

THE THIRD COMING OF ROBERT SCHEER: MONDAY IN WINNETT LOUNGE. TIMES REPORTER ROBERT SCHEER SPOKE WITH STUDENTS ABOUT HIS RECENT TALKS AT CALTECH

New Frontiers

by Ketan Shah

Albert Hibbs, one of the stars of the TACIT production of *The Madwoman of Chaillot*, spoke Wednesday on space projects that NASA has in mind for the next 15 years.

In the Y Noon Update, Dr. Hibbs, a member of the technical staff of the Technology and Space Program Development Group at JPL, spoke in terms of three different time frames: near, mid- and long-term.

In the near term, that is, now, JPL is operating the shuttle radar set which enables scientists to combine data gathered in a wide swath. The result is as if a single giant radar had done the job.

The most spectacular outcome, from a popular point of view, has been the radar set's discovery of river beds beneath the sands of southern Sudan.

In the mid-term, NASA is working on an imaging spectrometer. The old Landsat could handle 4 different bandwidths of light photography, while the new Landsat can work with 12 channels. An Earth orbiting system could handle 256 channels.

There are also the radiometers that return weekly data on temperatures of the Earth's surface and the moisture levels of soil.

The topography experiment (Topex) project has had its budget put off until 1987. The Topex project is to measure the current structures of the oceans.

Three orbiting platforms will be needed for the imaging spectrometer, radiometer, and Topex. No hard designs have been made yet, but standard modules made for a space station will probably be used in order to economize. The space station project is the biggest one currently underway for NASA. It should be in "Interim Operational Capability"—ready for minimal use—by 1992.

The space station will not be a spinning station, so osteoporosis, the weakening of bones due to calcium loss, will be a problem. The Soviet Union has provided medical data of their Cosmonaut who was in space for nine months, and who consequently developed brittle bones. Mickey Mouse beware! Mice will be sent for experiments in centrifuges at 1/2g, 1g, 5g and 10g.

In the long range, beyond 2000, there are plans afoot for passenger travel on the space shuttle, an asteroid rendezvous, a manned station on the moon, and a manned flight to Mars. For the immediate future, a flight to Saturn armed with a probe for Titan is a possibility.

A lunar station could be a fuel factory if ice is found on the Moon. If there is no water, the production of oxygen only would still be desirable: oxygen comprises 50% of moon rocks. This would be a great help since a large percentage of the weight of an Earth-launched vehicle is fuel (nearly 80% for a geosynchronous orbit). Space vehicles could have their fuel tanks topped off up in space, given such a factory. Unfortunately, the glamour of lunar projects has faded and the Congress isn't interested in funding them.

A manned mission to Mars is attracting support. Many see it as an excellent opportunity for the USA and USSR to cooperate in the peaceful use of space. Both countries can not only spread the costs, but reap political dividends as well (have they seen 2010 yet?)

It would take 8-10 months each way on an Earth-Mars trip, and the space travelers would have to wait about 18 months for the Earth and Mars to realign for the return journey. But Dr. Hibbs said that NASA wasn't short of one-way volunteers.

NSF Unloads Boffo Bux

Four Caltech faculty members, two of them also alumni, are among the 200 scientists and engineers nationwide recently named by the U.S. Office of Science and Technology Policy as recipients of Presidential Young Investigator Awards for 1985. Each has been awarded a base grant of \$25,000 annually for the next five years to support his research.

The National Science Foundation will also extend additional funds of up to \$37,500 annually to match contributions from industry, bringing the possible total award to \$100,000 each year.

The awards "provide cooperative research support for the nation's most outstanding and promising young science and engineering faculty," according to the NSF, which administers the awards. The program aids outstanding young PhD's who might otherwise pursue non-teaching professions.

Caltech faculty members designated as Presidential Young Investigators are Scott D. Emr, assistant professor of biology; E. Sterl Phinney, assistant professor of theoretical astrophysics; Ares J. Rosakis, assistant professor of aeronautics and applied mechanics; and W. Hugh Woodin, professor of mathematics.

Dr. Emr is working with yeast as a model system to determine how protein molecules are targeted and delivered to specific compartments in cells. Malfunctions in this delivery and transport system characterize a number of genetic disorders, including many affecting humans. Dr. Emr received his PhD from Harvard in 1981 and joined the Caltech faculty in 1983.

Dr. Phinney is developing theories that examine black holes as the power source of quasars. He received his BS from Caltech in 1980 and his PhD from Cambridge

in 1983, and joined the Caltech faculty this year.

Dr. Rosakis is applying ultra-high speed photography to study the development and spread of potentially destructive cracks in such materials as structural steels. These fissures have been implicated in such disasters as the collapse of bridges, airline accidents, and damage to nuclear reactor cores. His experiments aim at aiding the design of large-scale structures that are less vulnerable to catastrophic failure. Dr. Rosakis earned his PhD at Brown University in 1982, the year he joined the Caltech faculty.

Dr. Woodin does research in mathematical logic and set theory, with an emphasis on the study of infinities and their application to other branches of math. Dr. Woodin received his BS from Caltech in 1977 and his PhD from the University of California in 1985.

Fowler Wins Noble Prize Students Win Pens

Caltech Nobel laureate William A. Fowler will receive the Sullivant Medal of Ohio State University, his alma mater, at the university's graduation ceremonies on May 24. The Sullivant Medal—the highest faculty or alumni award at Ohio State—carries with it a \$5,000 prize.

Fowler, Institute Professor of Physics, Emeritus, was co-winner of the 1983 Nobel Prize in Physics for experimental and theoretical work which explained how chemical elements form in stars.

Dr. Fowler has been at Caltech since 1933, when he entered as a graduate student after receiving his

bachelor of engineering physics from Ohio State. He became a professor of physics in 1946 and in 1970 was named the first Institute Professor of Physics, the highest honor the Institute bestows upon its faculty. He became Institute Professor of Physics, Emeritus, in 1982.

His other achievements include membership in the National Academy of Sciences, NASA's Apollo Achievement Award, and the Eddington Medal of the Royal Astronomical Society, London. He will also be awarded an honorary doctorate from Arizona State University on May 17.

by Morgan Gopnik

Last week, on April 17th, over dinner at the Athenaeum, Tammy Choy, Richard Murray and Behzad Sadeghi were presented with this year's Noland Leadership Awards. Each of them received a check for \$1,500 (as well as a boxed pen and pencil set with which to endorse it). The Noland Leadership Awards are made available each year by the Ametek Corporation in honor of its president, Mr. Robert L. Noland, who graduated from Caltech in 1941.

As explained in an after dinner speech by Ametek Vice President, Al Schaff, these awards are intended to encourage and reward the development of leadership qualities amongst the scientists and engineers who, they hope, will one day be heads of industry. Ametek wishes to recognize not only those who take charge in leading others but also those who inspire and encourage others to fulfill their leadership potential.

Tammy Choy, currently a junior in Electrical Engineering, earns this award for a range of accomplishments. She has shown her intelligence, dedication and care for others in many spheres and in so doing has inspired others to become more involved. In academics, she has not only done

well herself but has gone out of her way to help others, as a teaching assistant who drew recognition for her commitment and leadership, and informally by going out of her way to help weaker students. She served on the Educational Policies Committee and helped to produce the TQFR. In Lloyd House, she was elected as a member of the Athletic team during her freshman year, was chosen as a UCC, and is now House Secretary. Last summer, while holding a SURF, she also served as a counselor for the SSSSP program. In athletics, Tammy has excelled not simply through her performance and the example she sets, but also in leading others to fulfill their capabilities. The prime of this is her central role in establishing a Caltech Women's Tennis Team. She demonstrated her own ability and courage by lettering on the men's team, established the need for a women's team by encouraging other potential team members to come forth and used her tact and quiet persuasiveness to help obtain team recognition, coaching and funding.

