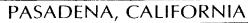
Vogt,

Yes, Provost

NUMBER 22 VOLUME LXXXVII



THE CALIFORNIA TECH Undergraduates really do want to socialize with graduate students.

FRIDAY 1 APRIL 1986



Jan Aura, Human Relations Adviser. What does she do? Read the article!

Data Analysis Center For IRAS Dedicated [CNB]-The center for scien-1000 times more sensitive than any

tific analysis of the immense store of data gathered by the Infrared Astronomical Satellite (IRAS) in 1983 was dedicated by Caltech on March 19. In its ten months of operation, IRAS provided the first panoramic view of the sky at infrared wavelengths, revealing a startling array of new phenomena, within our own solar system, in the galaxy beyond, and even to the edge of the observable universe. These discoveries included new comets, immense wispy "cirrus" clouds of dust in our galaxy, stars like our sun in the process of being born, rings of gravel-sized material orbiting other stars, and distant galaxies that glow intensely in the infrared.

"These reels of computer tape are in a true sense a buried treasure," said President Goldberger in his dedication ad-dress. "As extensive and remarkable as the first IRAS discoveries were, we have only gleaned a fraction of the knowledge that lies hidden in these data. We are honored that Caltech has been chosen as the site for the ongoing search for new insight into the infrared sky."

Caltech's Infrared Processing and Analysis Center is a one-story 17,600-square-foot building at the southwest corner of campus. It houses approximately 40 scientists, engineers, technicians, and support personnel. Also, about 100 scientists per year will visit the center to perform specific studies using the IRAS data. Chief scientist for the center is B. Thomas Soifer, Caltech senior research associate in physics. IRAS, cooled by 135 gallons of liquid helium, was launched on January 25, 1983, from Vandenberg Air Force Base. When the helium was used up as planned, IRAS ceased operation on November 21, 1983. By then, the 2,200-pound satellite had scanned the sky at four bands in the infrared, detecting almost 250,000 infrared-emitting sources, as well as producing spectra and wide-field images of the sky at infrared wavelengths. Because of its sophisticated detector system and supercold operating temperature, which reduced interference from onboard heat sources, IRAS was

infrared instrument before it.

The satellite was a joint project of the Netherlands Agency for Aerospace Programs, NASA, and the United Kingdom's Science and Engineering Research Council. Caltech's Jet Propulsion Laboratory was the U.S. management center for the project. The U.S. co-chairman of the Joint IRAS Science Working Group was Gerry Neugebauer, Howard Hughes Professor and professor of physics at Caltech and director of Palomar Observatory. Once the IRAS mission was completed, the project switched to a data-analysis mode, and has now moved to the Caltech center.

Infrared observations are important in astronomy because much of the universe is composed, not of stars and galaxies that shine at visible wavelengths, but of warm, solid material such as dust and gas that may glow only with infrared, or heat, radiation. Also, besides emanations at other wavelengths, stars and galaxies emit infrared radiation that can yield valuable information about their formation and structure.

According to Dr. Soifer, the

Jan Aura: Caltech's New Human Relations Adviser

by Diana Foss

Caltech finally has a Human Relations Advisor. After several years of effort by members of the Organization for Women at Caltech, the administration has created the part-time position of Human Relations Advisor and hired Dr. Jan Aura to fill it. Dr. Aura brings to Caltech a great deal of experience in psychology and in making communities work better. She holds a doctorate in clinical psychology from U.C.L.A. and has served as a psychological assistant with the Los Angeles Family Institute, a faculty member of the Women's Studies Department at C.S.U.L.B. and as supervisor of the U.C.L.A. Psychology Clinic.

As described in the ad which announced the position, the Human Relations Advisor "will serve as [a] confidential, impartial advisor and counselor to staff, faculty and students in the resolution of intra-Caltech complaints, informal grievances and problems. These sensitive classroom or workplace conflicts would cover a broad range of personal problems and might include such issues as sexual harassment, perceived discrimination on any basis, and general personality conflicts."

Enter Dr. Aura

As soon as she read this ad, Dr. Aura knew that this was a job that she wanted and would enjoy. She does not see her role as just one of counseling, but as an impartial mediator and facilitator, one who can have an effect on the entire community and make it work better for all of its members. Although she knew very little about Caltech when she first applied for the position, she was very comfortable with the idea of working at a technical school; much of her training has been in quantitative psychology, and she has no problems dealing with scientists' exactitudes.

Now that she has come to Caltech, Dr. Aura is heartened and impressed by the people that she has met. She thinks that Caltech is

beautiful, and, while she aware of dent life-related problems and, the special problems posed by such a small community, she finds Caltech's intimacy very attractive. She expects that her job will be a challenge, but she also expects it to be very rewarding.

"I work for everyone"

About the job itself, she stresses that confidentiality, impartiality and universal access are its most important features. "The Human Relations Advisor will be a resource for groups on campus without resources, and will create positive relationships among peo-ple on campus." She hopes to facilitate negotiation, conflict resolution, management skills and communication in dealing with personal matters serious enough to disrupt a working environment, but not suitable for formal grievance procedures. Dr. Aura sees staff members and graduate students as having a special need for a Human Relations Advisor, as they often the support lack that undergraduates and faculty enjoy at Caltech. She says, "Although I report to Vice-Provost Chuck Babcock, I work for everyone at Caltech, and I am also independent of any group on campus.³

Dr. Jan Aura's office is in 4 Dabney, and she is there Monday from 8 to 5, all day Tuesdays and all day Thursdays In addition, there is a Secretary to the Human Relations Advisor, Virginia Hockwald, and she will be in the office Monday from 12 to 5, all day Wednesdays and all day Fridays. The office's extension in 6990.

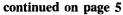
In the beginning

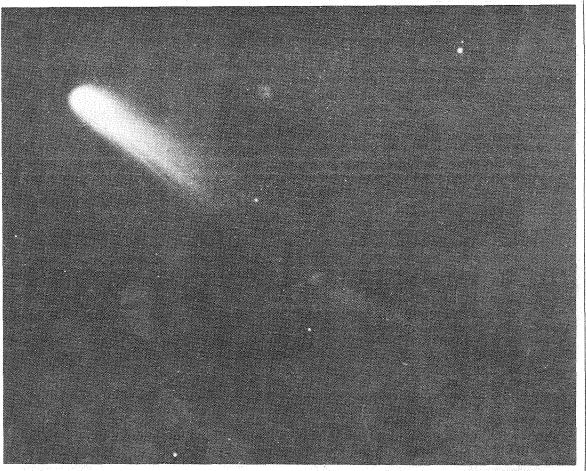
The decision to create the position of Human Affairs Advisor was not as sudden as it seems, however. Members of the Organization for Women at Caltech, having heard numerous complaints of sexual harassment, difficulties encountered with Personnel when trying to transfer within Caltech and other personality conflicts, decided that what was needed at Caltech was an ombudsperson who could advise people on job- or stumore importantly, would have the administrative power to recommend changes within the system itself. An O.W.C. committee researched how other institutions such as T.R.W., Harvard, J.P.L., Stanford and M.I.T. dealt with this need, and sent in the spring of 1984 to the President and Provost a proposal for the creation of such a position.

Vice-Provost Chuck Babcock in October, 1984 appointed an advisory committee to investigate the establishment of what he dubbed the "Campus Counselor." Don Archer, Associate Director of Personnel; Sally Asmundson, Director of Career Development; Sharon Beckenbach, staff member in Civil Engineering; Morgan Gopnik, then Assistant Dean of Students; Bruce Kahl, Director of the Counseling Center; and Leon Silver, Professor of Geology and Chair of the Institute Affirmative Action Committee constituted the Vice-Provost's committee. After five months of deliberation, the committee submitted a detailed proposal for the creation of the position of "Special Assistant to the President: Human Affairs." Some essential elements of the proposal were: ① that the position be full-time with a corresponding commitment to learn how Caltech functions as a system. 2 that the position involve not only individual counseling open to all members of the Caltech community, but that it also play a much broader advisory role concerned with overall Institute policies. ③ that the Special Assistant be directly accountable only to the President, to maintain the autonomy necessary to deal with confidential and sometimes controversial problems.

