domestic violence, and campus safety. She also developed policies and programs aimed at increasing awareness of, and sensitivity to, gender issues on campus.

"I am looking forward to working with Kathleen as director," said Bartle-SCHULWEIS, page 11
Billboards in Space

Remember the long, boring summers of childhood? All your friends had gone away to summer camp, and you had nothing to do but pick on your brothers and sit on the porch and watch the sun set.

2 September 24, 1993

ers. 1b. enhe’d but pick on your brothers and sis­
camp, and you had nothing to do

Every Saturday night, Dad would barbeque his dry,arty hamburg­ers. Then he’d make you scrape off the grill, and you’d sit back on the porch and watch the sun set. The same old stars would come out, sitting in the same spots, like tar­
nished rhinestones on a dying, old woman.

Wouldn’t you have loved to see a new light in the evening sky? There’s a company in Atlanta, Georgia with a bold, new plan to both enliven the firmament and help our nation’s economy. American companies will be able to buy orbiting billboards—wink­ling symbols of prosperity shoot­ing across the sky like meteors of
good fortune.

As always, there are star-bugging libertarians coming out in force to op­pose this innovative plan. The U.S. Congress is now reviewing a bill that would outlaw any satellite meant to be visible from the ground. The say-soyers don’t re­alize that this sort of choking of America’s competitive spirit can only hinder us in our quest to be­come the world’s leading space­farer­ing nation. Can you imagine if, 500 years ago, when the oceans were the last great frontier, the governments of Europe had banned commercial sea voyages? The American might never have been colonized, and Western civili­zation would have become an cultural backwater.

If billboards in space are out­lawed, only outlaws will have bill­boards in space.

Free Pizza

will be served at the weekly California Tech meeting next Friday

(October 1) at 12:15 P.M. in the Coffeehouse. Everyone is invited.

DON’T PANIC. YOU CAN STILL TAKE THE GRE.

Think you missed the Graduate Record Exam deadline? Relax. With the new on-demand GRE®, you could be taking the test as early as tomorrow. All you do is choose the date, you can test at your best. You can even see your score the instant you

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Letters and announcements are welcome. Letters should include the author’s name and phone number and the intended date of publication. The Editors reserve the right to abridge and edit all submissions for length, expediency, etc.

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A copy of this issue is available by e-mail at aditor@caltech.edu. The deadline for copy is Wednesday at 5 p.m. for announcements.

The California Tech is distributed free. Issues will be mailed off-campus upon re­quest of 100 per year to cover third-class postage and preparation costs.

Printed by News Type Service, Glendale.

ISSN 0008-1582

Ernest Explains

Dear Ernest,

I’ve never received so much attention from men before! There are ten guys camped outside my door, and they keep offering to help me carry my luggage and help me with my homework. What do I do?

—Frightened Female Frosh

Dear Female,

This is a common complaint of new Tcherers who happen to be women. You might try what women of years past have done; grab hold of the nearest unattached male and declare him your “boyfriend.” This way, you only have to contend with the numerous hounds of one pathetic Tcherer, instead of ten.

Dear Ernest,

It is now accepted that Vanessa Redgrave is the greatest living actress in the English-speaking world. Who do you think the greatest actor is?

—Wondering in cabin 21

Dear Wondering,

Although Dustin Hoffman and Jack Nicholson have given many great performances over the years, and despite Clint Eastwood’s sudden legitimacy, I’d have to say it is Al Pacino.

Dear Ernest,

I’ve only been at Caltech a few days, and already I’m full of questions. For example, why are the people of Blacker House called “moles”?

—Bad, rotating out of Fleming

Dear Bad,

The name “mole” does not, as most people think, come from the small, burrowing mammal. Rather, it comes indirectly from the name of den Mikkelskuchenschmehmers, a German guild of “mole beacon” craftmen during the sixteenth century. The “Mihens” were one of the first guilds outside of the f dougledging construction industry to merge with the Society of Freemasons. R. B. Blacker, the benefactor of Blacker House, was a mason, and often went by the nickname “Moly”, which, it is rumored, is a corrupted form of “Mihens” (R. B. was a well known carpenter). He bestowed his nickname upon the House in 1838 in a letter which reads, in part, “...you shall now be known as ‘moles’.”