Richard Murray, a senior in Electrical Engineering, receives the Noland Leadership Award for his outstanding contributions to the government and welfare of the undergraduate students at Caltech.

Both as Blacker House President in 1983/84 and as Chairman of the IHC in 1984/85, Richard displayed a remarkable ability to extract the essence of controversies and to lead the way to workable compromises. Always open to new ideas and willing to listen to unconventional opinions, Richard's tenure as IHC Chairman was characterized by frank and fair open discussion. Richard also served as one of the student members on the search committee to find a new Dean of Undergraduate Students.

Behzad Sadeghi, a senior in Mathematics, was chosen for the Noland Leadership Award because of his courageous leadership in re-examining student institutions and encouraging reform. In 1983/84, Behzad provided the stimulus for a campus-wide debate on "rotation" and led to significant reforms. Behzad has been one of the leaders of a group of students who have continued to seek improvements in other areas of student life. He has also been an important contributor to student publications and an active member of the Caltech Y.

Congratulations go to three very deserving winners and sincere thanks to Ametek Corporation for making these awards possible.

Conserve Daylight!

Daylight Savings Time starts Sunday at 2:00 am. Or is that 3:00 am? Anyway—you shift your clocks *forward* one hour then, so 2:00 am is 3:00 am. So, on Monday, what used to be a 1 o'clock class will be held (conceptually speaking) at noon. Or maybe it's 2 o'clock. ("The Dukes" say it's 25 O'CLOCK...—see page five.) This means you lose an hour, but it's OK, because it'll turn up again in October. Spring back, fall forward, y'know? Or is it spring back, fall forward.

I hope you guys can all keep straight on this. I'm counting on you, 'cause I *know* I'm gonna be very confused in the fall. When we set our clocks the other direction. Whatever that is.

By the way... NEUTRINOS HAVE MASS. For details ask the nearest particle physicist.

EDITORIAL POLICY

Nine issues late. Look, I'm sorry. Thanks for electing me.

- 1) "We're going out of business, so it doesn't matter."
- 2) Skiing is good, but *Citizen Kane* is better.
- 3) Look, we're desperate. Submit anything; if I don't like it I'll ~~throw it out~~ burn it.
- 4) Art is good—very good—but it's boring. I'd rather dance. (Or: Fuck art—let's dance.)
- 5) Don't complain to me. I don't read the paper either.
- 6) Burn this right now. ~~If~~ When I go back on these principles, no one will catch me.
- 7) No articles on necrophilia.
- 8) Who wants to be Sports Editor?
- 9) Jim DeWitt does not exist.
- 10) "There is no exercise of the intellect which is not, in the final analysis, useless."—Jorge Luis Borges, "Pierre Menard, Author of the *Quixote*"
- 11) Dorky dorky dorky dorky...no, forget that.



BUCKAROO

The Inside World

Blacker: I'm sick and tired of my Inside Worlds never being printed, so I'm not even going to bother writing one this week. So there. NYAAAA!
—Cynthia Dingleberries

Fleming House: A two week recap due to editorial editing: We beat the Blacker-Dabney, Lloyd, and Page basketball teams in interhouse. Both Ricketts and Ruddock were beaten in Discobolus, sealing it once and for all. Animal meal, here we come!
Good luck to the future parachutists of America. Remember, when in doubt, whip it out!
—Al Fansome

Ruddock House:
*Basketball is my favorite sport
I like the way they dribble up and down the court
Just like I'm the king on the microphone
So is Dr. J and Moses Malone
I like slam dunks and takin' it to the hoop
I like the pick and roll
I like the give and go
'Cause it's basketball with Mr. Kurtis Blow*

*Basketball has always been my thing
I like Magic, Bird, and Bernard King
And number thirty three, my man Kareem
In the center of my starting team
Drew, Dave Wernitz, and C. R. C.
Now these players could never be beat
Isaiah, and Poo Poo too, just give 'em the ball
And then you chalk up two
Dantley and Rudre are on the scene
And Brian Porter is really mean
Bill Russell didn't take no junk
And Jim Helgren got a monster dunk*

*I get the ball and then I go and play
Like the superstars in the N. B. A.
The forwards, the centers, and all the guards
The ones you see on the bubblegum cards
Me and homeboy would go one on one
'Cause playin' the game is a lot of fun
Sit by the TV and watch 'em all
'Cause Ruddock House is rappin' basketball
Unnhuh!
They're playin' basketball
We love that basketball...
To the hoop y'all!*

—Kurtis and Adrienne

Editor: Just a reminder... entries for "Inside World" are due Wednesday evening at 10:00 pm. I can't guarantee that we'll be able to print them if you turn them in later than that. All the entries for this week and last week were late, but I'm a nice guy. Just don't do it again.
—Buckaroo ~~What? Who?~~

THE ASCIT MOVIE TONIGHT at 7:30 and 10:00

The Great Train Robbery

Next Week - Pauline at the Beach
in Baxter Lecture Hall
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LETTERS



Inconsistent House Committee?

To the Editor:

Two requests have been brought before the IHC recently:

1) Blacker and Dabney requested that the IHC allow Jeff Lester, a Darb, to play Interhouse and Discobolus sports for Blacker in spite of his absence from Blacker's eligibility list. To play for a house, a player must be on that house's eligibility list; in the case of this term, by April 5th. Jeff was 5 days late.

2) Fleming requested that a Discobolus challenge from Dabney be considered valud. Discobolus challenges must be made in writing by 6 pm of the appropriate Monday. The challenge of interest here was made orally and thirteen minutes late.

The IHC decided that it was in the spirit of the rules and the competition that Jeff Lester be allowed to play for Blacker, in spite of missing the eligibility by five days. The same IHC, however, decided that thirteen minutes late is unforgivable and the Dabney challenge to Fleming is invalid? Pretty fucked, eh?

Very disappointed,

—Frank E. Kragh
Fleming

P.S.—I submit this letter alone. It does not necessarily reflect the views of Flemis in general, although I suspect it does.

The Sound of One Hand Writing

To the Editor:

I take issue with Charles Barrett's contention that being gay is "unarguably a matter of being, not of choice." I believe it is both. What we are and what we do are separate, albeit related, things. If a person feels homosexual urges but does not act on them, is this person gay? If I feel the urge to write but I don't, am I an author?

—Steve Kator
105-24

The Caltech Y Fly-by

Friday... April 26
Noon Concert with Inca.

Tonight, the absolutely, positively last Philharmonic trip of the season. Barber, Bartok, Dvorak. 8:30 PM. Y-Car leaves at 7:45.

Saturday... April 27
Take me out to the ball game... The Dodgers play the Padres at 7:05 PM. Y-Car leaves around 6:10. Next game—May 11, 1:05 PM, against Pittsburgh. Hopefully, we'll have more tickets.

Wednesday... May 1
Noon Update— Ken Libbrecht, Asst. Prof. of Astrophysics, will tell you everything you want to know but were afraid to ask about "Solar Oscillations." Winnett Clubroom I. Bring a friend and some lunch.