Not the way it turned out

The is obviously not the way it turned out. Vice-Provost Babcock met with President Goldberger, Provost Vogt Vice Presidents Morgan and Morrisroe, General Counsel Don Fowler and J.P.L.





IRAS data will continue to be searched for evidence of solid material orbiting other stars. Also studied will be the infrared emissions from clouds of dust where stars are being formed, from cold interstellar dust clouds, dying stars, from the center of our galaxy, and from quasars.

In particular, IPAC scientists will study a new class of galaxies that glow up to 500 times brighter at infrared wavelengths than at visible wavelengths. Scientists believe that the infrared glow may come from dust heated by large numbers of new stars igniting like strings of firecrackers within these galaxies, perhaps due to collisions or nearcollisions with other galaxies.

Further studies of the data may also yield other surprises, said Dr. Soifer. For example, evidence of a tenth planet in our solar system may yet lie undetected in the IRAS data. Such a planet, which has been theorized to orbit beyond Pluto, is most likely to be visible in the infrared.

According to Dr. Soifer, more continued on page 6

In this March 22nd photo, taken through Palomar's 18in Schmidt telescope, Halley's Comet shows a "Disconnection Event": a periodic discontinuity in its tail's magnetic field which causes the comet to lose part of its tail. Photo by Robert Thicksten, Palomar Superintendent. Copyright 1986 Caltech.

ETTERS

Ouch!

To the Editor:

Recently Blacker had movie weekend and there were lots of movies. However, I noticed something that disturbed me on a local, then universal scale. I'm talking about the reactions of two groups of people to a certain event.

The first group reaction is to be expected. When some guy in the movies takes a shot (knee, fist, or two-by-four) to the genitals, all the males in the audience reach toward their lower abdomen and groan in remembrance of that time all their vital organs tried to crawl out of their eyeballs, or at least they wince.

The females, on the other hand, are a different story. They LAUGH. It appears to me that they get real enjoyment from watching this. I remember once I took a girlfriend to the movies and when the bad guy got his, she didn't laugh. Her eyes got all squinty, had this gleam in them, and she had this kinda maniacal grin on her face (you know, the kind where you see all the teeth). I thought to myself, "Why the hell am I paying five bucks for her, so she can fantasize about turning me into a tenor?" I mean it's scary the way some women react to this situation. You feel you need a cup whenever you see one of those humans with an extra quarter of a chromosome.

I have five sisters and from their description it sounds like women receiving a blow to the chest area experience a similar enjoyment us guys do when their family jewels are threatened. I've heard that women aren't particularly enthusiastic about goal kicks in soccer. I've never seen a guy laugh when this happens, but I think we should.

I'll be in Mexico, –Steve Gómez

Food Complaint To the Editor: I have a few complaints about the food service at Chandler Din-ing Hall. Today (March 19) I bought a

Today (March 19) I bought a kebab at Chandler. When I bit into it, I found that the meat was practically raw. I went back to the server to complain. After some argument he gave me a new kebab. To my surprise, he put my old partially eaten kebab back in the serving tray with the kebabs waiting to be sold!

I am really wondering how sanitary the food service is. This is not the first time I have been concerned about it. In the past I have noticed that what appears to be an old dirty piece of cardboard is used to scrape grease off the grill at Chandler.

The dining hall is nowhere near as clean as it was under the previous food service. For instance, the chairs all have some sort of sticky coating on them.

My last complaint is not as serious as questions of sanitariness, however, the food at Chandler would be much more appetizing if it were warm. I have never received a warm entree. The chili is always completely cold too.

I believe that our present food service leaves a lot to be desired. I will not be in a rush to eat at Chandler again after today.

Sincerely,

–Pamela Derry Graduate Student



be second only to Paramount Ranch these days as far as popular filming locations go. It's said that only one out of three proposals to film on campus are accepted, but it seems to me that film crews are

by John Fourkas

The Caltech campus seems to

Just Between Friends

Orion Pictures

Directed by Allan Burns

here every other week anyway. At any rate, Just Between Friends is one of those movies. Mary Tyler Moore plays a housewife whose husband (Ted Danson) is a geologist at the "California Seismological Institute" in Pasadena. Three guesses where CSI really is . . . Holly (Mary Tyler Moore) is your average boring housewife who takes exercise classes to fill up her spare time. One night Helga, the Teutonic battleaxe who owns the gym where Holly takes classes, asks Holly to sub for a teacher. At this class Holly meets Sandy Dunlap, a swingin' television reporter who is, as near as can be, Holly's opposite. Well, opposites attract, says the produc-*tion information, and so Holly and Sandy become fast friends.

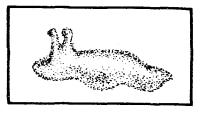
At this point, anything further that I might tell you about the plot would ruin the movie, so I'd better move on to other things. First of all, there are about five minutes of footage at Caltech, most of which are inside geology buildings. Although there is one good sequence on Bechtel Mall, I wouldn't go see the movie for that reason alone. With that out of the way, I should say that this movie is being billed as a "comedy/drama". What is a comedy/drama, you ask. Well,

as far as I can tell, comedy/drama overcome. means that some pretty intense scenes are built up, and then we are shown the funny side of them, thereby causing them to lose most of their dramatic effect. Just Between Friends uses this trick over and over again; tension is built dramatically for perhaps ten minutes at a time, only to have the confrontation passed off as dark humor. When one of the confrontations is actually taken as such, the audience becomes uncomfortable, not knowing how to deal with it. After all, up to this point everything tragic in the life of the characters amounts only to some kind of uncomfortable joke, nothing else.

ENTERTAINMENT

Just Between Friends could have worked out very well as straight drama (or possibly as straight comedy, with a few plo changes). As it is, the schizophrenic nature of the film makes it pretty lifeless. Further more, there is no obvious characte to like or to root for in the movie and not much of a character t dislike. Simply put, there i nothing to grab a hold of in Jus Between Friends-no characters no plot, and no strong emotions While the acting is fine in technical sense, it is unconvincing by its very nature (that is, by th very nature of the script). I per sonally find it rather hard to tak Mary Tyler Moore seriously, also Although she plays a seriou character in this film, she's still ob viously the Mary Tyler Moore of television, with all of the sam mannerisms and all of the same... niceness. Her character need flaws other than "wimpiness" t

When all is said and done, Just Between Friends is passably entertaining, but it's nothing to write home about. It doesn't quite manage to be funny, it doesn't quite manage to be depressing, and it doesn't quite manage to be worth seeing.



THE CALIFORNIA TECH
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MOST HOLY DEPT. Jens Peter Alfke • Josh Kurutz
BIG LAFFS DEPT. John Fourkas
SNAPSHOT DEPT. Ron Gidseg
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The Caltech Y Fly-by

Sunday...April 6

Free Philharmonic! The Y has 5 tickets. 2:30 PM. Music by Haydn, Brahms, Mozart.

Wednesday...April 9

Y PIZZA PARTY-Come find out what it's like to be on the Excomm. In the Y Lounge, 6 PM.

Thursday...April 10

Philharmonic Trip. Tchaikovsky and Shostakovich. 8 PM. Sign up by Monday, April 7.

Friday...April 11

For an introductory offer a **complimentary \$50.00** worth of fine dining checks will be offered with the purchase of min. \$100.00 travel tickets (one per family).