The California Tech Volume XCVI Number 1 September 22, 1993


Tips belong to drivers.

Billboards in Space

Remember the long, boring summers of childhood? All your friends had gone away to summer camp, and you had nothing to do but pick on your brothers and sit on the porch and watch the sun set. The same old stars would come out, sitting in the same spots, like tarnished rhinestones on a dying, old woman.

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If billboards in space are outlawed, only outlaws will have billboards in space.
Australia
In a meeting with Queen Elizabeth II, Prime Minister Paul Keating presented a plan to remove the British monarch as Australia’s head of state, and the queen said that she would accept the decision of the Australian people. Keating said that the change would have to be approved in a constitutional referendum. If approved, the amendment would lead to an Australian republic by 2001.

Canada
The mayor of Cornwall, Ontario remains in hiding under police protection following alleged death threats from cigarette smugglers. Ron Martelle, a former officer of the Royal Canadian Mounted Police, said that the action was prompted by his active campaign against the illegal trade across the U.S. border.

Commonwealth of Independent States
Leaders and bankers of the former Soviet republics of Armenia, Belarus, Kazakhstan, Tajikistan, and Uzbekistan signed a treaty with Russia agreeing to tie their economies, resulting from the collapse of the Soviet republics. The signatory states have agreed to coordinate their financial policy and to establish a common tariff system, steps which will eventually lead to the formation of a free trade zone involving all six republics.

Great Britain
According to Business Age magazine, pornographer Paul Raymond is the wealthiest person in Britain, with a personal fortune of 1.5 billion pounds ($2.25 billion). The listing of the 500 richest people in the nation ranked Queen Elizabeth II as 57th, with 150 million pounds ($225 million). Raymond amassed his fortune through publication of pornography, running a topless bar, and buying up Soho property. Raymond owns about 65 percent of central Soho.

Ireland
Small bombs exploded outside the homes of four politicians from the Irish nationalist Social Democratic Labor Party in Northern Ireland early Tuesday. There were no injuries resulting from the bombs, which were reported to be small pipe bombs equipped with timing mechanisms.

Mexico
After leaving 21 dead in Honduras, Hurricane Gert struck Mexico’s Gulf Coast. Heavy property damage was reported in the coastal states of Veracruz and Tamaulipas before the storm moved westward into Hidalgo and San Luis Potosí. As it passed into the inland states, Mexico’s Meteorological Service reported that Gert had been downgraded to a tropical storm, but still capable of damage, as was demonstrated by the damage caused by flooding accompanying up to three inches of rain in the affected areas. At least 15 rivers were reported to be on the verge of flooding Tuesday morning. The storm has left a total of 41 dead in its passage through Costa Rica, Nicaragua, and Honduras.

Nicaragua
Police used tear gas to dispere striking transport workers who had set up barricades on Tuesday. The strikers are demanding the abolition of a new vehicle tax, and their activities have virtually shut down Managua for the past two days. Under pressure from the transport union, the government has reduced the tax from $100 to $50, but protesters want to eliminate the tariff, which follows a recent gasoline price increase.

Russia
President Boris Yeltsin dissolved the Russian Parliament late Tuesday and ordered new legislative elections. Citing no legal grounds for his action other than political and moral authority, Yeltsin declared that the move was an attempt to save the country from political chaos, disintegration, and catastrophe. This is just the latest event in the ongoing power struggle between Yeltsin and his opposition in Parliament.

Somalia
A team of 75 U.S. Army Rangers successfully carried out a nighttime raid early Friday against a suspected command and control center used by the forces of fugitive warlord Mohammed Farah Aidid. One Somali who aimed an AK-47 rifle at the Rangers was shot dead. There were no Ranger casualties.