Saturday... May 4
Rich man, poor man, beggarman,... Come see a 2 PM matinee performance of *The Beggar's Opera* at the Embassy Theater in Los Angeles. Tickets are just \$8. Y-Car leaves at 1:15 PM. Sign up by Wednesday, May 1.

Sunday... May 5
Undergrads! Midterms getting you down? Sign up in your house by Wednesday, May 1, to go to Disneyland! Tickets are \$8 and are good for all day.

Any comments, questions, or ideas?
Come into the Y or call us at 356-6163

Oh yeah? Yeah!

To the Editor:

Charles Barrett's "Ars Amore" column of last week while ostensibly extolling "honesty, fairness, and having an open mind," strays from these noble ideals in a series of rationalizations to which I wish to reply.

For instance, in seeking to legitimize being gay, he cites the fact that homosexuality "isn't new," and "has been pursued for generations." The fact of the matter is that many things "have been pursued for generations," and they are not all necessarily good ideas (e.g. wife beating, murder). Later, he cites the fact that homosexual experiences are commonplace, but again this type of fact has no bearing on whether or not they are a good thing. At another point, he blithely mentions that being gay is "unarguably a matter of being, not of choice." This is simply not the case. The matter is very arguable, and not at all the cut-and-dried issue he imagines it to be.

These things are minor points, though, and had these been my only objections to his article, I would not have written this letter. After all, I recognize the fact that a person's decision as to whether or not to be gay is a deeply personal thing, and will probably not be decided one way or the other by another's skillful dialectic.

Charles Barrett states that "moral restraint's primary reward is a smug sense of superiority," and with that sweeping statement exhibits exactly the self-righteous disdain that he condemns in others. He seems to be unable to accept the fact that some people may actually want to be straight, and that a heterosexual can feel good about himself without being preoccupied by his "superiority." Charles Barrett should not expect tolerance and understanding from the rest of the world unless he too is willing to show it. What must be understood by all parties is that tolerance for a person, and respect for his right to express himself should not at all be dictated by approval or disapproval of his opinions whether they be political, religious, or sexual.

—Peter Ashcroft
Blacker House

Charles Barrett replies: It is truly distressing to me to have been so misunderstood as to be interpreted as intolerant. My comment that "moral restraint's primary reward is a smug sense of superiority" goes on to say that that is "small compensation for the imposed hypocrisy of saying one thing and feeling another"—Mr. Ashcroft has equated "moral restraint" with heterosexuality, when in fact morality-based prohibitions (fornication, promiscuity, and adultery for a few) are aimed at heterosexuals.

The self-honesty advocated in last week's "Ars Amore" is in making your own decisions on conduct and behavior rather than blindly following those that are dictated to you. For some, it is acknowledging sexual orientation; for others it is deciding whether or not you are interested in premarital sex. Specifics are unimportant, so long as all are allowed to make their choice.

With respect to the first part of Mr. Ashcroft's letter, of course things are not automatically "good" just because they have a long history; again, missing from his quotation of the original sentence is the key word "hypocritical." The comment he draws from does not deign to make a value judgment, but rather refers to society's lessening hypocrisy. Besides, wife-beating and murder don't involve mutual consent.

As far as "rationalizations" to "legitimize" (!) being gay are concerned, those do not sound like the words of a self-professed "tolerant" individual.

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ENTERTAINMENT

BUCKAROO REVIEWS

A HIGHLY IRREGULAR COLUMN BY MATT ROWE

Lone Justice
Lone Justice
Geffen Records

The exact spot at which *Lone Justice* changes from a merely very good album to a great one is about halfway through the last song, "You Are the Light." Maria McKee is an impassioned singer, and this song should do more to establish Lone Justice's reputation than entire albums by Prince or Eurythmics do to establish theirs. But at the song's strongest moment—when the key has just shifted up, and the first-time listener begins to sing along:

*You are the light
In my dark world
You are the fire
That will always burn*

—just then, the vocals stop. McKee is credited with lead vocal, guitar and harmonica, but this is one of only two instances of the last: a few seconds of reluctant almost filler,

bluesy like all harmonica is, that comes to an end before it really gets anywhere. With all the power of Maria McKee's voice, of Ryan Hedgecock's guitar, of songs like "East of Eden" and "Working Late," Lone Justice can knock you dead. But McKee's tiny harmonica solo is enough to make you cry.

Avid readers of "Buckaroo Reviews" may remember that I reviewed Lone Justice in concert at the Palomino in December. I don't want to dwell on their success story—I'm reviewing the album here, after all—but Robert Hilburn's cover story for the *L.A. Times*' Sunday Calendar (7 April) is highly recommended. I've seen the band live several times now—enough to know that a concert is as good or better than the performances on *Lone Justice*. Right now, they're opening shows for U2's American tour; after that, some European dates are planned. I'll be sure to give plenty of warn-

ing when the band comes back home to L.A.

As for the music: Once, a few years ago, Lone Justice was a country band: some of the best songs on *Lone Justice* feature drawled vocals, twangy guitars, and a two-four beat. But others sound like Motown, Springsteen, Talking Heads, the Velvet Underground, Tom Petty. . . . Actually, that last one isn't too surprising: Petty and his guitarist, Mike Campbell, co-wrote "Ways To Be Wicked" (the first single). The Heartbreakers' keyboardist, Benmont Tench, tinkles all the ivories (or plastics, as it were) on the album; and Jimmy Iovine, longtime Petty producer, twiddles the knobs. But from Maria McKee's top-of-her-lungs cry at the album's start, the listener knows that this is a Lone Justice album, and that no one else could do these songs.

"east of Eden," that first song, sounds like a pep cheer, alternating between McKee and a chorus: "Should I go north?/No!/Should I go south?/No! . . ." The band finally agrees to go east, and sprints off into the land of rock 'n' roll.



LONE JUSTICE (L TO R): VOCALIST MARIA MCKEE, GUITARIST RYAN HEDGECOCK, BASSIST MARVIN ETZIONI, AND DRUMMER DON HEFFINGTON

"After the Flood"—which sounds like Maria McKee and the E Street Band—shows Lone Justice to be more than worthy of attention from the resurgent interest in American music. Before anyone has a chance to shuffle them into a category, however, the band slinks into "Don't Toss Us Away," a ballad written by McKee's brother, formerly of the group Love: "Don't toss us away/It just ain't right/To let love die/Without a fight/I still love you/I want you to stay/So, darling, please/Don't toss us away."

Side Two struts in as full-blown Motown. "Sweet, Sweet Baby (I'm Falling)" is distinguished from Supremes only by better production and a guitar solo. "Wait 'Til We Get Home" also displays Lone Justice's R&B influences, while "Pass It On" adapts the melody from Talking Heads' "Heaven" to a blues ballad. "You Are the Light" rounds out the album's ten songs and seals the band's reputation.

And yet. . .
And yet, at that, Lone Justice is still a growing band. When Geffen first signed them, they played cowpunk; but R&B is a major direction of *Lone Justice*. Their

concert cover versions center on the sixties—perhaps Creedence is the next major influence ("Ways To Be Wicked" already hints at it)? or psychedelia? or cajun music? (The album's cover recalls the Rolling Stones' *December's Children*, for whatever that's worth.) Live highlights like "The Train Song," "Cactus Rose," "Grapes of Wrath," and a song Bob Dylan wrote for the band, "Little Boy," don't even appear on *Lone Justice*. (Rumor has it the album will be followed by an EP in the fall, so don't despair.) Maria McKee's voice cannot be improved upon, and the rest of the band are solid musicians. Guitarist Hedgecock and bassist Etzioni wrote some of the best tracks on the album—who knows where their interests may take Lone Justice next? If *Lone Justice* gets the recognition it deserves, they'll be all over America before long. If not—well, then there ain't no justice. (Sorry.)