(818) 577-8200

468 S. Sierra Madre Boulevard, Pasadena

ASCIT MOVIE TONIGHT at 7:30 and 10:00

Bedazzled

Peter Cook Dudley Moore **Raquel Welsh**

Next Week—The Paper Chase \$1 ASCIT members \$1.50 all others Noon Concert with the Glee Club. At lunchtime on the Quad.

Saturday...April 12

Sailing Trip! (Finally!) All day, leave Tech at 8 AM. \$9.

Sunday...April 13

"Astrology: Signs of Trouble." Shawn Carlson. Cosponsored by the Y and the Skeptics. Baxter Lecture Hall, 2 PM.

Monday...April 14

Ametek Lunch with Reuben Mettler, Chairman of the Board of Trustees of Caltech, and Chairman of TRW. Free lunch at the Ath. Sign up by Friday, April 11.

Wednesday Night Videos

The Y will be showing movies Wednesdays at 9 PM. This week: "Prince of the City."

> Any questions, comments, or ideas? Come see us in the Y office or call x6163

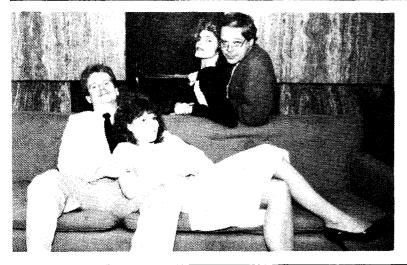
Published weakly except during examination and vacation periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors and do not necessarily reflect those of the editors...though they might.

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 letters for expediency or for any other damn reason they feel like.

Turn in copy to the Tech office mailbox, room 107 Winnett. The deadline for copy is Wednesday at 5рм; for announcements, Tuesday at 5рм. There is no deadline for large cash donations. Late copy may not be printed unless prior arrangements have been made with the editor (see "donations", above).

Subscription requests should be directed to the atten-tion of the circulation manager; yelling "Hey! You!" while waving money is often effective. Rates are \$6.00 per annum (one year), or \$100.00 per life (many years). Printed by News-Type Service, Glendale, California

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Who Are These People? Pictured here are (left to right) Taylor Lawrence, Betsy Arnold, Janet Reno, and George Roegler. What are they doing? Rehearsing for TACIT's upcoming production of *Who's Afraid of Virginia Woolf*, the play by Edward Albee upon which the 1966 movie was based. Director Lawrence, who chose the play as his senior project, promises that the Caltech production will reveal aspects of the play not explored in the movie.

The play will show April 18-20. Watch this space for further news!



- Refills on Soft Drinks and Salad Bar
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FOR THE ENTIRE MONTH OF APRIL A FREE ROOT BEER FLOAT TO ALL FRESHMEN AND SOPHOMORES

Faculty, Grad Students, Attend! Mondays and Tuesdays are Beer Days. Half price on beer.

B.C.: ON LAKE AVENUE ¹/₂ Block North of California



by Matthew Rowe Different Light Bangles

Columbia Records

On their second full album, instead of remaining ensconced in the sixties or pouting proudly into the eighties, the Bangles go nowhere. Yes, that's right-the seventies; I couldn't wish a more gruesome musical fate on anyone. The music of the seventies lacks even the stupid charm of today's pop: it is so resolutely mediocre one can't even be bothered to lament its mediocrity. On Different Light, the Bangles cover Alex Chilton's "September Gurls," one of the few good songs written between 1969 and 1976, with a noticeable lack of enthusiasm. When the try their own hand at teen angst, in "Following," the result is almost unbearable. The Bangles – the band that wrote "I'm in Line" and "Mary Street," recorded the definitive "Going Down to Liverpool," and as late as last summer produced the exuberant "I Got Nothing" (on the Goonies soundtrack) – where have they gone? A different light, indeed-but so light it's airy?

There have been worse albums, of course. Much of *Different Light* is still brilliant—the Bangles might be the only band around that can understand and use harmony—but there is no conviction here. "Manic Monday" comes closest—even a minor song by Prince is wholeheartedly enthusiastic, and this is no "Kiss"—but I seem to remember that the band once played guitars. Not to worry, they're on the other tracks-playing a few mighty fine riffs, too-with the consummate artistry of a computer. "Walk Like an Egyptian" is as stupid as a Steve Martin routine, but at least you can dance to it. Along with "Return Post," though, that's all I can remember of *Different Light*-five songs out of twelve, one stupid, one bad, and two written by geniuses-and I've just listened to the album for maybe the tenth time.

The band has talent, certainly: the playing thorughout is bright and likeable; the vocals (especially of Susanna Hoffs and Michael Steele) are tuneful and individual; the rhythms are hot and modern. You could say the same of an album by Madonna, or the Jacksons, or the Steve Miller Band, or ABC.... Pop groups are nothing new, and there's nothing wrong with them, since there's nothing to them. The problems come when a pop group reaches beyond its limitations (Genesis's "Illegal Alien"-come on!) or when, as in this case, an independent, intelligent band either succumbs to commercialism or suffers a lack of creativity and produces a merely average album. The latter is, of course, more depressing-but at least it's worth putting up with this stuff in anticipation of a return to form.



The Inside World

Fleming: Caltech's crack security team was put to the test last weekend. The result? Well, let's just say that an extra lock on our doors may not be such a bad idea...Of course, I guess that anybody could be fooled by a bunch of teen-aged cannon renovators with an "Ontario City Rental" sign boldly displayed on the side of the get-away truck. Rumor has it, though, that the Big Red Cannon will come a-rollin' home any day now, so don't run over any heavy artillery in the meantime.

The housing office has come around one hundred and eighty degrees since last term. Need anything at all refunded? Just see Z and he'll get it for you. Seem a bit arbitrary? Well...

- The Big Red Mammoth Ski Trip was bitchin'. A big thanks to Randy Brown and everybody who made it happen.
- This weekend it's beer skating.
 - Next Monday it's Blacker basketball.
- No Problem.

By the way, Fleming Classic scooped up the Dog Nuts and Spike! I think that ol' Cap'n Moebody just got demoted. Look out C League, the Classic has returned.

-Al Fansome

Lloyd: Yup, the old place just ain't the same since The Leaving. John, Dara, and the Merck Index (not necessarily in that order) were the first to go. A quick follow-up by the house copy card, the nonexistent library hole punch, HQ fridge food (though we can use the space), Dave's bride of Tuesday, and a bit of scenery that used to lie out in the South 40. But we got Norman. The long drink of water with shoes on one end and a skewed sense of humor on the other. Careful, he implodes spontaneously. Beach trip Saturday! Is Jay going to teach us another sand game? Will Keith Rosema get his just desserts? Tune in...

Sianaro,

-J.P.

Ricketts: Welcome to the wonderful world of windmills. Welcome and goodbye to Benjamin from Germany. Welcome Sylvia's luggage. Welcome Karen. Farewell and hi YoYo and Mike [Sorry to hear about your knee -Ed.]. Sooooo long EPS.

Let's all ather round Peter-Pete because he has 53 dollars in his pocket. Let's invest it in an electronic toaster that squeeks when you turn off the lights. Sorry, limit of two per customer. Mascara, toilet bowl cleaners, fabric softeners, everything else important in life: thicker is better. Strong enough for a man, but made for a SlurpeeTM.

Look, I say adios to half of Ricketts because they are going to the desert to eat and do an Indian dance to pack down the food in their stomachs so they can eat some more. Alums will go along to bang on the drum all day. Oh yeah, and to watch the comet.

People ate food at the house meeting last night. No details yet because it hasn't happened yet.

So I got rid of the food.

