

I'm so  
sure!

# THE TECH

CALIFORNIA

Buffy's  
Here!

Volume XCIII, Number 31

Pasadena, California

July 31, 1992

## Braun Athletic Center to Open October 9

Betsy Woodford

With the completion of the new Braun Athletic Center, slated for October 9, users of the gym facilities will enjoy a greatly expanded recreational service program. "Our facilities, equipment, and service will be immediately transformed into one of the most outstanding recreational services programs serving a college community in the United States," says Dan Bridges, director of physical education and athletics.

The fully-air conditioned Braun Center will offer a 500 square foot weight room, with new, state-of-the-art equipment, two squash courts and four racquetball courts, a 3000 square foot dance/aerobics room, expanded locker facilities for men and women, and a spacious gym for volleyball and basketball play.

The gym will be open new longer hours: Monday through Thursday, from 6 a.m. to midnight, Friday from 6 a.m. to 10 p.m., and Sunday from 8 a.m. to 6 p.m.

The new recreation program will place an emphasis on service for its customers. "We will double the number of building attendants and activity instructors," says Bridges, "add more lifeguard hours, have weight room and racquet-sport

counselors available, and have a full-time recreational services receptionist to answer questions and pass out schedules and information.

"We wanted to bring an athletic club approach to campus," added Bridges. "It is our intention to offer the very best in service and equipment, in a facility that is well-lighted, well-maintained, and conducive to social interaction."

The building was designed with socializing in mind. The large patio in front of the gym will have numerous seating areas amid landscape planters. The two-story high lobby will have sofas and coffee tables, and food vending machines nearby. **Strategically placed windows between the various workout areas will let people see what's going on all over the athletic facility. And a number of the north and east facing second floor windows will provide a nice view of the campus and the San Gabriel Mountains.**

**I hope the new facility will become a primary venue on campus for socialization among the students, faculty, staff, alumni, Associates, and JPL employees,"** says Bridges. "I've already talked with ASCIT and the IHC about the gym being the site of an all-campus party, shortly after it opens."

In support of the new program,

the administration has increased its 1992-1993 recreational services funding by 25 percent. In order to make up the difference between the Institute's contribution and what the new program will cost to run, the athletic department will be charging year round user fees to JPL employees, alumni, Associates, and their dependents, as well as the dependents of students, faculty, and staff. "We are asking the users of the athletic facilities to pay for ap-

proximately half the costs of running the program," Bridges explains. "The new program will offer members of the Caltech/JPL Community facilities and services that are comparable to, if not better than, local health clubs, and at about a quarter of the cost."

Caltech faculty, staff, and research fellows may use the facilities at no charge during the academic year and for \$30 in the summer. Individual dependents of stu-

dents and research fellows may purchase facility-use for \$75 per year, or \$30 per quarter. The passes for families of students and research fellows are \$100 for the year, or \$45 per quarter. Individual faculty and staff dependents will pay \$125 per year or \$50 per quarter; their families' fees will be \$200 per year or \$75 per quarter.

**The annual fees for JPL employees, alumni, and Associates will be**

continued on page 2



Workmen construct the floor of the basketball court in the Braun Athletic Center.

## Susan Bunker Named New Director of the Caltech Y

Sunney Chan

Effective August 1, 1992, Ms. Susan Bunker will become Executive Director of the Caltech Y. Ms. Bunker, who lives in Claremont, California, comes to Caltech from the the AIDS Services Foundation Of Orange County, serving as the director of volunteer development and public relations for the past year and a half. However, with ten years of involvement with higher education, Ms. Bunker brings to the Caltech Y a wealth of experience in working with students, plus administration, fund-raising, counseling and management skills. Ms. Bunker received her BA in psychology, sociology, and communications in 1980 from Northwest Nazarene College in Nampa, Idaho, where she also worked in student services until 1987. She left Idaho to earn her masters degree in college student affairs at Azusa Pacific University, where she continued her

work with students. For two years she was honored as the outstanding administrator at Azusa Pacific University. In 1991, she left Azusa Pacific as associate dean for student services to work full time with the AIDS Services Foundation.