In short: *Lone Justice* is a great album, and Lone Justice is a great band. "Should I go north?" you might ask—well, I don't really care much what direction you go, but I suggest you stop at a record store on the way.



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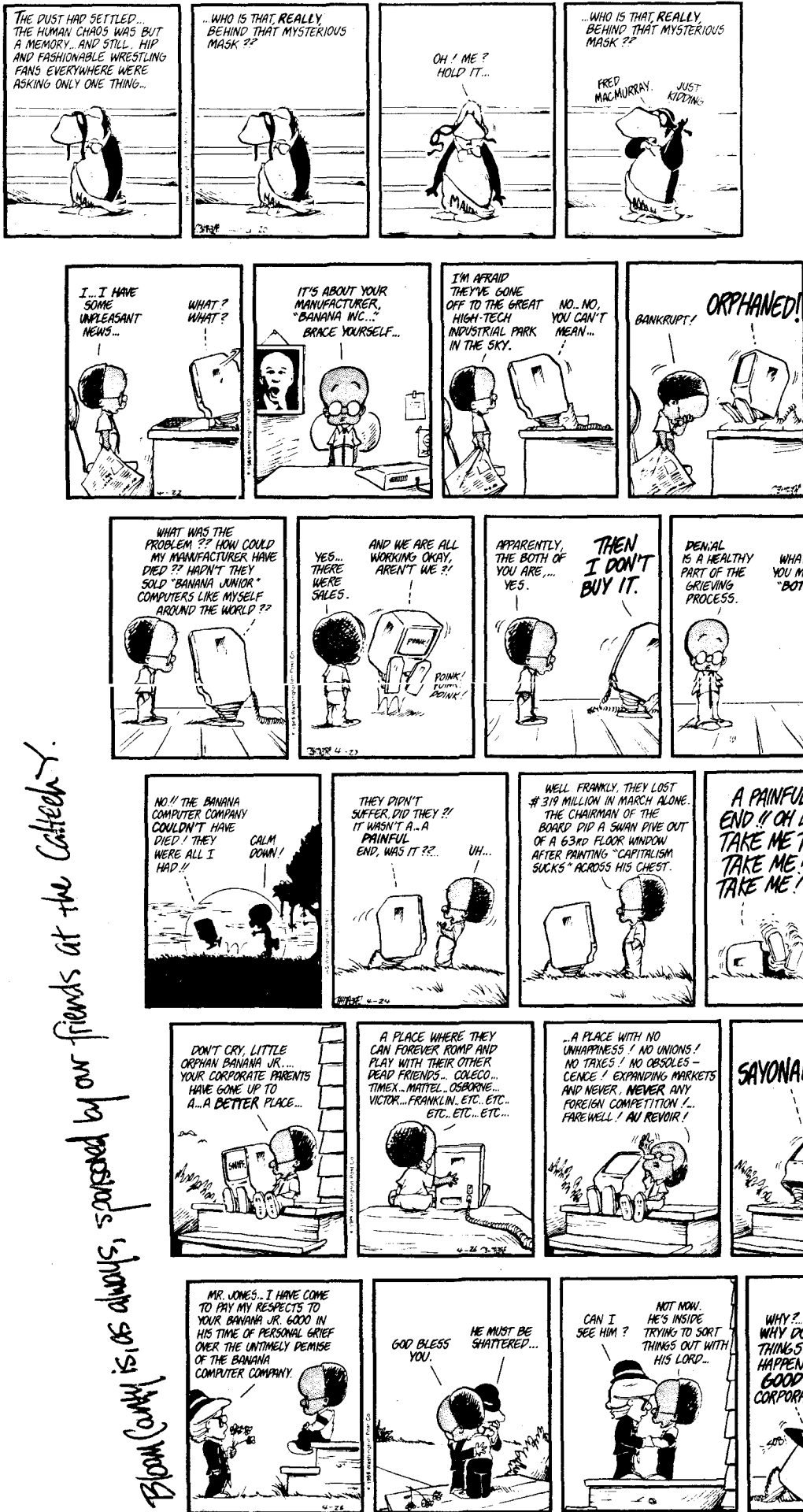
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BLOOM COUNTY

by Berke Breathed



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Paradise I

by John Fourkas
Stranger Than Paradise
Directed by Jim Jarmusch

Can a young Hungarian immigrant find happiness in Cleveland? Can her cousin, an idle New Yorker, escape boredom? Does anybody really care? For the answer to these questions and many more, see Jim Jarmusch's *Stranger Than Paradise* at the Rialto Theatre this week. It is a trip you will not regret.

Stranger Than Paradise is probably best described by the phrase "refreshingly different." It is a study of boredom, of release, and of the American lifestyle. What do you do when you are bored? Watch

football? Eat TV dinners? Read the paper? These rather unexciting activities can make up a complete life style, and it's really no surprise that the characters in *Stranger Than Paradise* live this way... or is it? What happens when you really need to escape this lifestyle, even if only for a little bit? This is the theme that *Stranger Than Paradise* pursues.

By all rights, this should not be a wonderful movie... and yet it is. Everything is done just right. The movie is shot on grainy, black-and-white film which perfectly accentuates the characters' drab lives. The camera work is all done from

continued on page 5

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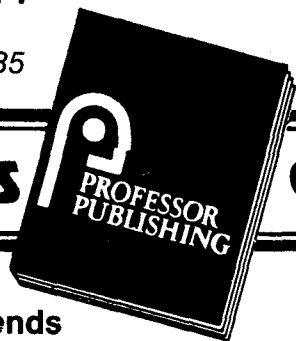
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Baseball

from page 7
score was 2-19. Others playing for personal glory included Brandon Mymodes, who was 2-4 at the plate, and Kurt Schwartz, who doubled.

On Tuesday the Beavers were less sportsmanlike. In fact, they were out of control. In the top of the first they didn't allow Pomona to score, and had the audacity to score themselves in the bottom of the first to take a 1-0 lead. Repenting this shameful start, the Beavers allowed Pomona to score eight runs in the next three innings to take a 1-8 deficit. In the bottom of the fourth, senior Ed Casey (who should know better by now) smashed a triple into deep left, and then to top it off he score to decrease the Beaver deficit to 2-8. Pomona's spirit was broken, and they only managed three more runs to make the final score 2-11. Casey was completely out of control on the day, going 2-2 at the plate, and scoring a run.

The Beavers' last home game of the season is this Saturday. This is your last chance to see Tech in action! Don't miss it!



ROBERT WILSON · PHILIP GLASS · JONATHAN DEMME · HEINER MÜLLER · DAVID HOCKNEY

TWO MAJOR EVENTS

ROBERT WILSON: SEMINAL AMERICAN ARTIST (Fine Arts 825)

Saturday, **May 11**, 10 am to 5:30 pm
Participate in an introduction to Wilson (*Einstein on the Beach* and *the CIVIL war*S). Illustrated lectures and discussions with **Robert Wilson**, composer **Philip Glass**, playwright **Heiner Müller** and artistic director **Robert Stearns**. **Michael Hackett**, professional director and UCLA faculty member, moderates.

For complete details, call (213) 825-9064.