-Saxy

Text of Amendment to the ASCIT Bylaws

ARTICLE XIV-PUBLICATIONS

SECTION 1. The official publications of this corporation are a newspaper, the California Tech; an annual, the Big T; a handbook, the little t; a literary-art anthology, Totem; a course evaluation booklet, the Teaching Quality Feedback Report; and an Undergraduate Research Opportunities Handbook

SECTION 2. The Editor and Business Manager (if any) of each publication are solely responsible to the Board of Directors for that publication's success. The Board of Directors may make recommendations to the Editor or Business Manager in regard to policy of finances. The Board of Directors is ultimately responsible for the circulation and finances of the publications

SECTION 3. The Editor of each publication is responsible for the selection and preparation of the contents of that publication exclusive of advertising material. He is responsible for meeting deadlines agreed upon with printers or other contractors. His responsibilities terminate after the publication is printed.

SECTION 4. The Business Manager of each publication is responsible for all funds belonging to that publication. He may open accounts only with financial institutions previously approved by the Board of Directors. He will account for all income and expenditures in a manner recommended by the Treasurer. He will submit reports on the financial condition of the publication to the Board of Directors at the beginning of each term and at the end of the academic year. He is the only one empowered to transact business in the name of a publication. His responsibilities terminate after distribution of the publication, invoicing of all advertising and other receivables, payment of outstanding bills, preparation of adequate financial records, and, in the case of the Big T and the little t, the collection of all revenues from advertising and other sources. If no Business Manager is appointed for the publication, these responsibilities are also those of the Editor.

SECTION 5. All checks must be signed by both the Editor and the Business Manager.

SECTION 6. Contracts or agreements may not be made, by the Business Manager of any publication, that extend beyond the end of the academic year in which his term of office expires, unless a termination clause which requires ninety (90) days (or less) notice to be effective is part of the contract or agreement. However, the Board of Directors may enter into contracts on behalf of a publication for a period not to exceed three (3) years.

SECTION 7. Printing contracts for the Big T or the little t must be approved by the Board of Directors before they are awarded. Prior to requesting this approval, the publication (Big T or little t) must submit a budget for approval by the Board of Directors. Such a budget shall include a reserve amount of 10% of the reasonably expectable income of the publication, to be held for unforeseen expenses. The reserve amount may not be used without the prior approval of the Treasurer.

SECTION 8. The Board of Directors will pay all salaries from ASCIT funds upon satisfactory completion of the Editor's work. Commissions will be paid from the respective publication's funds upon satisfactory performance by the Business Manager. No commissions may be paid under any circumstances until the advertising has been paid for. Salaries and/or commissions may be withheld by the Board of Directors, in whole or in part, for unsatisfactory performance by the Editor or Business Manager, including failure to submit on time the required financial reports, or gross financial negligence. For the purposes of this section, a team of Editors or a team of Business Managers shall be considered as one office-holder.

- (a) The California Tech. The Editor will receive a salary of three hundred dollars (\$300) for each term's work payable at the end of each term. On advertising sold and paid for, there will be a commission of 30% of the net (actual) amount received except for advertising placed by national advertising representatives (e.g. CASS), upon which the commission will be 5% of the net (actual) amount received. The net commission will be distributed at the end of each term as follows: the first four hundred dollars (\$400) will be guaranteed to the Business Manager; of the remainder, 50% will go to the Business Manager and 50% will go to the Editor.
- (b) The Big T. The Editor will receive a salary of three hundred dollars (\$300) with a maximum possible bonus of two hundred dollars (\$200). He may appoint a maximum of four Assistant Editors, who will each receive one hundred dollars (\$100). The Business Manager will receive a commission of 5% on national solicitation service ads and 15% on all other ads.
- (c) The little t. The Editor will receive a salary of two hundred dollars (\$200) with a maximum bonus of two hundred dollars (\$200). The Business Manager will receive a commission of 15% on all advertising sold and paid for.
- (d) The Teaching Quality Feedback Report. The Editor will receive a salary of one hundred fifty dollars (\$150) with a possible bonus of one hundred dollars (\$100). He may appoint a maximum of two Assistant Editors, who will each receive a salary of fifty dollars (\$50).

Summary of Changes

Same as current §1.

Clause about printing contracts deleted: superseded by new §7 "(if any)" added because some publications (Totem, for example) do not have a Business Manager.

New section, outlining general editorial responsibilities (analogous with the section for Business Managers' responsibilities).

Revision of current §3: states more explicitly when financial reports are due; expands definition of when responsibilities terminate; assigns these responsibilities to Editor if there is no Business Manager; "financial institutions" substituted for "banks"; "income" for "receipts."

No change: formerly was part of current §3.

Revision of current §4: removes an ambiguity on how long a contract a Business Manager may make; replaces prior exceptions with general exemption for contracts with termination (escape) clauses.

New section: Big T and little t must have budgets and printing contracts approved by Board of Directors; 10% of budget to be held in reserve.

Revision of current §5: to state explicitly the already existing ability of the Board of Directors to withhold salaries and commissions because of incomplete or incompetent work by an Editor or Business Manager.

N. B.: In (a), the commission split between the Business Manager and the Editor was not changed-it's just expressed differently: \$400 per term instead of \$1200 per year.



The Re-vote for the proposed by-laws changes for Article XIV is postponed until Monday, April 14 due to lack of publicity. The previous election was determined to be invalid by the ASCIT Executive Committee. This was due to the posting of the bylaws change explanation in four of the seven houses on the day of the election.

The proposed changes are shown on the left; below are statements arguing for and against the changes.

Pro Statement

part of this proposal came about because the Board of Directors perceived a need for better fiscal responsibility on the part of those appointed to run the student publications, most noticeably the Big T. Twice within the past ten years the yearbook has needed to be bailed out for costing many thousands of dollars more than its actual income. In other years, money from the following year's book was often used to pay the leftover debt of the previous year, and a sort of "floating debt" was perpetuated. Even the recent raise of the assessment from \$15 to \$24 did not curtail this problem.

The end result has often been that the yearbook's printer did not receive his final payment until some months after invoicing, resulting in hundreds of dollars of service charges.

The proposed changes are summarized in the column to the right of the revised text. Please refer to pages 141-143 of the current little t for the current text of this article. [In a By-Laws vote last term, the words "for covers" were struck from Article XIV, Section 4. - Ed.]

The most important changes are in the new sections 4 and $\tilde{\mathcal{I}}$. The Big T and little t will be required to submit budgets to the Board of Directors for approval, and must

The major changes which are hold 10% of their expected income in reserve. By scrutinizing more closely the intended plans for these books and by requiring a financial cushion in case of error, the BOD intends to avoid the fiscal errors of the past. In addition, an already existing-but seldom observedclause requring publications to submit "term and annual reports" has been strengthened by stating explicitly when these reports are due.

> To drive home their intentions that the publications be run in a proper manner, the BOD is stating explicitly in the section on salaries and commissions (new §8) its innate ability to withhold salaries and commissions for unsatisfactory performance. To make clear what the BOD expects from its Editors and Business Managers, new sections 3 and 4 on their responsibilities have been expanded.

Minor changes, made as part of this overall revision, include:

The section on lengths of contracts was rewritten (again!) to (1) state more clearly how long a Business Manager may contract for; (2) allow contracts of indeterminate length if a termination (escape) clause is included; (3) allow the BOD to enter contracts lasting up to three years on behalf of a publication-just in case (1) or continued on page 6

Con Statement

conflict with Section 6, as contracts always extend into the academic year after the Editor's term of office (it is not feasible to have books delivered in the summer, and the contract is not complete until the books have been received and paid for; this is, admittedly, a rather minor point). The last sentence of the new Section 4 reads: "If no Business Manager is appointed for the publication, these responsibilities are also those of the Editor." This is patently unfair. Doing a proper job of being Business Manager takes about as much time as doing a proper job of being Editor; at present, our team of two Editors is constantly working just to keep up with the deadline. Someone who signs up to be Editor does not necessarily have (or wish to have) the needed knowlege of bookkeeping, ad solicitation, contract negotiation, etc. to be Business Manager. Furthermore, there is no provision for paying such an Editor for doing the Business Manager's job.