South Africa
Unidentified gunmen shot and killed 24 people and wounded 53 others in two separate attacks Tuesday in and around the black townships south of Johannesburg. Police said that they had no immediate indications of who was responsible for either of the attacks.

U.S.A.
Oregon
Klamath County was declared a disaster area Tuesday after a 5.7 magnitude earthquake struck at 8:59 p.m. Monday. The quake was preceded by a magnitude 4.4 foreshock and followed by a magnitude 5.5 aftershock at 10:46 p.m. One motorist was killed by a 14-foot diameter boulder crushing his vehicle in a quake-triggered rockslide. Engineers declared several Klamath Falls buildings to be unsafe, and have begun to inspect bridges, roads, and other nearby facilities.

Texas
David Koresh update: still dead.

West Virginia
Vienna Mayor William Owens announced this week that Lambert-Tatman Funeral Homes would be opening a Vienna branch in the building formerly occupied by the R.C. Speed and Parts radio-controlled car shop. Owens has mourned Vienna’s lack of a funeral home in the past by saying, “You can’t come into the world in Vienna (no hospital), you can’t leave (no funeral home), and you can’t stay overnight (no hotels).”

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Amnesty

for human rights were honored in 1977 with a Nobel Peace Prize.

Amnesty International defends basic human rights through letter-writing, campaigns and publicity events. The organization's London-based Research Department investigates reported abuses of human rights and provides Amnesty International members with detailed information about each case. Individual members worldwide then write letters and distribute petitions, generating international pressure on government officials.

Members of Amnesty International Caltech/Pasadena (Group 22) hope that one day a political prisoner named 'Ali will be able to say just that. An Egyptian citizen, 'Ali has been held without charge or trial in an Egyptian prison for over a year, and has been tortured with beatings and electric shocks. In an ongoing campaign, the Caltech/Pasadena group is sending letters, petitions, and postcards to Egyptian officials, urging that the government investigate reports of torture and bring Ali to a prompt and fair trial.

Amnesty International Caltech/Pasadena members are also involved in letter-writing campaigns addressing human rights abuses in Laos, the death penalty in the United States, and refugee issues around the world. In addition, the group responds to regular Amnesty International bulletins on urgent human rights issues and ongoing Amnesty International campaigns. The group meets at 7:30 P.M. in the Caltech Y Lounge (Winnett Center, second floor). On the Thursday following each month's meeting, there is an informal Coffeon and Letter-Writing Hour at the same location and time. Amnesty International Caltech/Pasadena also publishes a newsletter, called "22nd Street News," to keep its members informed of upcoming events. The subscription fee is $3.

- Thursday, September 23: Amnesty International Caltech/Pasadena September Meeting. Topic: The Death Penalty. (At 7:30 P.M. in the Caltech Y Lounge, Winnett Center second floor.)
- Thursday, September 30: Amnesty International Caltech/Pasadena Coffee and Letter-Writing Hour. (At 7:30 P.M. in the Caltech Y Lounge, Winnett Center second floor.)
- Friday, October 1: Benefit performance of "Come Rain or Come Shine," a one-man show about life in Uganda during Idi Amin's reign of terror. Proceeds go to Amnesty International. (At 8 P.M. in the Pacific Resident Theatre Ensemble, 8780 Venice Boulevard between La Cienega and Robertson.)
- Saturday, October 2 through Sunday, October 10: Human Rights Film Festival. Amnesty International Caltech/Pasadena members will be organizing an informal trip to the festival. (At UCLA.)
- Sunday, October 3: "Rumors for Rights," a yard sale to benefit Amnesty International Caltech/Pasadena. (From 9:00 A.M. to 4:30 P.M., at 201 South Michigan Avenue, two blocks north of Caltech. Please contact Caltech/Pasadena Group 22 if you would like to make a tax-deductible donation of items for the sale.)
- Thursday, October 28: Amnesty International Caltech/Pasadena October Meeting. Topic: Human Rights in South East Asia. (At 7:30 P.M. in the Caltech Y Lounge, Winnett Center second floor.)
- Thursday, November 4: Amnesty International Caltech/Pasadena Coffee and Letter-Writing Hour. (At 7:30 P.M. in the Caltech Y Lounge, Winnett Center second floor.)
- Friday, December 10: International Human Rights Day.