INTERMEDIA ART: THE ERA OF INTERDISCIPLINARY COLLABORATION (Art 851.22)

Sunday, **May 12**, 9:30 am to 4:30 pm
5 pm Reception
Explore new forms of interdisciplinary art with today's innovators in music, film, painting, and theater—**Philip Glass**, **Robert Wilson**, **Jonathan Demme**, and **David Hockney**. **John Rockwell**, *The New York Times* music critic, moderates.

For complete details, call (213) 206-8503.

LOCATION: Wadsworth Theater, Veterans Administration Center, West Los Angeles

ADMISSION: **STUDENTS**—\$20 each event; tickets sold only at the door (full-time student ID required)
Series—\$95 Single Event—\$55

IN PERFORMANCE — ROBERT WILSON'S NEW WORK IN PROGRESS

EXPLORING KING LEAR, A PRODUCTION WORKSHOP—Wilson's first step in developing a new work.

Open Rehearsals
Friday, **May 10**, 8 pm
Friday, **May 17**, 8 pm
ADMISSION: \$10

Presentation of the Work in Progress
Saturday, **May 18**, 8 pm
Sunday, **May 19**, 2 and 8 pm

ADMISSION: \$20
LOCATION: Stage 1, Metromedia Square, Hollywood, Sunset Blvd. at Wilton Place (limited seating)

Charge on VISA or MasterCard by calling (213) 825-9971 or 825-9981, weekdays from 8 am to 5 pm.

ENTERTAINMENT

lead!



Psychedelic Ecstasy

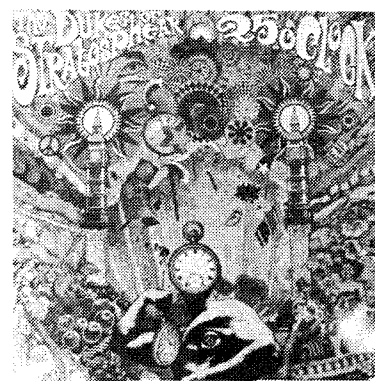
by Peter Alfke
Twenty-Five O'Clock
 The Dukes of Stratospear
 Virgin Records

"The Dukes' say it's time... it's time to visit the planet smile... it's time the love bomb was dropped... it's time to eat music... it's time to kiss the sun... it's time to drown yourself in SOUNDGASM and it's time to dance through the mirror. 'The Dukes' declare it's 25 O'CLOCK."

What we have here is not just some overlooked psychedelic classic from 1967, recently found in someone's garage next to albums by Vanilla Fudge and the Thirteenth Floor Elevators, lovingly remixed and rereleased in its original garish Peter Max-esque cover by neohippies at Virgin Records. Initial appearance to the contrary, this is *not* the Dukes' masterpiece, brimming over with fuzztone guitars, cheesy Farfisa organ, vocal harmonies and double-speed-backwards tape effects. No, this is XTC's latest masterpiece, brimming over with fuzztone guitars, cheesy Farfisa

organ, vocal harmonies and double-speed-backwards tape effects. Yes, XTC: those determinedly quirky ex-new-wave pop heroes who brought you such drop-down-dead classics as "Making Plans for Nigel," "Generals and Majors," and "Senses Working Overtime." XTC, who now pseudonymously don peace-signs and Nehru jackets and show us what would have happened had the group been around during the Summer of Love.

The journey to the center of the disc begins with the title track, echoily reminiscent of the Stones ("Paint it Black"), early Moody Blues, and sixties garage bands. If you'd told the band in 1977 that they'd ever be putting organ solos like the one *here* into their albums, you'd have been hit over the head with a copy of *Never Mind the Bollocks*. "Bike Ride to the Moon" is one of those effortlessly perfect pop songs, a song which wouldn't seem out of place on either an XTC, Monkees, or (early) Pink Floyd record, a song with lyrics as silly as any Syd Barrett ever wrote. Even better is "My



from page 4
 tripods (as opposed to booms) so that one gets a view of everything from a single spot; the camera, like the characters, is too lethargic to do unnecessary "work". The cuts often take up to three seconds, with a simple gray screen in between shots, creating a slow, uncaring pace for the movie (as again the characters live their lives). The plot takes its own sweet time in developing (in fact, it could easily be fully summarized in two sentences). The very essence of *Stranger Than Paradise* is the only thing left for the viewer to pay attention to—the subtle ironies of a lazy existence. These ironies are played out to their fullest extent, and never cease to amuse the viewer.

Stranger Than Paradise, for no readily tangible reason, captivates the viewer from the first scene. An airplane lands, and we are brought into the dingy apartment of a lazy youth in New York. The youth's

cousin is coming in from Budapest to move in with his aunt in Cleveland. His aunt is sick, however, and he is forced to take care of his cousin for ten days. The youth's abject terror at the thought of the disruption of his daily routine serves to amuse the audience while catching its attention. After this point, *Stranger Than Paradise* never lets go.

This is not to say that one should go to see *Stranger Than Paradise* with great expectations. It is outwardly a simple and charming movie, and is enjoyable as such. The humor is not "gut-wrenching," it is more of the "charming" school. It may take a while for the true wonder of the movie to sink in (if ever); nonetheless, the film is guaranteed to please, and is well worth the time off from work. *Stranger Than Paradise* plays from April 26 to May 2, every night at 7:30 and 9:25, with matinees on Saturday and Sunday at 1:45, 3:40 and 5:35.

Love Explodes," with its suitably Hendrix-sized guitar riff and fast rhythm propelling the song, then falling to bits gloriously at the end.

With "What in the World?" we begin to encounter serious Beatles influence. Lyrically similar to "The Year 2525," it fills the ears with an acid-soaked haze, replete with backwards drums, guitars and horns; weird tape gurgles and chirrups; even the occasional scratching. The song never disintegrates into spaciness, however: the aural lysergia is integrated as skilfully as in *Sergeant Pepper* into a pop melody (two or three melodies, actually, all brilliantly memorable).

"Your Gold Dress" shoves us into the garage with a fuzz-tone riff of "In-a-Gadda-Da-Vida" proportions, a riff so *dumb* you can't help but love it. Along the way we get chiming and/or squealing guitars, Beatles-like vocal harmonies, a complete change of melody in the chorus (which, by the way, goes "Vibrations coming my way when you're floating on by/In your gold dress/Vibrations come into play when you're filling the sky/With your gold dress" to the accompaniment of bouncy piano), a really pretty chiming guitar solo, and two (count 'em) fake endings, until the whole thing flanges upwards out to infinity, ending on the same high piano note that ended "Getting Better," and fades into "The Mole from the Ministry." "The Mole" begins with chirping birds, tinkly piano, and weird nursery-rhyme-like lyrics, jumping into a chorus which is definitely a homage to "I Am the Walrus." The chorus is eerily amazing in the same way the song "Valotte" is, for its uncanny Beatlessness, even down to some high, wordless singing near the end of the song. At the end come all of the sound-effects and voices from the ends of both "I Am the Walrus" and "A Day in the Life" collapsing on top of each other... then the record ends and you flip it over to hear the whole thing again.

What is one to make of this sheer anachronism in a world of Hüsker Dü, Spandau Ballet, and Twisted Sister? Are XTC attempting to cash in on the rapidly growing sixties-revivalism movement which has brought us Rain Parade and Strawberry Switchblade? Is this a joke album like *The Rutles*?

No: this record is far too much a labor of love, and (more importantly) too *good* to be considered crass or a joke. I hope I've managed to convey that all the songs on this album (EP actually) are superb; I consider this to be XTC's best album since *English Settlement* or *Black Sea*. Think of it as a fusion of the best of XTC and the best of sixties pop music.