The new Section 3 is in direct through dozens of hours of negotiations with representatives from yearbook companies, and for the BOD to truly understand such a contract proposal the members would need to be present at all of these meetings (not to mention the need for a good knowlege of printing). More important is the 10%budget reserve clause. First of all, this clause is very ambiguous; I have seen three people interpret it in three different ways. A 10% decrease in revenue can mean only one thing: drastically smaller yearbooks. It is the first hundred or so pages of a yearbook that cost a lot of money, after which pages are cheap. This means that 10% of the revenue might pay for 30% (or more) of the pages. Yearbooks, in general, do not have lots of "unexpected" changes-the only ones I know of in the past few years have arisen from the BOD forcing the Big T to pay off a continuing debt. We paid \$2000 for last year's book, they paid \$2000 for the previous year's, and so on. The debt came from a poor Business Manager a few years ago, and the term and annual reports clauses should take care of the gross financial negligence problem if the BOD will just pay off the debt instead of continued on page 6

SECTION 9. For the bonuses in the previous section to be paid, the publications must be distributed no later than the following dates: the distribution date of the Big T must be no later than ten (10) days after the day of general registration first term of the following year: the distribution of the little t and the Teaching Quality Feedback Report must be no later than the day of general registration first term

SECTION 10. The Board of Directors may, at its discretion, honor all personal expense accounts incurred by the members of any publications staff while in

SECTION 11. The Editor and Business Manager of the California Tech take office at the beginning of the corporate fiscal year; the Editor and Business Manager of the Big T take office at the beginning of the academic year covered by their edition; the Editor and Business Manager of the little t take office immediately following their appointment; the Editor of Totem takes office the first day of June; the Editor of the Teaching Quality Feedback Report takes office at his appointment.

SECTION 12. Totem is to be published at the discretion of the editor.

SECTION 13. The Publications Darkroom Chairman is responsible for maintaining the publications darkroom, authorizing persons to use the facilities, and filing negatives for the use of the publications. He will receive an annual salary of one hundred fifty dollars (\$150). He takes office at the beginning of the corporate fiscal year.

SECTION 14. The Articles of Incorporation, these By-laws, and the Resolutions to these By-laws shall be published each year in the little t in completely amended form.

Revision of current §8: the clauses on termination of responsibilities were moved to new §3 and §4; "the beginning of" changed to "the day of general registration" in the Big T distribution date clause.

Same as current §6.

Same as current §7.

Same as current §9.

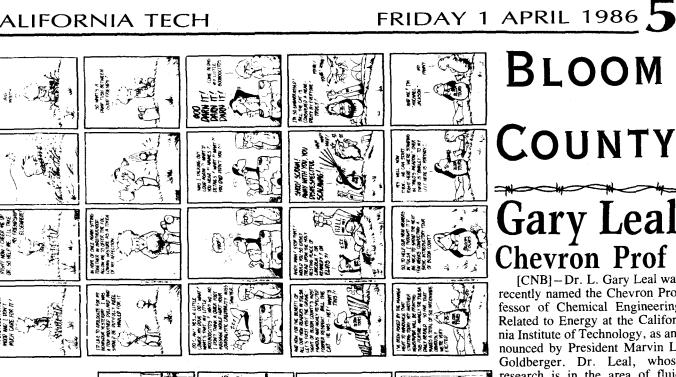
Revision of current §10: changes term of office to be that of corporate fiscal year instead of academic year.

Same as current §11.

As far as Section 7 goes, approval of a contract by the BOD can be little more than a rubberstamp, although this is not necessarily bad. The Editors and Business Managers of the Big T go

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By Berke Breathed

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BLOOM COUNTY Gary Leal Chevron Prof

[CNB]-Dr. L. Gary Leal was recently named the Chevron Professor of Chemical Engineering Related to Energy at the California Institute of Technology, as announced by President Marvin L. Goldberger. Dr. Leal, whose research is in the area of fluid mechanics and polymer physics, succeeds Dr. Henry Weinberg, who was appointed to the chair in 1981

The Chevron Professorship was established in 1980 by a gift of \$1 million to Caltech from Chevron Corporation. The professorship is held for a period of five years by an expert in an energy-related field

of chemical engineering. Dr. Leal, 42, received his B.S. in chemical engineering from the University of Washington in 1965, and his M.S. and Ph.D. degrees from Stanford in 1968 and 1969, respectively. He spent 1969-70 as a National Science Foundation Postdoctoral Fellow in Applied Mathematics at Cambridge University.

He came to Caltech in 1970 as an assistant professor of chemical engineering, becoming an associate professor in 1975 and a full professor in 1978.

Dr. Leal was elected a fellow of the American Physical Society in 1984. His honors also include the 1978 Allan Colburn Award of the American Institute of Chemical Engineers and the 1978 Technical Achievement Award of the Southern California Section of the AIChE. In 1976, he was named a John Simon Guggenheim Fellow.

His research aims at understanding the fundamental fluid mechanics behind such phenomena as the movement of oil drops in porous media, important in the technology of enhanced oil recovery. He is also trying to understand the relationship between the behavior of individual particles or macromolecules in suspension or polymer liquids, and the bulk flow properties of these materials. Such studies are important in the engineering of advanced polymers in the petrochemical industry, and in the efficient use of polymer drag reduction to reduce energy consumption in pipeline transport of crude oil.

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Human Relations from page 1

Director Lew Allen in July of last year, and what came out was the position of Human Relations Advisor. What upset most those who drafted the original proposals was the subtle shift of emphasis; instead of uncovering problems with the way that Caltech works and the way it affects people, the Human Relations Advisor would help discontented individuals deal with "their" problems. Fortunately, Dr. Aura has a keen interest in the workings of the Caltech system, and she will not be content to be only a therapist. The fact that the position was even created is a positive step forward, and Dr. Aura will serve a useful and needed role on campus. Yet the message sent by the administration seems clear enough; it is not ready to confront problems that people have, not with each other, but with Caltech itself.

IRAS Center

from page 1

sophisticated processing techniques will allow the IRAS data to be used in ways unintended by its designers. With the higher sensitivity available, he said, researchers may be able to look for a faint infrared glow that may pervade the universe, left over from the universe-that is, to provide the first burst of galaxy formation enough mass to cause the universe billions of years ago when the universe was young. The existence of this "100-micron background" is controversial, but if found, it will yield insight into the beginning of galaxies in the early universe.

With its greater sensitivity, the IRAS data may also be used to search for "brown dwarfs," planetlike objects in the galaxy that were not quite large enough to ignite in the thermonuclear fires of stars, but which still glow in the infrared. According to Dr. Soifer,

Pro Statement, Continued from page 4

(2) doesn't apply. The current wording allows the *California Tech* to "enter into contracts for national advertising . . . for a period not to exceed three (3) years." But for many years, the Tech's national advertising representatives have been offering annual contracts which automatically renew, and which have a termination clause. The new language reflects the real situation better.

The Publications Darkroom Chairman's term of office was changed to start with the ASCIT fiscal year (March 1) instead of the academic year. This will allow the new appointee to consult his predecessor while actually doing the job-an advantage the current office holder did not have.

Because "the net commission will be distributed at the end of each term" (new §8(a)), the wording of the amount guaranteed to the Business Manager was changed from \$1200 (for the year) to \$400 (for each of three terms).

To be more explicit, and to parallel the little t clause which follows (new §9), the phrase "the beginning of" was changed to "the day of general registration" in describing the Big T distribution deadline.