For more information about Amnesty International or any of these upcoming activities, contact Jay Smith (jsmith@romeo.caltech.edu) at 709-8010 or Jennifer Lin (jlinde@caltech.edu) at 449-1063.

Check it out

The new HP 48G graphic calculator gives you a whole lot more for a whole lot less than you think.

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Pick up a copy at your college bookstore.

*Offer good while supplies last on purchases made from August 1, 1993 through October 31, 1993. See coupon for terms and conditions. ©Hewlett-Packard Company. PG 1500B

Open Line
by Gary Mines

Are you interested in meeting friendly and caring people from a wide variety of backgrounds? Open Line is a group made up of students, staff, and faculty from many different departments on campus, and from a variety of ethnic and cultural backgrounds. We are both an action group and a discussion group. We discuss topics related to people's well-being (from the L.A. riots, to children's rights at Caltech, whatever people bring up) and share information on our different backgrounds, and we sponsor activities that bring people together (multicultural potluck picnics), keep people informed (lectures on pertinent social issues), and help out people in need (food and clothes drives). We welcome everyone's views and ideas, and encourage people to drop in whenever they can. Our agenda is flexible and is solely determined by what people in the group suggest.

So, if you want to get yourself out of your lab, textbook, or office for a little bit and broaden your experience at Caltech, drop by any meeting and say hello! We meet from noon to 1 P.M. on Tuesdays in the Ylounge (2nd floor Winnett—feel free to bring your lunch). We will be having a special welcoming meeting on Tuesday, September 28th (noon-1 P.M., Y Lounge), and a multicultural potluck picnic (bring your friends, family, and your favorite food, "ethnic" or otherwise) on October 3rd from 12-6 P.M., at Tournament Park (located just south of the Brunn gym parking lot and east of the track). Hope to see you there!
ADAM VILLANI:
MEDIA GUY
by Adam Villani

Welcome to Media Guy. This column will be full of my opinions on a variety of subjects in the entertainment world, and there may even be a few useful items.

John Cage

Rippledigger: A Circus

John Cage died last year, but you can still see his new art exhibit at the Museum of Contemporary Art (MCA) in Los Angeles. It uses many of his ideas on indeterminism based on the I Ching. The exhibit incorporates many separate works of art arranged by various random algorithms, and the individual pieces are brought into the exhibit, moved, or removed each day. The overall effect is somewhat akin to the feeling I got when I was a little kid visiting the L.A. Children’s museum—there’s just so much to do. The first room has cabinets with hundreds of books inside their own individual drawers. All of the books looked interesting, but there’s just no way I could have looked through all of them. The other rooms are filled with a random hodgepodge of art works, many of them Cage’s. Like all of Cage’s works (I am most familiar with his music), the ideas behind the making of Rippledigger: A Circus are quite interesting and intellectually challenging, but unlike most of his other works, this one is actually aesthetically pleasing and fun.

Late Night Talk Show Wars


“Saved By the Bell: The College Years”

O.K., I actually watched the première of this show. What is it about this show? The writing is sophomoric, the acting is tepid, and it’s certainly nothing new. It’s still kind of enjoyable. Maybe it’s because this show doesn’t attempt to be meaningful like 90210, or maybe it’s because Kelly’s a babe, or maybe it’s because watching this show makes me thankful that I go to Caltech instead of “California University” with these morons.

Prog Watch

Progressive music à la Yes, ELP, Magma, early Genesis, Gentle Giant, and King Crimson has got to be the most abused form of music in the media. For a prime example, read the section on “Progressive Rock” in the Rolling Stone Record Guide. Rolling Stone’s review of Yes’s “Union” disc wasn’t a review of the album until halfway through the review, after the reviewer had finished his tirade about how prog wasn’t “real rock n’ roll.” So anyway, I shall be the anathema of rock “journalists.”