The conclusion: if you like XTC or any of their songs, if you love *Sergeant Pepper*-era Beatles or the Monkees or just 1967 in general, then I suggest you get to a finer record store (namely Poo-Bah or Moby Disc) and purchase this album (look in the import section). If nothing else, it's worth buying just for the cover...



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Ars Amore

by Charles Barrett

Pornography and Censorship

The line separating pornography from art is a thin one, often difficult to discern and frequently subject to interpretation. As with most questions involving sex, public opinion on just what constitutes pornography is a dynamic thing. Literally, it is defined as "written or graphic representation designed to excite lascivious feelings," but for practical purposes a workable legal code is elusive.

In the United States, responsibility for censorship has for the most part passed from the state to the citizenry, with the free market acting in a self-regulatory manner. The entertainment industry is self-policing; motion pictures are rated by a uniform code for the benefit of moviegoers, and radio and television gauge public sensibilities through the ratings.

Obscenity and fall language are not permitted over public airwaves, nor is it allowed where it would be an imposition on the public at large. Otherwise, as long as minors are not involved, almost anything goes.

Communities have a say where pornographic bookstores and theaters are allowed through zoning, although it is usually the clientele of such establishments, and not the wares, that worry the civic-minded.

Gone are the days where books are banned from sale outright (as still occurs in Great Britain), although school libraries in the Bible-belt are more and more frequently coming under the scrutiny of zealous school board members. Hemingway, Lawrence, and even Twain, among others, have made it on certain groups' hit lists.

Modern society brings some new aspects to the question of pornography. On the technological front, the advent of home videos has expanded the pornographic movie market by orders of magnitude. No longer is it necessary to go out to a theater to see an X-rated film; they can now be viewed in the privacy of one's home, purchased outright or rented.

In the early '70's, *Deep Throat* was a middle- and upper-middle-class phenomenon, drawing a surprising cross-section of America out to see what all the fuss was about. Suddenly even "respectable" people could be seen at an X-rated movie without much comment, and tidy, well-appointed adult theaters were built to cater to the new market segment. By the time the novelty wore off, home video had come along and the industry had really started to boom.

Mail-order and off-the-shelf, VHS or Beta, sexually explicit video is available to satisfy the diverse tastes of the expanding market. The ability to view at home, and even to order through the mail, allows those who wish to view pornographic films to do so

without inconveniencing or offending others in any way.

Another modern development in the question of pornography and its appropriateness is the recent movement claiming that pornography's demeaning portrayal of women violates their civil rights. This argument was used recently by a student group at Cal State Northridge in their unsuccessful attempt to have the campus bookstore pull adult magazines such as *Playboy* and *Penthouse* off the shelf.

The plan proved hopelessly impracticable; no set of criteria for determining exactly what was acceptable and what was not could be arrived at without being hopelessly vague. A municipal ordinance proposed recently in a Midwestern city, using the civil rights approach, came up against the same dilemma of imprecise definition. It was eventually abandoned when it was pointed out that, as written, it defined several paintings by old masters in the local museum as illegal pornography.

There is no doubt that some pornography presents women in a derogatory and demeaning manner. It is also safe to say that the advertising potential of sex has resulted in some truly tasteless and even offensive ad copy. To attack the latter problem by legislation would be a waste of time and money in a free-market system, since offending the public does not make for good customer relations. Controversy is one thing, but outrage is bad for business.

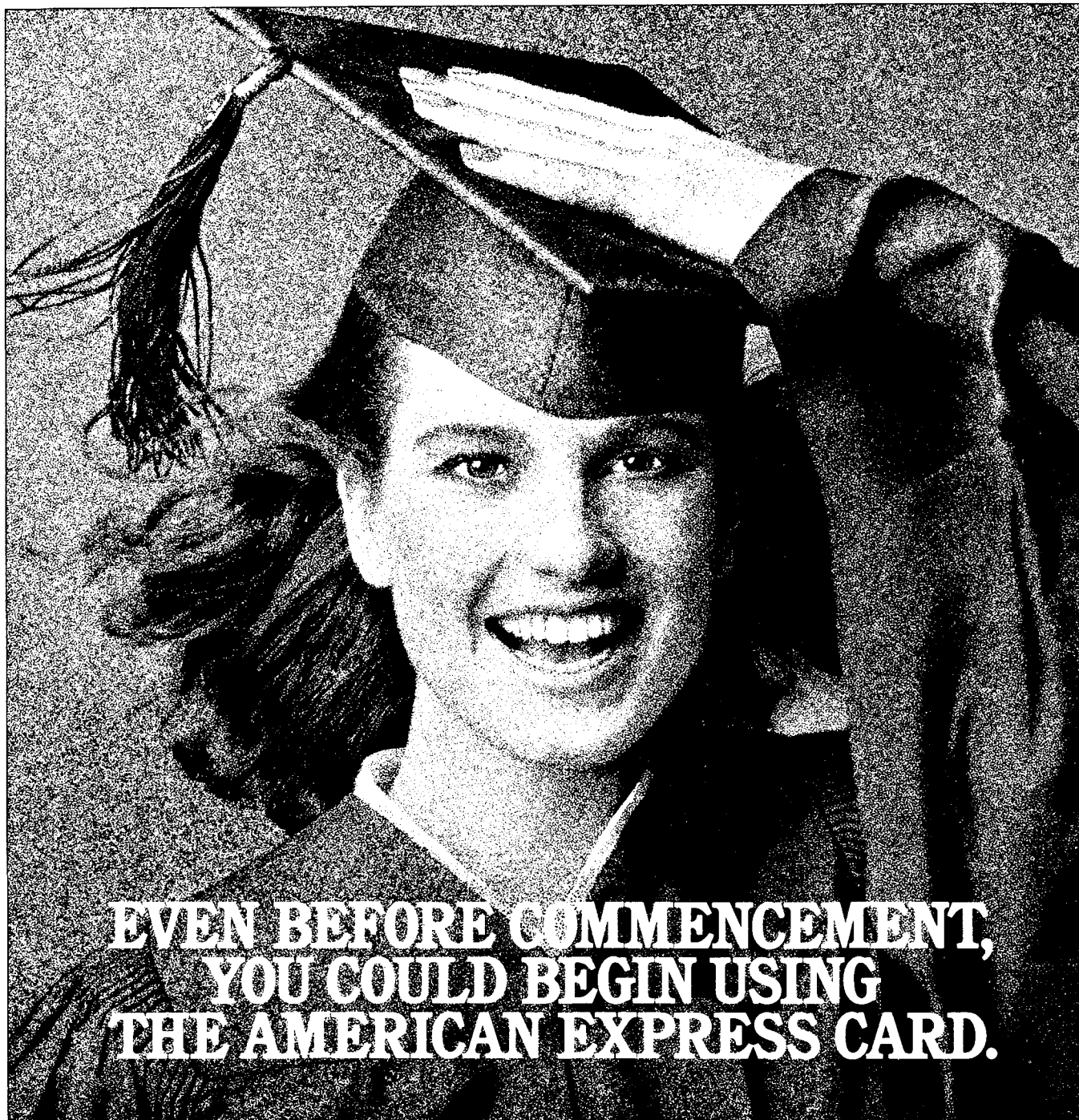
As far as a legalistic approach to the demeaning portrayal of women in pornography is concerned, there is no way around the need for specifics. The civil-rights-violation approach has its merits, but those who try to use it to do away with pornography in general are using the wrong argument. A large amount of pornography portrays women as equal partners (or even being the ones in control); gay porn, by its very nature, precludes sexism entirely. Clearly, not all pornography violates women's civil rights, and doing away with that which does would leave much pornography unaffected.