-Gavin Claypool

Con Statement, Continued from page 4

perpetuating it. The 10% reserve clause can only tie the hands of the publications.

The new section 8 is positively frightening: salaries may be withheld for "unsatisfactory performance by the Editor or Business Manager." No clue is given as to what actually constitutes unsatisfactory performance; as it stands, the BOD could withhold salary upon a whim (indeed, one recent Editor did not get paid for two years after he finished his job). Furthermore, I do not believe that the BOD has any business withholding salary; it is the bonus which is meant to reflect the quality of a yearbook (or other publication). An Editor works many hundreds of hours to make a finished book, and it is unfair to deny salary I do not intend to suggest that there are not any changes needed in the publications bylaws; changes are needed, and I would like to see many made. This amendment, however, will do more harm than good. Now that I have published an opposing view, I sincerely hope that we will all get the chance to rethink and revote. I also hope that my criticisms are taken positively, as I intend them to be. -John Fourkas Co-Editor, the Big T

than the planet Jupiter, could be an important key to one of the great mysteries in astronomy, called the "missing mass question." Astronomers know by measuring the motion of bodies in our galaxy and others that there exists a great deal of dark matter not bound up in luminous objects such as stars.

such objects, only slightly larger

This dark matter may be enough to effect the evolution of to cease expanding and eventually collapse in upon itself, rather than continuing to expand forever. By using the IRAS data to search for brown dwarfs nearby, researchers may be able to estimate their density and, thus, how much of the universe's matter could be bound up in these bodies.

FRIDAY 1 APRIL 1986

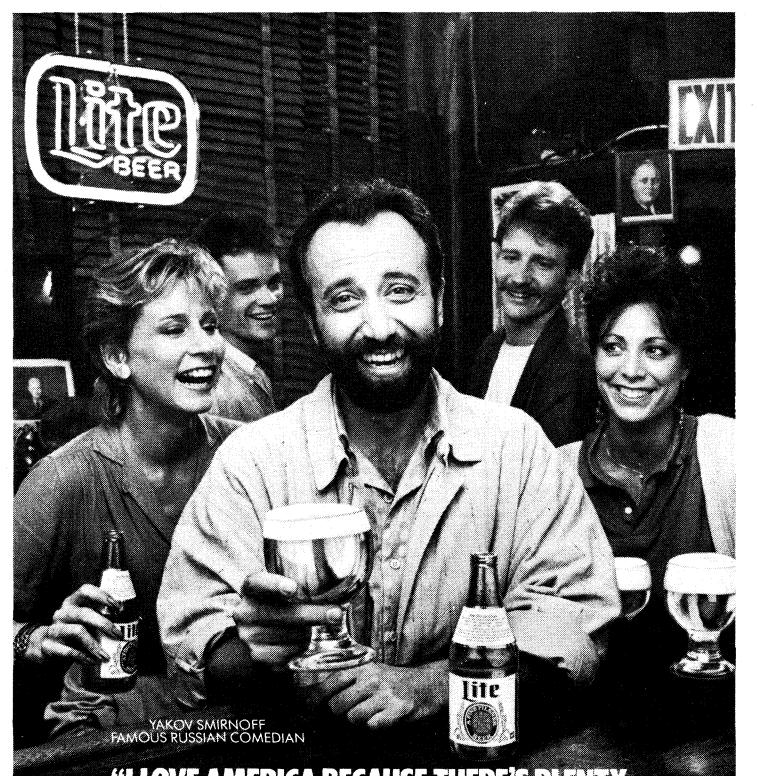
Professor David Politzer Wins J. J. Sakurai Prize

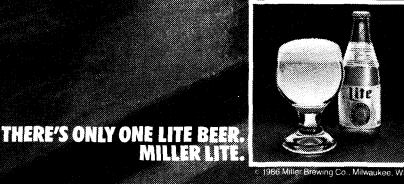
[CNB]-Dr. H. David Politzer, Washington, D. C. professor of theoretical physics at Caltech, has been awarded the 1986 J. J. Sakurai Prize by the Council of the American Physical Society for his pioneering research into the nature of quarks, the fundamental constituents of matter. He shares the \$5,000 award with Dr. David Gross of Princeton University and Dr. Frank Wilczek of the U. C. Santa Barbara Institute of Theoretical Physics. The prize will be presented at the APS annual meeting, April 28-30, in

Dr. Politzer was awarded the Sakurai Prize for his role in explaining how interactions among quarks, the building blocks of protons and neutrons, produce the strong force, which binds the atomic nucleus and holds matter together. He is currently conducting research into how events that occurred an instant after the birth of the universe may have determined the structure and distribution of matter in the cosmos.

Dr. Politzer received his B.A.

from the University of Michiganin 1969 and his Ph.D. from Harvard in 1974. He came to Caltech as a visiting associate in 1975, and returned in 1977 as associate professor of theoretical physics. In 1979, he became professor of theoretical physics.





Friends don't let friends drive drunk.

--WHAT GOES ON------

Room & Board Charges

All undergraduate students living in Caltech on-campus housing (North and South Houses and Marks House) and off-campus housing (Off-Campus Houses, 150 South Chester and 1170 East Del Mar) will be billed for third term toom and board charges on their February month's student account statement. In addition to a full term toom charge of either \$454.30 (oncampus and off-campus houses), \$492.80 (Apartment complexes and Marks House), the Housing Office will assume that students will remain on a board plan similar to the one they chose for second term and students will be charged accordingly. For example, if you are currently on a lunch-only plan, you will be billed for lunch only for third term. Students who wish to change their meal plan for third term must do so by April 4 in the Housing Office.

For questions or concerns with your room and board charges or your student account statement, feel free to come into the Housing Office and speak with Jeanine Conneally. Thank you.

Career Counseling

The Gnome Club and the Alumni Association are sponsoring aseries of Career Counseling sessions in the Red Door Cafe, from 1:30 to 9:00 pm on the nights listed below. Soft drinks, beer and munhies served.

April 10: Research in industry, academia or non-profit organizations.

May 8: Careers in small, medium or large companies.

May 22: Careers in Biology or Bio-Engineering.

Yearbook Class

You too can help out with the *Big T* and get credit at the same time (and maybe even money—a couple of assistant editorships are still available). The yearbook class, PA 15c, meets in 127 Baxter on Tuesdays at noon (feel free to come late or bring your lunch). The course is worth three pass/fail units. If you'd like to work on the *Big T* but can't make the class, call John Fourkas at 578–9952.

Party, Party, Party 🏶

The Model UN will have the last meeting to determine driving arrangements to Sacramento. The time is 9 pm in Winnett Clubroom 1. [Sorry, day not included. – Ed.]

Guitar Classes

The Beginning Guitar Class (no experience necessary) has been reformulated to include not only classical repertoire but a new jazz and folk chord system as well. This will give the student a strong classical technique and enable him to branch into other forms of guitar if he desires. For further studies in classical and flamenco, Intermediate and Advanced classes are also offered. Classes are free to Caltech students (and other members of the Caltech community, space permitting). Undergraduates can receive 2 units of credit if they choose. Classes will be on Tuesdays starting April 8 in Winnett Basement as follows:

Beginning guitar, 4:30-5:30 pm Intermediate, 3:30-4:30 pm

Advanced, 5:30-6:30 pm Private instruction can also be arranged on any level with instructor Darryl Denning. For further information, call Mr. Denning at (213) 465–0881.

Work in Japan

A Caltech alum is offering two jobs in his Japanese factory for the summer. Travel, room and salary provided. Students will be doing basic factory work. A presentation will be made by one of last year's participants in the Caltech Y Lounge, at 7:15 pm on Monday, April 7th. The deadline for submitting a brief letter of interest is April 11. If more information is required, contact Gary Lorden, Dean of Students, or Jeanne Noda, Associate Dean, x6351, 102 Parsons-Gates.