The new King Crimson project will consist of Robert Fripp (guitar), Adrian Belew (guitar), Tony Levin (bass, stick), Jerry Marotta (drums), and former Crafty Guitarist Trey Gunn on stick and guitar. Two stick players in one band! Unfortunately this project has been delayed (sigh) because Fripp is tending to his ailing mother. Don’t come whining to me about Bill Bruford not being in on this project, because you won’t get any sympathy.

The new Yes studio album has been delayed and will hopefully be good. Steve Howe’s latest, “The Grand Scheme of Things,” is out, and he sings on it, so be warned. The money-grubbing scam at Atlantic are putting out a new Yes greatest hits album, and there seems to be an orchestral Yes project coming soon involving Alan Parsons.

Caltech Jazz Bands

Concert Band

Chamber Music

Auditions for new members will be held

Saturday, Sept. 25 2-5 PM
Sunday, Sept. 26 7-10 PM
Monday, Sept. 27 4-6 PM

in room 12, Student Activities Center, located under Fleming House.

There is a sign-up sheet on the door of room 12.

All are welcome, regardless of previous experience.

Questions?
Call Bill or Dolores Bing at (213) 684-8964 or x6198.

You Have What It Takes
To Be a Member Of The
Women’s Glee Club!

You are an Undergraduate student, graduate student, Post Doc or a Caltech/JPL staff member and female.

You have a sharp mental attitude
You have a smile and need for music in your life
You can handle stresses and rhythms at the same time
You can wear many styles of shoes for different locations

ANATOMY OF A GLEE CLUB MEMBER
You have, make, count and keep time
You enjoy the benefits of being on a great team
You can stand still even though the music is exciting

TRYOUTS
SUNDAY, SEPTEMBER 26, 1-4 PM
MONDAY, SEPTEMBER 27, 2-5 PM
Student Activities Center, Room 1. For additional information call Monica Hubbard at x5260 or 797-5912.

ADAM VILLANI: MEDIA GUY

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You can wear many styles of shoes for different locations

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Sept. 25 & 26 For more information, call 356-0020 and ask for Dan Dilling ("Rudy!!!")
1-5 p.m. Winnett Lounge
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Welcome to Caltech. Contrary to what many upperclassmen may be telling you, it is possible to enjoy yourself here. In fact, you will soon be a part of one of the most exciting and tiring annual events at Tech: Rotation. On the following pages is a schedule that will tell you where you are to eat each day. It is very important that you go to each meal, or you will be counted absent and bad things will result.

Also contained in this supplement is a map of our area of Pasadena, listing a few of the many restaurants and shops in the area. We encourage you to go off campus and explore L.A. as much as possible.

Your pal,

Mike Benedetti

Mike’s Message of Hope

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**Rotation 1993**

The Interhouse Committee cordially invites all new students to attend a series of informal meals and evening receptions to acquaint you with each of the seven Student Houses (and vice versa). Above you will find a matrix of names and days of the week. Please find your name in the leftmost column and read across to determine the order in which to visit the Houses (for each day, meals are listed in alphabetical order). Lunches are cafeteria-style, while dinners (and the final Saturday lunch) are family-style followed by a reception at which refreshments will be served. You are strongly urged to give all seven houses a fair chance; attendance is expected at all meals (please pick up your name tag to indicate your presence). If you cannot attend a meal, be sure to contact the President of the relevant House in advance, or you may be marked as a no-show and be required to rank your rankings with the RA's. Picks will take place on Sunday morning in a closed meeting of delegates from each House, and the results of the House picks will be announced on Sunday evening.