Undeniably, pornography achieves its goal of "exciting

lascivious feelings" by reducing those it portrays, pictorially or descriptively, to their sensual or sexual attributes. True, it is their good looks and not their personalities that are being presented. If it is this factor that is demeaning, then clothing catalogs are guilty of the same offense. Or is it only exploitive if the models have no clothes on? If to be sexually arousing is to be exploited, then an awful lot of us are trying very hard to be exploited.

There are moral considerations to pornography, and no one should have to be exposed to it against their will. Because of existing laws and regulations, minors and uninterested adults are protected from its imposition for the most part. Any transgressions that do occur would probably not cease even if pornography were made illegal. As for whether or not it is "good" or "bad", that is a personal decision that any adult should be trusted to make for himself or herself.

For questions, comments or suggestions about *Ars Amore*, contact Charles Barrett (1-59 by mail, 578-8593 by phone), or in care of *The California Tech*, 107-51.



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SPORTS

Beaver Baseball Uh... Consistent

by Doug Oute

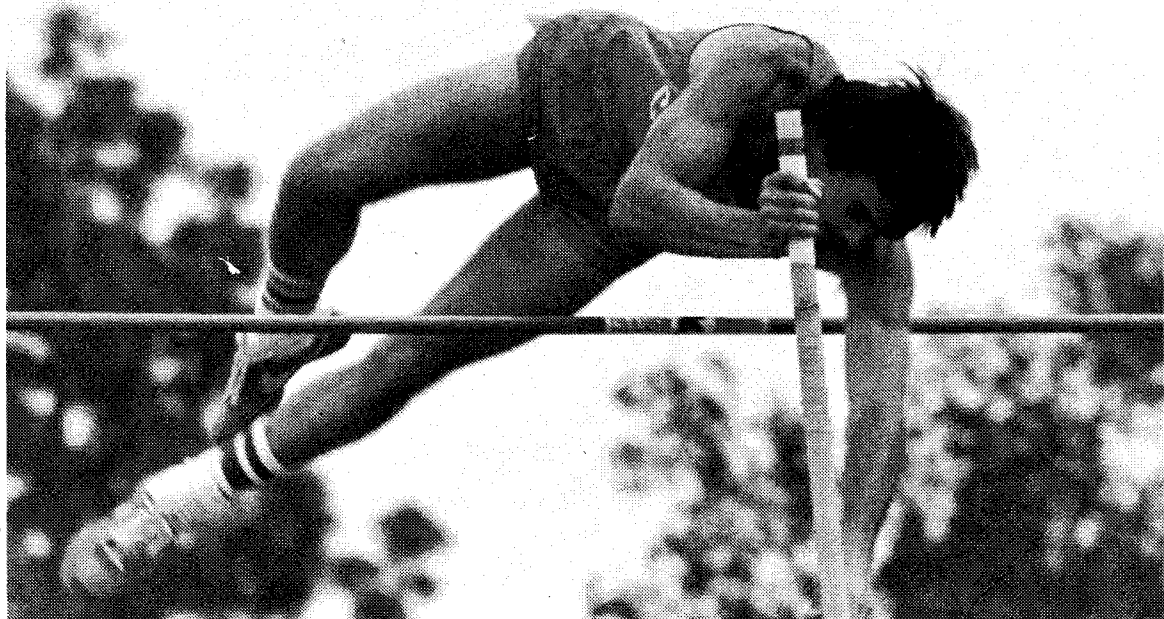
The Baseball Beavers successfully cemented their position in the SCIAC league standings last week. In a great show of sportsmanship, Caltech selflessly sacrificed itself and allowed Pomona to win three games last week, insuring that Pomona will not finish last in the league.

In the first game of Saturday's doubleheader, the Beavers got behind early and tenaciously held their score down through three innings, carrying a 0-9 deficit into the fourth inning. In the top of the fourth, however, the Beavers could hold back no longer, and scored two runs. Kurt Schwartz indulged himself by hitting a homerun to dead center field to highlight the rally. Caltech continued to allow

Pomona to score, and after five innings it was 2-14. In the sixth and seventh innings, however, greed swept through the Beaver batting order, and Tech scored six runs. The final score was 8-14, as Tech overcame temptation to hold onto the loss. Notably unable to control themselves were Kurt Schwartz, who had two RBI's, and Gino Thomas, who scored two runs.

In the second game the Beavers hung together well as a team, scoring no runs for the first five innings, and building up a 0-12 deficit. In the top of the sixth, however, Jim Hamrick got greedy and homered over the left field wall. Despite this tacky outburst, the Beavers kept their composure and increased their deficit. The final

continued on page 4



POLE VAULTER DAVE "TIGER" GALLUP CLEARS 12 FEET 6 INCHES WITH EASE AT THE CALTECH INVITATIONAL TRACK MEET

Weekly Sports Calendar

| Day | Date | Time | Sport | Opponent | Location |
|------|------|----------|----------------|----------------------|----------------|
| Fri. | 4-26 | All Day | Women's Tennis | SCIAC Tournament | Redlands |
| Sat. | 4-27 | All Day | Women's Tennis | SCIAC Tournament | Redlands |
| Sat. | 4-27 | 11:00 am | Track | Caltech Invitational | Caltech |
| Sat. | 4-27 | 12 noon | Baseball | Claremont-Mudd | Caltech (2) |
| Sat. | 4-27 | 1:30 pm | Men's Tennis | La Verne | La Verne |
| Sun. | 4-28 | 1:00 pm | Women's Soccer | Jazz | Caltech |
| Tue. | 4-30 | 3:00 pm | Baseball | Claremont-Mudd | Claremont-Mudd |
| Fri. | 5-3 | All Day | Men's Tennis | SCIAC Tournament | Claremont-Mudd |
| Fri. | 5-3 | 5:00 pm | Track | SCIAC Prelims | Occidental |
| Sat. | 5-4 | 4:00 pm | Track | SCIAC Finals | Occidental |
| Sat. | 5-4 | All Day | Men's Tennis | SCIAC Tournament | Claremont-Mudd |

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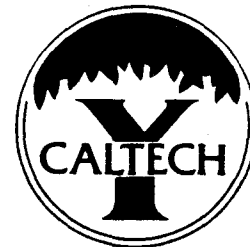
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All year long the Y has helped you. Now it is time to help us... by participating in our annual Student Fund Drive.

And this year we have an even better deal than last year: for a \$35.00 donation you have the choice of either a Caltech Y shirt or a Caltech Y cap. And \$60.00 will get you both.

(All donations are tax-deductible and you can put it on your term bill.)



Student Fund Drive

To help operate The Caltech Y I pledge the following amount.

\$ _____
(A complimentary Y T-Shirt is awarded for every pledge of \$35 or over.)

To be paid by (check one):

- Cash/Check
- Term Bill

Amount per term (term bill only):

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Spring \$ _____
Fall \$ _____

Student Account Number _____

Signature _____

Please print your name _____

House Affiliation: _____

Since The Y is here for you, your program requests and suggestions are helpful. Please note them on the back of this card

WHAT GOES ON

Material for What Goes On must be submitted typed on or with an Announcement Form, available at the offices of The California Tech, by the Tuesday preceding the Friday of publication.