Ms. Bunker succeeds Lucy Guernsey, who has ably and successfully directed the Y for the past three years. Lucy has befriended a generation of Caltech students and has inspired them to get involved with the community and the issues of the times. She has made the Y a catalyst to promote dialogue and understanding, mutual trust, and respect, consensus and harmony among the various segments of the Caltech community, including undergraduates, graduate students, faculty, staff, and members of the administration. Because of her commitment to values as well as excellence, she has become an important role model for all of us who share in these same values. We shall miss her leadership. Lucy will leave the Y a stronger, more cohesive and effective organization than when she inherited it, and we are grateful to her. Ms. Guernsey will be moving to Seattle to assume her new position as Dean of Student Development at Seattle Pacific University.

## Harvey Prize Awarded to Caltech Electrical Engineering Prof Ammon Yariv

Ammon Yariv, Thomas G. Myers Professor of Electrical Engineering and professor of applied physics is the recipient of the 1992 Harvey Prize in Technology from the Technion-Israel Institute of Technology.

The Harvey Prize is given in recognition of major contributions towards human progress in science and technology, human health, literature of the Middle East, or advancement of peace in the Middle East. Two Harvey Prizes are awarded each year. Fomer Soviet President Mikhail Gorbachev was awarded the seconf 1992 Harvey Prize for his contributions to Middle Eastern Peace.

Yariv accepted the prize, consisting of \$35,000, at an award ceremony on June 15 at Techniion in Haifa. He delivered several lectures while at the Technion. Mikhail Gorbachev recieved his award on the same occasion.

A native of Israel, Yariv earned his BS, MS, and PhD degrees in electrical engineering form UC Berkely. He joined the Bell telephone Laboratories in 1959, becoming involved on the early stages of laser research. In 1964, he joined the Caltech faculty as associate professor of electrical engineerign, and was named professor of electrical engineering and applied physics in 1966. In 1979, he became the Thomas G. Myers Professor of Electrical Engineering and professor of applied physics.

Yariv participated in the discovery of several early solid-state laser systems, in proposing and contributing to the evolution of the field of semiconductor integrated optics, in the invention of the semiconductor -distributed-feedback laser, and in the pioneering of phase conjugate optics. His present research is concerned with nonlinear optics, semiconductor lasers, and integrated

optics.

The Harvey Prize recipient has written several basic texts in quantum electronics, optics, and quantum mechanics. A resident of San Marino, he is a member of the American Physical Society, Phi Beta Kappa, the American Academy of Arts and Sciences, the National Academy of Engineering, and the National Academy of Sciences. He is a fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the Optical Society of America. Yariv has recieved the 1980 Quantum Electronics Award of the IEEE, the 1985 University of Pennsylvania Pender Award, and the 1986 Optical Society of America Ives Medal.

The Harvey Prize was established by the late Leo M. Harvey of Los Angeles, the former chairman of the board of Harvey Aluminum, Inc., and a prominent leadre of the American Society for Technion.

Inside this week's

CALIFORNIA  
**TECH**  
Lots  
o'  
neat  
stuff

**Yo La Tengo**  
(My Bloody  
Valentine)

page 2

**ASCIT**  
Minutes

page 2

**Movie**  
Reviews

page 4



# ASCIT Minutes of the July 28, 1992 Meeting

June Fujimoto

Present: Amit, Mike, Tim, Derek, Todd, June, Laurent Stadler, Chris Ho, Ed Etzkorn, Rich Baltzerson, Rob Rickenbrode.

The meeting started at 7:15 p.m. with pizza pizza, crazy bread, the kool aid coolers that sing, and Amazing Tim

Dean Brennan: The presentation to give Dean Brennan his photo will be held July 29th at 2:30 p.m. in the Dean's office. Also 4 pgs. in the yearbook were dedicated to him.

Women's Center: Prof. Goodstein would like a list composed of people to serve on the Women's Center committee. This would include a selection and executive committee.

C.L.U.E. : About only 20% of the student body returned their C.L.U.E. course reviews. Rob desperately needs the ones he doesn't have by next Monday, and there are a lot. Amit has a copy of all the classes if you'd like to help out, and you can turn them into him at box #513. But if no one does, we'll have a sorry C.L.U.E. this fall.

Postcards of Page and Fleming: Mike finally noticed some postcards that have apparently been in the bookstore for at least three years. He just thought he'd share that with us.

Social Director: Derek has no idea where ten thousand dollars from his social budget have gone. At least he's not getting blank checks.

ASCIT put on a successful party last Friday. Derek hopes to have another one August 14th, but will he have the money?