Music Festival

CalArts School of Music is hosting World Music Festival '86 on April 4, 5 and 6 on the CalArts campus in Valencia. It is open to the public and will feature guest artists of international acclaim, representing music from many nationalities and cultures.

Friday, April 4 will feature Irish and African music, and a special "surprise" band.

Saturday, April 5, is the day for the CalArts Hand Drum Ensemble, and more Javanese and South Indian music, with special guest artist Ravi Shankar (who has worked with various western artists ranging from George Harrison to Frank Zappa).

The festival concludes on Sunday, April 6, with three concerts: jazz, Balkan music and Balinese music and dance.

The program starts at 5 pm on each day. Special international meals are offered on the days of the festival. For further information, call (818) 362–2315. Tickets are available for individual days or for the entire festival.

Seatbelt Walkathon 🖷 \$1

Various local personages of note, including Caltech's own Dr. Tom Tombrello, plan to participate in an 8-kilometer Walkathon on May 4, 1986 to secure funds to promote safety seat and belt use for children and families. The event is sponsored by the Los Angeles Area Child Passenger Safety Association.

Last year, a number of Caltech students and faculty supported the first such Walkathon. This year, the Caltech community is invited to join in the Walkathon either in person or by sponsoring Dr. Tombrello and/or his daughter Kerstin. The Walkathon begins at 11 am on May 4 at the Los Angeles Zoo South Parking Lot. All participants will receive prizes, and there will be special prize drawings for grand prizes and for those who register by April 14. Registration brochures are available from Michelle Vine, 101 Kellogg, x4585.

Political Internment

The Beckman Internship will be available for the summer of 1986. This internship, supported by friends of Dr. Beckman, pays a stipend of \$2,600. It allows a selected Intern to spend the summer working in the office of a politician and to see from the inside the process of government. The Intern is expected to make arrangements with the appropriate political persons. It is open to any Techer who intends to be a Caltech undergraduate next year. If interested, contact Gary Lorden, Dean of Students, or Jeanne Noda, Associate Dean, ext. 6351, or come to the Dean's Office, 102 Parsons-Gates. The deadline is April 11.

Win a Zenith PC

The Space Weapons Study Group is having a Star Wars Off-White Paper Contest, to get people thinking about the Strategic Defense Initiative and its problems.

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Think of a destabilizing, unworkable, or incredibly expensive way to render nuclear weapons obsolete, write it up on a single sheet of paper, and send it by April 14 to the SWSG, care of the Y, 218-51. If your idea is the funniest, you win a Zenith PC!

Multiple entries are encouraged; there will be a prize for the house with the most entries. Winners will be announced on April 15.

For more information, look for the flyers that will be distributed, or call x6576 or 795-5099.

New Fiction Course

Professor Jon Klancher is teaching a class this Spring entitled Postmodern Fiction and Culture. He will be reading American postmodern writers who uncover a strange logic in the postindustrial world of mass culture, cybernetic systems, and self-replicating images and fictions, beginning with early 20th century avant-gardes to the postmoderns. The class will be a combination of readings and film. Rather than one paper students will write brief weekly commentaries, keeping a running critical journal which will eventually fulfill the writing requirement. The class will meet MW 1-2:30 in Baxter 218. Listed under Lit 180-Postmodern Fiction and Culture.

\$120,000 !!

The intrigue of high finance – come learn all about LBO's, venture capital, call and put options, etc., by playing with somebody else's money! Absolutely no prior experience required. Informative talks and free dinners. All students are welcome. Wednesdays at 5pm, Millikan board room. Call Yosufi at 796-3227 for details.

Bus Passes

If you ride the bus a lot, and are a full-time undergrad, you can get a bus pass good for unlimited nonexpress fares for \$15 per month, plus \$1 initial fee. To get it, you need a 1" by 1¼" non-returnable photo, something from the registrar indicating you're really here, and a form which also ought to be at the registrar's office. You have to do all this twice a year, but it's cheap if you ride the bus very often. The form will tell you where to get the pass itself. Still confused? Write RTD, Los Angeles, CA 90013.

Summer Jobs

The Alumni Association, in conjunction with the Career Development Center, has generated some summer job possibilities. These positions are *currently* available, so if you are interested in summer employment, you should come by the CDC as soon as possible. We expect to have more jobs available so please check with the CDC (Room 8, Parsons-Gates) on a regular basis.

Another Final Offer

The Poetry Workshop that meets in the Y Lounge on the second and fourth Tuesday evenings of each month now has copies of its book *Another Final Offer*. They are on sale for \$2 (cheap) and are available in the Y Office. New members are always welcome. Bring your poetry to share.

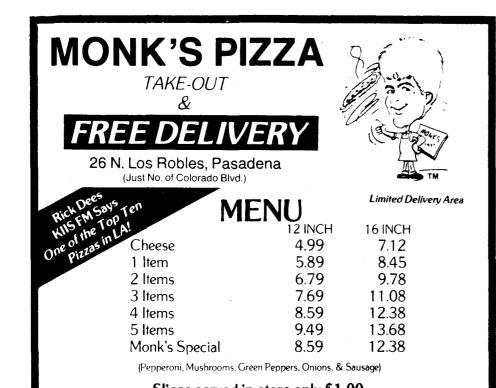
Italian-American \$\$\$

Undergraduate scholarships and graduate fellowships are available to Italian-American students. Please stop by the Financial Aid Office, Room 10, Parsons-Gates, for additional information or write to:

The National Italian American Foundation, Educational Scholarship Program, 666 11th St. NW, #800, Washington D.C. 20001, Attn. Dr. Maria Lombardo, Education Director. Phone (202) 638–0220. Application deadlines are between May 9 and May 30, 1986.

Summer at the Royal

For the first time in its distinguished 150-year history, the Royal College of Art in London will offer a special program this summer for American adult, undergraduate and graduate students through a new arts program jointly sponsored by UCLA Extension. Starting July 13, students will be able to choose from 15 courses offered during two three-week sessions at the College's campus in South Kensington, London. The normal course offerings of the Royal College are roughly equivalent to graduate school level, but these special courses are more open. The cost is high, \$1995 for one session or \$3895 for two. These fees will include bed and breakfast. all course costs, all administrative costs and group social and cultural events. The cost is slightly reduced if you make your own accomodations outside the college. For further information, call UCLA Extension at (213) 825-9496 or write 10995 Le Conte Ave., Los Angeles, CA 90024.







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The Coffeehouse 🔳 🗳

... opens tonight or the managers will be forced to recite "Bob Mackey gets free food!" until Ditch Day, which is tomorrow.

WHAT GOES ON

SSSSP Needs You ← ≪

The Summer Secondary School Science Project will be needing tutors and counselors this summer, running from Monday, June 23 through Thursday, August 7, 1986. Those interested must wish to teach and work with motivated high school youth and/or supervise them in the north undergraduate houses for the seven weeks of the program (especially during the evenings). As of this writing, 3 tutors each are needed for Biology, Chemistry, Physics/Trig, and Physics/Calculus programs, as well as 12 to 15 counselors. Contact Lee F. Browne for further details.

Y Meets Y

Techers who are interested in cut-rate use of the facilities of Pasadena's downtown YMCA are invited to let it be known at The Caltech Y. The Caltech Y and the YMCA have begun discussions of group rates for student use of such facilities as squash and racquet ball courts, the indoor swimming pool and an assortment of classes. The YMCA has even suggested a barter system whereby students would gain free admission in exchange for programming assistance with the YMCA's recently-installed computer system.