If you have any questions or concerns, please contact Asif Hassan, IHC Chairman (x6964, Rudder 340, Box 290), one of the House Presidents, or the Residence Life Office. We sincerely hope that you find your Rotation experience to be enjoyable.
Edward C. Posner 1933–1993

by Caltech Public Relations

Edward C. Posner, visiting professor of engineering and JPL’s chief technologist for the office of telecommunications and data acquisition, was hit by a truck and killed as he bicycled from Caltech to JPL on the morning of June 19, 1993.

Posner earned his B.A. in physics, and his M.S. and Ph.D. in mathematics, at the University of Chicago in 1952, 1953, and 1957, respectively. He taught mathematics, at the University of Wisconsin and at Harvey Mudd College before joining JPL as a technologist in 1962. He became chief technologist in 1982. He was appointed a lecturer in electrical engineering at Caltech from 1970 to 1977, became a visiting associate professor in 1977, and had been a visiting professor since 1978.

Posner’s specialty was information and communication theory. At JPL, his work on coding theory and data compression has enabled the volume of data returned from spacecraft over the Deep Space Network to be increased by several orders of magnitude. His campus research interests included communication network design, and automatic switching systems for such applications as cellular telephones.

Posner was one of the founders of research into neural networks at Caltech and JPL in the early 1980s, and was instrumental in the creation of Caltech’s interdisciplinary graduate-study program in Computation and Neural Systems, the first program of its kind in the world. Neural networks are often proving more adept at some complex tasks, such as pattern recognition, than traditional computers.

A dedicated supporter of undergraduate research, Posner had been a member of Caltech’s SURF (Summer Undergraduate Research Fellowship) Administrative Committee since 1990, and co-founded the SURFSAT satellite program with Robert Claus at JPL.

Since 1984, he had sponsored 13 SURF students, not counting three who had just started this summer’s work. Between 1988 and 1991, he co-sponsored another 20 SURF/SAAT students at JPL with Claus. Posner had also served on the Freshman Admissions Committee since 1991 and the President’s Fund Committee, which funds innovative research by Caltech faculty and students at JPL, since 1990.

Posner was a fellow of the Institute of Electrical and Electronic Engineers, and chairman of the Neural Information Processing Systems Foundation, and a member of the American Institute of Aeronautics and Astronautics, the American Association for the Advancement of Science, the Society for Industrial and Applied Mathematics, the International Neural Network Society, the World Space Foundation, and a charter member of The Planetary Society, and on the editorial boards of several scientific and engineering journals.

The Tech needs an on-campus circulation manager. An undergraduate or graduate student is preferred. For more information, call Gavin at x6154.

The Watson Foundation provides fellowships of $15,000 for a year of independent study and travel after graduation. They are designed to encourage an informal break in the normal sequence of undergraduate-postgraduate education and are a marvelous opportunity to travel outside of North America. Caltech nominates two seniors each year for this fellowship.

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continued from page 1

Administration

Coordinator's position, which has been vacant since Robert Cobb left last January, has been abolished. The search for an Assistant Director will begin soon, and the search committee will include students. Kim hopes that the Assistant Director will help to free her for more interaction with students and to pursue other projects.

David Wales’ office has been moved to the east side of Winnett, but it will still be used for ASCIT and IHC meetings. Gina Armas has moved to Winnett from her office in the SAC, but will still be in the SAC three to four mornings a week for Coffeehouse business.

Elizabeth Sheiman, who assisted both the Coordinator of Student Activities and the Music Department, will no longer be working for Residence Life. She will continue working for the Music Department in the same office.

Kim West does not foresee any problems with the loss of the half-time position, but she will use the salary money to hire extra student workers if the office turns out to be understaffed.

She hopes that the rearrangement will make Residence Life more accessible to students, and help the staff work together more closely.

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Subject suffering from Credit Card Theft Nervosa.
Jim's Journal

I went to the store today to tell Mr. Peterson how I was doing.

"He could sure use your help," he said.

I asked him what.

"Corn?" he said.

I've noticed Mr. Peterson has taken some different little habits since I've been here.

She used to like to sit on my bed. Now she sits on my chair.