ASCIT Van: It's here. There will also be personalized license plates, "ASCIT", to go with the van. And they're reflective too. Oh joy. Major

safety factor. The BOD approves of the license plates (5-0-3). If you want to use the van you need to talk to Todd. Just remember C.M., that the van is brand new, and doesn't need to be abused, so to speak. The cost of using the van has been raised to 30 cents per mile. The BOD passed this (5-0-4).

Sound System: \$16000 have been raised for the new surround sound system that will be installed in Baxter Lecture Hall soon; \$6000 from ASCIT. \$7000 have already been spent on the speakers. The rest of the system will be bought

later.

Big T: It's still under budget. Yeah!! However, there will not be any ASCIT formal pictures included due to some error somewhere. There was some discussion over where the surplus money may go. It may just be added onto next year's Big T budget.

"The little t is Supreme!" as noted by Amit: As Laurent put it, "The Little T is definitely under budget!" There was some confusion over what rotation rules would be included, and whose rules those would be.

ASCIT Office: the ASCIT office has moved to room 38 in the SAC where there are no floods, and it doesn't smell like dead fish.

Summer Broomball: The Y is planning a summer broomball event. More info to be announced later

This quite productive sizzling hot summer meeting ended at 8:40 p.m. [Editor's note: the little t is not exactly supreme as Amit noted. The little t editors are using T<sub>E</sub>X, which is inferior to what the Tech editors use; they can't preview in real time and we can! We like PostScript.]

The old ASCIT van, pictured below, has a new friend—the new ASCIT van. Although the old van was once termed a "Death Trap," it will not be put out of commission, but will be retained for doing those dirty jobs the new van just won't want to do.



## Yo La Tengo at the Palace

Rajesh "Q" Bilimoria

On July 5, the Palace buzzed with the guitars and feedback of My Bloody Valentine, Buffalo Tom, and Yo La Tengo. I bought my ticket to the concert to see My Bloody Valentine, whose latest release *loveless* contains "when you sleep," a whirling mix of feedback and vocals, which a slight departure from the band's previous album *Isn't Anything*.

Although MBV headlined the show, they were by far not the highlight. The show opened with the bassist and lead guitarist/vocalist of Yo La Tengo coming on stage with the lights still dim. The introductory feedback session progressed into a melodious song. The songs of Yo La Tengo, a New Jersey threesome, range from the intense to the sublime. Their latest, *May I Sing With Me*, comprised the majority of the set, which left me impressed.

Buffalo Tom came on next and performed an adequate set, but did not rival the intensity of Yo La Tengo.

When My Bloody Valentine made in on stage, the real moshing began; however, after several songs, the band decided to close the show with seemingly endless feedback. The concert became literally boring, and much of the audience wandered around the lobby and left.

Although MBV's ending was disappointing, the experience was worth just for the forced discovery of Yo La Tengo. This band's performances should not be missed. If you pick up their albums and are a little disappointed, check them out live. The recordings just can't capture the energy they produce at a good show.

by Jim

Jim's Journal

For a few seconds he concentrated his scrubbing in one little area, probably where there was a stain or something.

As I was walking away, I saw Hal through the window, wiping off the counters.

When we were almost done, Hal said, "You can go home, Tim, I'll take care of the rest."

Today Hal and I closed up the copy store at midnight.



The future lobby of the Braun Athletic Center takes shape.

continued from page 1

## Braun

\$125 per year or \$50 per quarter. An individual dependent may purchase a pass for \$125 per year or \$50 per quarter. Families are \$300 per year

or \$75 per quarter.

The athletic department will start accepting fees and issuing photo id cards on August 15 at the Brown Gymnasium (the old gym) on campus. Because photos will be taken, application must be made in

person. As an incentive to sign up early, there will be a 10% discount on all individual or family memberships and guaranteed locker privileges (for all members over 18 years) to anyone signing up before September 15.

## THE CALIFORNIA TECH

Volume XCIII • Number 30  
July 31, 1992

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Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors. Letters and announcements are welcome. All contributions 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 literacy, expediency, or anything else.

Turn in copy (preferably on Macintosh 3.5 inch disk) to the Tech mailbox outside SAC room 40. E-Mail may be sent to editors@tech.caltech.edu. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5pm.