If you're interested, please write your name and particular interests on The Caltech Y's sign-up sheets. The Metropolitan YMCA is located on Marengo just west of the Pasadena City Hall (just north of the Plaza Pasadena shopping mall).

CLASSIFIED

Career Counseling

The next session of the Career Counseling Program sponsored by the Gnome Club and the Alumni Association will be on Thursday, April 10 from 7:30 to 9:00 pm at the Alumni House, 345 South Hill Ave. Topic: Research in Industry, Academia, or Non-Profit Organizations. Undergrads and grad students are welcome. Refreshments will be served.

CCF Meeting

Welcome back. The Caltech Christian Fellowship will resume its weekly Friday night meetings tonight at 7:00 pm SHARP in Franklin Thomas, room 210. Dave Schmeltzer will be speaking on prayer. Come and hear what it means to communicate to God and how he enriches us through prayer. Refreshments will be served afterwards.

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Join the Y

If you've ever wondered what the Y does, or why it puts on its activities, then come to the Y lounge (2nd floor Winnett) at 6pm, Wednesday April 9. Members of the Y ExComm will be on hand to tell you about such programs as ski trips, Decompression, Noon Concerts, etc.

We are looking for new members, so if you are interested in organizing, or helping to organize, such events, you may just be one of the people we want.

We know that this will be at dinnertime, so, to ensure that you don't go hungry, there will be free pizza and soft drinks. Be there!

Impending Party 🝈 🔊

CLAGS will meet briefly on Monday at 8:00 p.m. in the Y Lounge to make final plans for the dance next Saturday. If you want to help with the dance or have questions, come to the meeting or call Josh at 794-5553.

Grad Student Housing

Graduate student housing information packets and applications for 1986-87 are now available in the Housing Office. If you are interested in obtaining information for next year, stop by the housing office and pick up a packet or call x6178 and a packet will be sent to

Hispanic Scholarships

The Society of Hispanic Professional Engineers Foundation is offering scholarships for the 1986-87 academic year. Applicants are assessed and graded on: GPA, activities, SHPE membership, student comments, educational desire, financial need and counselor's comments. Please pick up application materials in the Financial Aid Office, Room 10, Parsons-Gates. Application Deadline: April 15th.

Bridge Tournament 🕆

Don't forget the tournament! We start at 1:00 pm (please be early!) on Sunday, April 6th in Clubroom 1 (upstairs Winnett). Play is in two sessions (afternoon and evening). Come as a team (of four), pairs or just individuals.

Don't miss out on the fun, the prizes, the unforgetable experience...Call Jeffrey (x4543) for more details.

Caltech's Own

Caltech-Oxy Orchestra Shabbat Social 🏾 🏆 🌣

The Caltech-Occidental Symphony Orchestra will perform in Ramo Auditorium next Wednesday, April 9, at 8 pm. Allen Robert Gross will conduct a program consisting of Haydn's Symphony No. 88, Mozart's Clarinet Concerto, and Borodin's "In the Steppes of Central Asia." Clarinet soloist in the Mozart concerto is David Martyn, the winner of this year's Student Concerto Competition.

It's worth noting that Borodin (1833-1887) wrote the music which was freely adapted for the musical Kismet, which was performed last month with great success by TACIT. So if you want to hear this. music in its original setting, come to the concert. Admission is, as always, free.

The program will also be performed in Thorne Hall on the Occidental campus on Tuesday, April 8 at 8 pm. For further information, call (213) 259-2785.

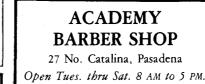
Student Travel 🛥 🛩

Two representatives from Student International Travel will be on campus this Friday, April 4, from 11:00 to 1:30 to answer any and all questions regarding student travel abroad this summer. They'll have a table set out on the quad, providing brochures on various trips, how to travel well but cheap, and lots of possible trips you'll find interesting. Whether or not you're planning to travel this summer, here's a chance to learn the ins and outs of planning for one.

More Nominations

Nominations for Caltech Coffeehouse Manager are now open and will remain so until April 8th. Nominations for Communications Director and *Big T* Editor are still open and will remain so until April 8th

For job descriptions please consult the *little t* or the present office holders. Sign up in front of the MOSH's office or in the student houses.



Join the Occidental Jewish Student Community and Caltech Hillel for a Shabbat Celebration on the Oxy campus on Friday, April 11 at 6 pm. Dinner will be provided by Hillel. We will coordinate rides at the Tuesday meeting on April 8. To RSVP or for any questions call Myra at x6163 or (213)207-4427

Prejudice in America

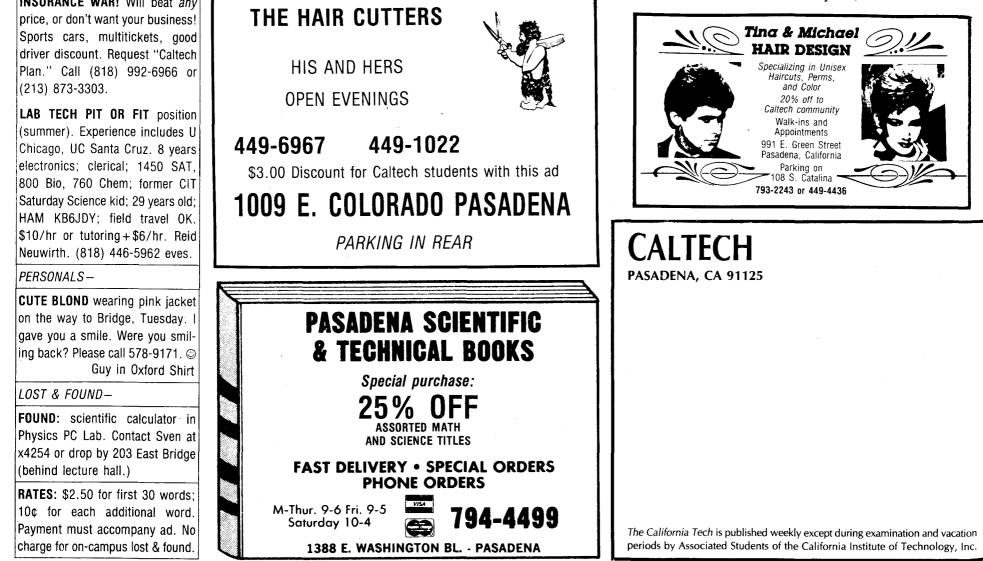
Come join us for a special discussion on "Prejudice in America," Tuesday, April 8, 4:30-6:00 pm in the Y Lounge. Sponsored by Hillel.

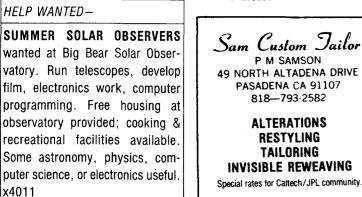
Attention Writers! 🖉

The Literature Faculty is proud to announce the 40th annual McKinney Competition. The Mary A. Earl McKinney prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as sophomores, juniors, or seniors are eligible to enter. This year three prizes will be given in three categories: poetry, prose fiction, and non-fiction essays. All submissions must be typewritten and double-spaced. In the poetry category, entrants may submit up to three poems. Submissions of prose fiction should not exceed 12,000 words. Essays may be ones prepared for a humanities class or any good piece of original writing on a topic relevant to the humanities. The prize in each category will be \$300.

Each student is entitled to only one entry in each category. All contestants must submit their work to Professor Jenijoy La Belle, Division of H&SS (Dabney 211) by no later than May 1, 1986. No entries will be returned. Each category will be judged by a three person committee from the Literature faculty. Essays 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 names of the winners will appear in the commencement program. There will be an awards banquet on May 29. The Committee may divide the award in each category in case of more than one outstanding entry.

If you have any questions, contact Dr. La Belle, x3606, or Betty Hyland, x3609.





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