She used to sleep up on my bookshelf, now she likes the window sill.

Otherwise, she's about the same as always.

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"Astonishing" - New York Times

Ballad of Little Jo
Daily 4:30, 7:00, 9:40 p.m.
Sat-Sun Bargain Matinee 2:40 p.m.
Starts Friday, October 8.

The Tech would like to thank the following staff members who have left Caltech:
Rajesh "Q" Bilimoria
Jakub Czyz
Khurram Dastgir-Khan
Jon Lange
Michael Oder
Anoop Sinha
Steve Sobelman

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Bartle-Schulweis

Dr. Paul Jennings, provost at Caltech. "This Institute is fortunate to have attracted someone with her ability and experience."

"I am thrilled to be the first director for the Women's Center at Caltech," said Bartle-Schulweis. "It will be challenging to work at such an outstanding institution."

Bartle-Schulweis received her B.A. from UCLA, graduating summa cum laude in sociology with a specialization in women's studies. She earned her M.A. in sociology, from UCLA, and expects to receive her Ph.D. in sociology from California Institute this year. Bartle-Schulweis and her husband, Seth, have three children—Miranda, 11, Sarah, 7, and Aaron, 5.

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BARTLE-SCHULWEIS received her M.A., also in sociology, from UCIA. She has three children—Miranda, 11, Sarah, 7, and Aaron, 5.

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September 24, 1993
Events and Services

Sunday, September 25, from 9 a.m. to 5:30 p.m.

- Bible Study and Discussion—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call 832-5803.

- OpenAir—An event interested in meeting freely and loving people from a wide variety of backgrounds! Open Air is a group made up of students, staff, and faculty from many different departments on campus, and from a variety of ethnic and cultural backgrounds. We are both an action group and a discussion forum. We discuss topics related to people’s well-being and share information on our different backgrounds, and we sponsor activities that bring people together, help people inform, and help out people in need. We welcome everyone’s ideas and encourage people to drop in whenever they can. Our agenda is flexible and is solely determined by what people want to do and what people find interesting. If you want to get yourself out of your lab, turn off your mobile phone for a little bit of time, and broaden your views, this is the group for you. If you want to test out your social skills while you are here, or if you are a little bit of a loner and want to become acquainted with others, this is the group for you.

- Auditions for Jazz Bands, Concert Band and Chamber Musica—auditions for new students will be held Saturday, September 25-26, 9 a.m. to 5 p.m., Monday, September 28, 9 a.m. to 5 p.m. They will be held in room 12 of the Student Activities Center, located under Parking House. The doors are open to the deck on most of the days. All are welcome, regardless of previous experience. Questions? Call Bill or Del Reina at 832-8664 or 4512.

- Caltech Y's KeCom Meeting—The Y will have musical events, meetings, and educational events to attend on the first and third Monday of each month.

- Caltech Hills/Unwashed Weekly Meeting—An informal gathering, every Thursday at 7 p.m. in the Y lounge. For more information call Barry Kennedy at 832-3355.

- Friday Prayer—Prayer organized by Caltech Mediation Board and held in the Caltech Y lounge at 1:30 every Friday.

- Fall Events:
  - Admission to Class of 1994—Saturday, September 25, 7:00-9:30 p.m., in the Y lounge. Applications will be accepted for the Class of 1994. For more information call 832-5803.

- Student Events:
  - Student Volunteers: Caltech Community Service—caltech.jpg volunteer opportunities include tutoring, mentoring, and volunteering in the community. For more information call 832-5803.

Sheltered Internships & Competitions

For information on the following scholarships, please contact the individuals listed at the end of each scholarship.

- Summer 1994 Internships—The Sacramento Bee, a 350,000 circulation McClatchy newspaper offers summer internships in reporting, sports, copy editing, photojournalism and telephoto. The interns will be full-time for 12 weeks, paid $200/week, and provided with the necessary resources to get the job done. They will be hired on a first-come, first-served basis. For more information call Gary Mines at x6542.

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