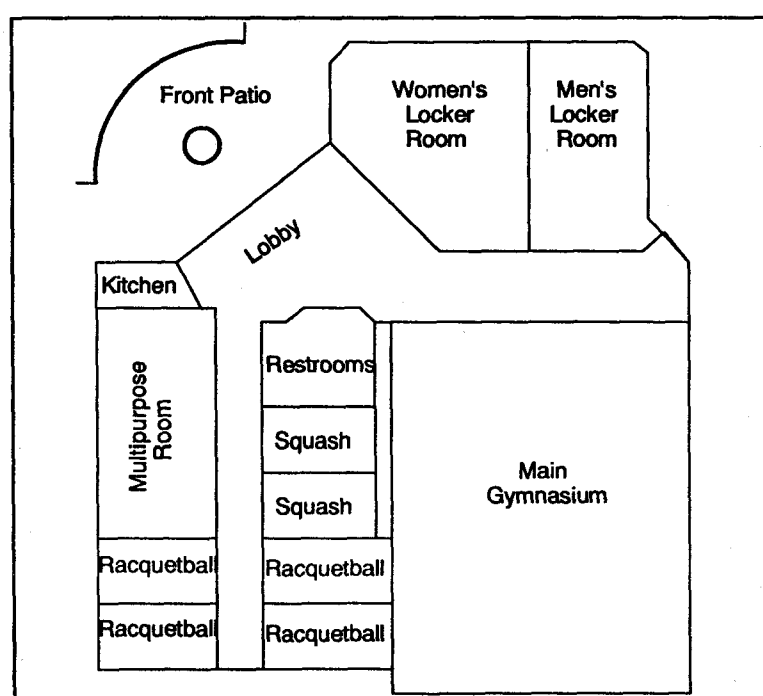
The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$10 per year to cover third-class postage and preparation costs.