May Day Munchies

All undergraduates are invited to the Master's 3rd term tea. On May Day, May 1, from 2 to 4 pm in the Master's Office. An abundance of sugar, chocolate, whipped cream, strawberries, etc. for your scarfing pleasure. ☕ ☕ ☕ ☕ ☕

Bridge Tournament

The First Great Annual Caltech Bridge Tournament was held Sunday, 21st April in two sessions. Eight teams of four entered and the winners were:

FIRST: Christie Cooper, Joe Williams, Tim Cotter and Bob Shoemaker

SECOND: Kevin Mayville, Christian Bower, Mark Fussell and James What's-His-Name

If you missed the Tournament, don't despair! Another one will be held soon. Meanwhile, Monday night bridge continues (7:00 pm, Red Door Cafe). For more information, call Jeffrey (x4744, 793-0814)

Ath Formal

Sign-ups for the Ath Formal, which will be on Friday, May 24th, have been posted in the student houses. Start looking for prospective dates, everyone! But hurry—sign-ups come down on May 10th. The cost is \$19 per couple—this includes cocktails, dinner, and dancing. A vegetarian plate will be available for those who want it. For more information or to prearrange your seating arrangements, contact your house social team or call Sam Wang at 578-9768.

C★L★A★G★S

CLAGS will be having a meeting this Sunday in 210 Baxter at 2:00 pm. Everyone is welcome to attend. Be there.

Christian Fellowship

What does it mean to be a Christian at Caltech? John Skidmore will answer this and other related questions Friday night as he speaks on Campus Vision. The meeting is at 7:00 pm in 210 Thomas with refreshments following. Everyone is welcome!

Programmer Wanted

Individual needed to develop software for data acquisition, analysis, display, and processing. Mathematical background including Fourier analysis required. Some familiarity with chemistry and biology desirable as well as some experience with computer hardware. Data consisting of large (200K bytes) arrays will be acquired and analyzed on an IBM XT with the use initially of the commercially available software package ASYST. Application is the development of prototype automated analytical instrumentation. The applicant must be able to interact and communicate effectively on a daily basis with scientists directing the project(s), and must be able to work well in a demanding scientific environment. Long term appointment with further computer applications in biological research. Salary commensurate with qualifications. For information contact: I.M. Lubomirski ext. 4955

Honor! Wealth! Fame!

The Mary A. Earl McKinney Prize of \$500 is awarded for excellence in writing. Any sophomore, junior, or senior at Caltech is eligible to compete. Essays may be ones you have prepared for a humanities class or any good piece of your writing on a topic relevant to the humanities. Papers must be typewritten and double-spaced. Students who wish to be considered for this prize should contact a member of the Humanities faculty. If the essay is worthy, the faculty member will turn the paper over to the McKinney Prize Committee. Each student is entitled to only one entry. All contestants must submit their papers to a faculty member by May 7th.

The essays will be judged by a three person committee from the Literature faculty. Papers will be judged on the quality of the thought and the effectiveness of the writing. Winners will be announced the last week of May. The name of the winner (or winners) will appear in the commencement program. The Committee may divide the award in case of more than one outstanding entry.

If you have any questions, contact Dr. Jenijoy La Belle, x3606.

Like Mom Used To...

The Caltech Service League will hold its annual Plant and Bake Sale TODAY, Friday, April 26, from 8:00 am to 1:00 pm on Winnett Patio. Come buy a cup of coffee and some home-baked cookies, and meet the volunteers who bring you Thanksgiving turkeys, Christmas boxes, etc. . . . and who help finance many student activities.

Fraternity?

Caltech has never had a national fraternity. Students here have thus been denied the unique social and fraternal benefits of such an organization. A recently circulated petition indicates that support for a local fraternity at Caltech is widespread. In the interest of fun and brotherhood for both undergraduates and graduates, a local fraternity now exists and is accepting candidates for rush. Although we are at this point a non-affiliated chapter, one of our immediate goals is national affiliation. We hope in the near future to gain the support of the administration as well as the students. For more information, contact Marc Schuyler, President, Zeta Gamma; or Stephen Hsu, Vice President, Zeta Gamma Tau.

Bagels, Cream Cheese

Come eat a delicious brunch and write a letter on behalf of Jewish Refuseniks in the Soviet Union. This Sunday, April 28, at 11am (Daylight Savings Time) in the Red Door Cafe. Food and letter-writing materials provided by Hillel. Questions? Contact Myra at x6163 or (213) 208-4427.

Shabbat

The weekly Friday night service will continue to meet at its new time (6:15-6:45 pm) in the Y Lounge on the 2nd floor of Winnett. All interested persons may be our guests at the Shabbat Dinner immediately following the service. Please call 793-3859 for more information.

Get Involved!

The sign-up sheets for Student-Faculty committees are now posted outside the MOSH. The committees are:

- Academic Policies
- Art Advisory
- Athletics & P.E.
- Computer Advisory
- Curriculum
- Foreign Students & Scholars
- Freshman Admissions
- Grievance
- Health
- Institute Programs
- Library
- Patents
- Relations with Industry
- Relations with Secondary Schools
- Scholarships & Financial Aid
- Student Housing
- UASH
- Upperclass Admissions

[Phew—Ed.] For a full description of each committee, see the *little t*. The sign-ups come down on Wednesday, May 1st. Interviews will be scheduled for the following week, and the information will be given to the house presidents and will be posted outside the MOSH by Friday, May 3rd.

Ebell Scholarships

Ebell of Los Angeles is offering awards of scholarships based upon character, scholarship, health, and financial need for the coming Fall school term. Applicants must be a legal resident of Los Angeles County, and have a minimum grade point average of 3.25. Deadline for application is May 1, 1985. For applications and further information, please come by the Financial Aid Office, Parsons-Gates, 10-31, or call x6280.

Jackets!

Athletes who wish to purchase varsity award jackets should place orders with ASCIT Athletic Manager Michael Keating (Rm 211 Page, 578-9755) before 1 May. First year varsity athletes are eligible to purchase award jackets at full cost (around \$70). ASCIT members who have won two or more varsity awards in a sport receive a 50% subsidy of the cost.

Milked Dry?

Each year Caltech awards upwards of twenty Institute and Carnation Fellowships. These awards are based solely on academic and/or research excellence, and are available to any freshman, sophomore, or junior enrolled at the Institute.

If you are interested in applying, applications are available in the office of Phoebe Ray (304 Braun). They should be returned by April 30.

Get More Involved!

Another chance to get involved! Nominations for next year's Junior and Senior Class officers (Secretary and President) will be open until Wednesday, May 1st. Send a note to Lisa Cummings, care of the Dean's Office, stating which office you would like to run for. There will be a list of candidates on the MOSH's office door.

Read All About It

There will be a meeting of the staff of *The California Tech* today at 12:15pm in room 127 Baxter. (This is also known as the class PA 15.) Feel free to stop by if you're interested in working on the *Tech*.

CLASSIFIED

HELP WANTED—

PROGRAMMING TECHNICIAN to assist in maintenance of existing scientific applications software. Produce analysis form disk resident aerometric data bases on VAX 750. Must have exp. writing scientific/engineering software in Fortran on VAX (VMS). Part time, 20 hours per week, very flexible schedule. Call Pat Cain, AeroVironment, Inc, 825 Myrtle Ave, Monrovia, CA 91016, (818)357-9983

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LOST & FOUND—

LOST: An HP-41 calculator. It may have been left behind in either the Ph7 or Ph3 labs in Bridge. If you have information, please contact Ryoji Watanabe at x6181 or Rm 209 Page.

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