Printed by News-Type Service, Glendale.  
ISSN 0008-1582

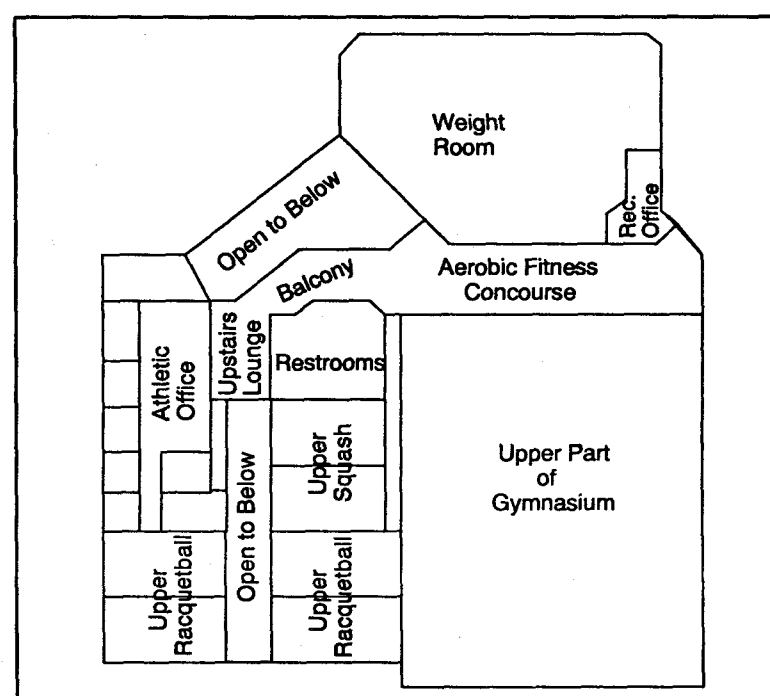
# Braun Athletic Center

## Floorplans:

### First Level



### Second Level



## Features:

### FIRST LEVEL

1. **GYMNASIUM**
  - 1 - COMPETITION BASKETBALL COURT
  - 1 - COMPETITION VOLLEYBALL COURT
  - 2 - SIDE BASKETBALL COURTS
  - 2 - SIDE VOLLEYBALL COURTS
  - STATE-OF-THE-ART LIGHTING SYSTEM
  - HARDWOOD FLOORS
  - SPECIALLY CONTOURED SPECTATOR SEATING
2. **MULTI-PURPOSE ROOM**
  - HARDWOOD DANCE/AEROBICS FLOOR
  - SOUND-PROOF ROOM DIVIDER
  - QUALITY SOUND SYSTEM
  - FULL KITCHEN ADJACENT
3. **WOMEN'S LOCKER ROOM**
  - EXPANDED AND COMPLETELY REMODELED
  - NEW CERAMIC TILE, PAINT, AND CARPET THROUGHOUT
  - 104 ADDITIONAL LOCKERS
  - 526 TOTAL LOCKERS
4. **MEN'S LOCKER ROOM**
  - 152 NEW LOCKERS FOR COACHES, FACULTY, AND STAFF
  - VISITING TEAM ROOM INCLUDED
5. **RACQUET SPORTS CORRIDOR**
  - 4 - RACQUETBALL COURTS
  - 2 - INTERNATIONAL SIZE SQUASH COURTS
  - FULL GLASS BACK WALLS IN ALL COURTS
  - SOLID OAK BENCHES FOR SPECTATOR SEATING
6. **LOBBY**
  - CIRCULAR RECEPTION DESK
  - BUILT-IN TROPHY CASES AND DONOR PLAQUE CASE
  - DECORATIVE STAIRWAY
  - INTERIOR LANDSCAPING CENTERED BENEATH LARGE SKYLIGHT
  - SOFAS, CHAIRS, AND COFFEE TABLES
  - INFORMATION BOARDS
7. **FRONT PATIO**
  - 18' PERIMETER WALL WITH CAST-STONE SEATING
  - CIRCULAR PLANTER CENTERPIECE
  - SIDE PLANTERS WITH SHADE TREES
  - DECORATIVE TILE/EXPOSED AGGREGATE PATTERN
  - ADEQUATE LIGHTING FOR EVENING ACTIVITIES

### SECOND LEVEL

1. **OFFICES**
  - RECREATIONAL SERVICES (ADJACENT TO WEIGHT ROOM):
    - STAFFED DURING ALL OPEN HOURS
    - WEIGHT ROOM AND SOUTH FIELD SUPERVISION
    - INFORMATION COUNTER/CLERICAL WORK AREA
    - ASSISTANT ATHLETIC DIRECTOR'S OFFICE
  - ATHLETIC OFFICE:
    - ATHLETIC DIRECTOR'S OFFICE
    - FULL-TIME COACHES' OFFICES
    - CONFERENCE ROOM
    - INFORMATION CENTER/CLERICAL WORK AREA
2. **LOUNGE**
  - OVERLOOKS DOWNSTAIRS LOBBY AND RACQUET SPORTS CORRIDOR
  - SOFAS, CHAIRS, AND END TABLES
  - SKYLIGHT
  - INTERIOR LANDSCAPING
3. **WEIGHT ROOM**
  - WINDOWS OFFERING A PANORAMIC VIEW OF THE SOUTH CAMPUS
  - COMPLETE SELECTORIZED MACHINE CIRCUIT BY FLEX EQUIPMENT
  - FREE WEIGHT APPARATUS BY NORLAND'S FITNESS
  - FULL SET OF DUMBBELLS FROM 20 LBS. TO 80 LBS.
  - FULL SET OF BEAUTY BELLS 5 LBS. TO 20 LBS.
  - 5,000 LBS. OF OLYMPIC WEIGHT
  - OLYMPIC THROWING PLATFORM WITH FULL SET OF RUBBER WEIGHTS
  - SPACIOUS STRETCHING AREA
  - TWO REFRIGERATES DRINKING FOUNTAINS
  - AMPLE MIRRORRED WALL SPACE
  - SPECIALIZED SOLID VINYL FLOOR SURFACE
  - QUALITY SOUND SYSTEM
4. **AEROBIC FITNESS CONCOURSE**
  - TWO CONCEPT II ROWING MACHINES
  - FIVE 9500 UPRIGHT LIFECYCLES
  - TWO 9500 RECUMBENT LIFECYCLES
  - FOUR 9500 STAIR CLIMBERS
  - SPECIALIZED SOLID VINYL FLOOR SURFACE
  - WINDOWS WITH FULL VIEW OF WEIGHT ROOM AND GYMNASIUM
  - QUALITY SOUND SYSTEM

DEDICATION AND OPENING  
FRIDAY, OCTOBER 9, 1992



## Developmental Biology at Caltech Wins Major Grant

The California Institute of technology has received a grant of \$665,950 from the Ralph M. Parsons Foundation to support research into the mechanisms by which a single-cell egg becomes a highly complex organism. The grant represents a continuation of the \$330,000 award that the foundation extended to Caltech last year, bringing the total amount of Parsons Foundation support for this project just under one million dollars.

"Caltech is delighted that the Parsons Foundation is continuing to support research that seeks to unlock the early secrets of development," said Caltech President Thomas Everhart. "The foundation's support ensures that this interdisciplinary effort, involving sophisticated technology and outstanding researchers, can continue its pioneering work aimed at answering one of the key questions in biology."

The team of Caltech scientists conducting the research is headed by Eric Davidson, the Norman Chandler Professor of Cell Biology, and Leroy Hood, the Ethel Wilson Bowles and Robert Bowles Professor of Biology. Although Hood is relocating to the University of Washington, the relevant portions of the National Science Foundation Science and Technology Center laboratory that he heads will remain at Caltech. This collaborative project will continue at Caltech, where Hood will also have an appointment.

The Caltech researchers will use

the Parsons Foundation funding to continue their research into one of the fundamental questions of modern biology: how an organism that starts as a single cell, the fertilized egg, grows to a complex adult organism, made up of hundreds of millions of specialized cells. A major goal of the project is to identify and describe what actually happens in the genes as an egg begins to develop into an embryo, and to determine how cells specialized for highly different functions (brain, nervous system, muscle tissue, skin, etc.) arise in the developing embryo. In addition, say the scientists, this research will lead to a far clearer understanding of how complex structures and organs are formed later on in development.

The scientists' studies will focus on the sea urchin, an animal long used in developmental biology studies at Caltech. The researchers propose to use advanced technological methods to isolate all or most of the gene regulatory factors that are needed to drive the creation of a sea-urchin embryo from egg.

The Ralph M. Parsons Foundation was established in 1961 by the late Ralph M. Parsons, founder of the international engineering and construction firm that bears his name. The Foundation since 1974 a separate, free-standing charitable organization independent of the corporation, awards grants focusing on areas of higher education, social impact programs, and health, civic, and cultural endeavors.

## ENTERTAINMENT

### mo' money

12345678910

Mike Oder

As star, producer and writer, Damon Wayans had a large task on his hands. Unfortunately for Damon he seems to lack the ability to pull it off. This movie has two plots vying for screentime. One is about an excon, played by Wayans, out on parole trying to turn his life around and gain legitimacy in a world which is completely alien to him. The other is a third-rate murder mystery revolving around a credit card fraud scheme.

Playing the part of Damon's friend, Marlon Wayans (in real life Damon's brother) is an inveterate con man, always looking for the easy buck. The friends play off their unwitting victims recapitulating their roles from *In Living Color*.

Stacey Dash plays the role of Damon's love interest. And he is faced with the less than formidable task of winning her away from geeky boyfriend.

The biggest problem with the film is that it lacks inspiration. The gags can only be stretched so far. This film fits better in the atmosphere of their television program, and never finds what it needs to make the cross over for the big screen.

My suggestion is that you wait for this movie to come out on video and then get your friend to rent it. Not only will be more enjoyable on television but you'll also be spared the pain of realizing that you just paid seven bucks for this film.

### Prelude to a Kiss

12345678910

Christopher Orth

The first hour of *A Prelude to a Kiss* was so filled with magic - from the energy of the actors to the elaborate scene-shooting - that it set the stage for an almost excellent movie. Almost.

The magic in the first half of the movie was due to a combination of interesting characterization and raw intrigue. Alec Baldwin and Meg Ryan's acting was the driving force that kept things moving as long as they did.

Fans of Meg and Alec will find their roles the reverse of what they might have expected. Baldwin plays Peter, a conservative corporate manager in charge of micro-fiche production. He hates parties and he's the type that waits for life to happen to him. Quite different from the tooth-care tycoon who asked his fiancée to bite him when she kissed him in *The Marrying Man*.

Despite his dislike of parties, the movie opens on Peter about to go to one, where he meets the feisty Rita, played by Meg Ryan. On the surface Rita seems to love life - she flails her arms wildly in a sort of karate parody as she informs Peter that she hasn't slept a full night since she was fourteen. But we soon discover that her sleeplessness

is not derived from her enthusiasm but from her despair. She hates the world, and even more hates the thought of bringing a child into it.

Of course they hit it off, and the best part of the film was watching the sparks fly despite their apparent incompatibility.

The other fun part was waiting for whatever it was you knew was going to happen. From Peter's monologue in the very beginning of the film you knew they were about to be "thrown off life's roller-coaster."

But when that moment hits on their wedding day the movie starts to lose interest. For a while after that fateful kiss between the bride and the mysterious old man, and you know that they have switched bodies, you're interested because you don't know what's going on. Did this guy steal her body on purpose? Is he an expert in the occult that has specialized in going from body to body for the past three centuries? You get the feeling that something really sinister is going on as you watch Peter's life ripped apart before his eyes.

As the movie drags to a conclusion you realize you've just been duped into watching yet another switch movie, nothing more. The acting was great. Alec Baldwin was great. Meg Ryan was great. But you need more than great actors to breathe life into the stale youth-switches-with-old-and-wants-their-old-life-back-plot. After such an inspired beginning, the movie was quite a disappointment.

## Seymour Benzer awarded prize for Neurobiology Research

Seymour Benzer, the James G. Boswell Professor of Neuroscience at the California Institute of Technology, is a corecipient of the fifth annual Bristol-Myers Squibb Award for Distinguished Achievement in Neuroscience Research. He received the award at a luncheon in New York City on June 25.

The other corecipients are Sidney Brenner of the Medical Research Council of the University of Cambridge, and Mario Capecchi of the Howard Hughes Medical Institute at the University of Idaho.

Benzer, a San Marino resident, is widely known for his pioneering studies in neurogenetics—how information in the genes controls the development and function of the nervous system to produce behavior. He has carried out a great deal of this research on the fruit fly *Drosophila melanogaster*—an insect that, despite its apparent simplicity, displays a fairly complicated repertoire of behaviors, including distinctive courtship, eating, learning, and circadian-rhythm patterns. Many of the *Drosophila* genes that Benzer and colleagues have uncovered in fruit flies appear to have similar counterparts in humans. This insight has opened the way for applying some of the knowledge obtained from the *Drosophila* to studies of how the human brain and nervous system develop, function and malfunction.

Benzer joined the Caltech faculty in 1967, coming from Purdue University, where he was Stuart Distinguished Professor of Biophysics. Much honored for his work, he

received the Wolf Foundation Prize in 1991 for generating a new field of molecular neurogenetics through his pioneering research on the dissection of the nervous system and behavior by gene mutations. Among his other honors are the Thomas Hunt Morgan Medal of the Genet-

ics Society of America, the Rosenstiel Award for Brandeis University, and the National Medal of Science. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the American Philosophical Society.

### Jim's Journal



by Jim

We talked about philosophical things and Steve said, 'I don't think life is absurd or meaningless. I think it's funny.'

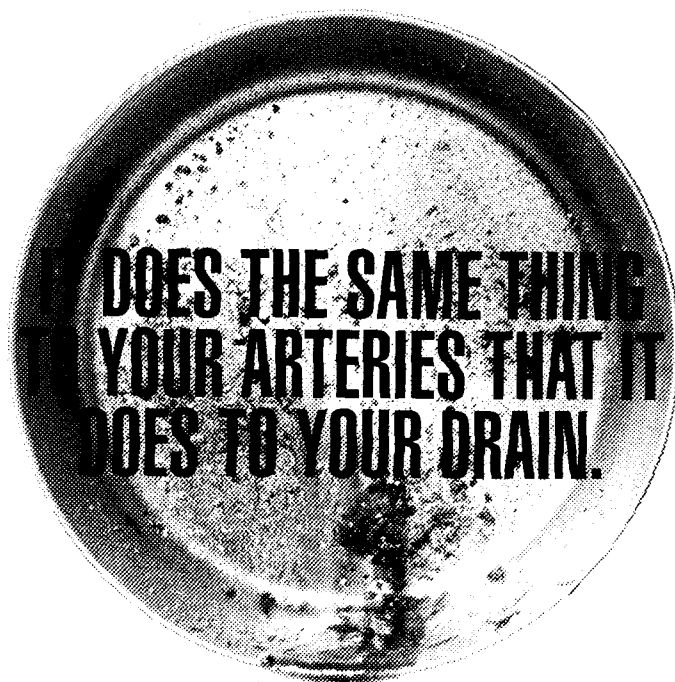


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### THE TECH

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