



THE CALIFORNIA TECH

It's
Frog
Season!

VOLUME 85

PASADENA, CALIFORNIA / FRIDAY, SEPTEMBER 23, 1983

NUMBER 1

Welcome /Michael Chwe

I welcome all newly arrived freshmen and transfer students to Caltech and hope that you all have an enjoyable time at Catalina and in the years to follow.

Most Caltech students come to Caltech anticipating an education in part of the large world of science and engineering. Caltech, of course, offers many opportunities for learning in many fields. But for the first few weeks of the first year Caltech provides great opportunities for learning about yourself.

The word "Caltech" applies to much more than just the teaching and research which goes on here. Especially for the undergraduates, "Caltech" is the name of a society as well— a society unlike any other, and a society which includes you. This society has its own customs and traditions, institutions, idiosyncrasies and even language, all of which you will encounter shortly.

Your life is in a period of great change. Your living surroundings, physical and social, will be different from what you are accustomed. Your social relationships will likely be quite different. Your pattern of daily activity will likely be quite different. The list of all changes in your life which will take place upon coming to Caltech is likely quite long.

Many of these changes will occur mainly as a result of your own motivation. You will likely study as much as you think necessary, and pursue the non-academic activities which interest you. But many changes will take place as a result of simply living in a different society.

By retaining a measure of self-awareness in the weeks ahead, you will better understand how you adapt to a completely new environment. You will better understand how you "fit in" Caltech society and perhaps how Caltech "fits" you in. Such periods of change as you are experiencing presently occur only a few times in a lifetime, and are the times when we can most clearly see ourselves as social beings.

During the next few weeks, you will have the opportunity to get to know the members of your own class, all two hundred or so of them, in an environment almost free of social frames and pretenses. You will be able to approach another freshman, a complete stranger, with no excuse other than curiosity and friendliness. You will find that although Caltech students share in some ways similar interests and backgrounds, their personalities are more diverse than you might expect. I think that you will find them as foils against which you can see yourself in many new ways. This opportunity is unlikely to be matched in the rest of your life, and fades quickly as friends grow closer and potential friends more distant.

These two opportunities present themselves to you in the next few weeks. In the years to come, I hope you will recognize other opportunities and learn more about yourself as an individual and a social being, in Caltech and the larger world.

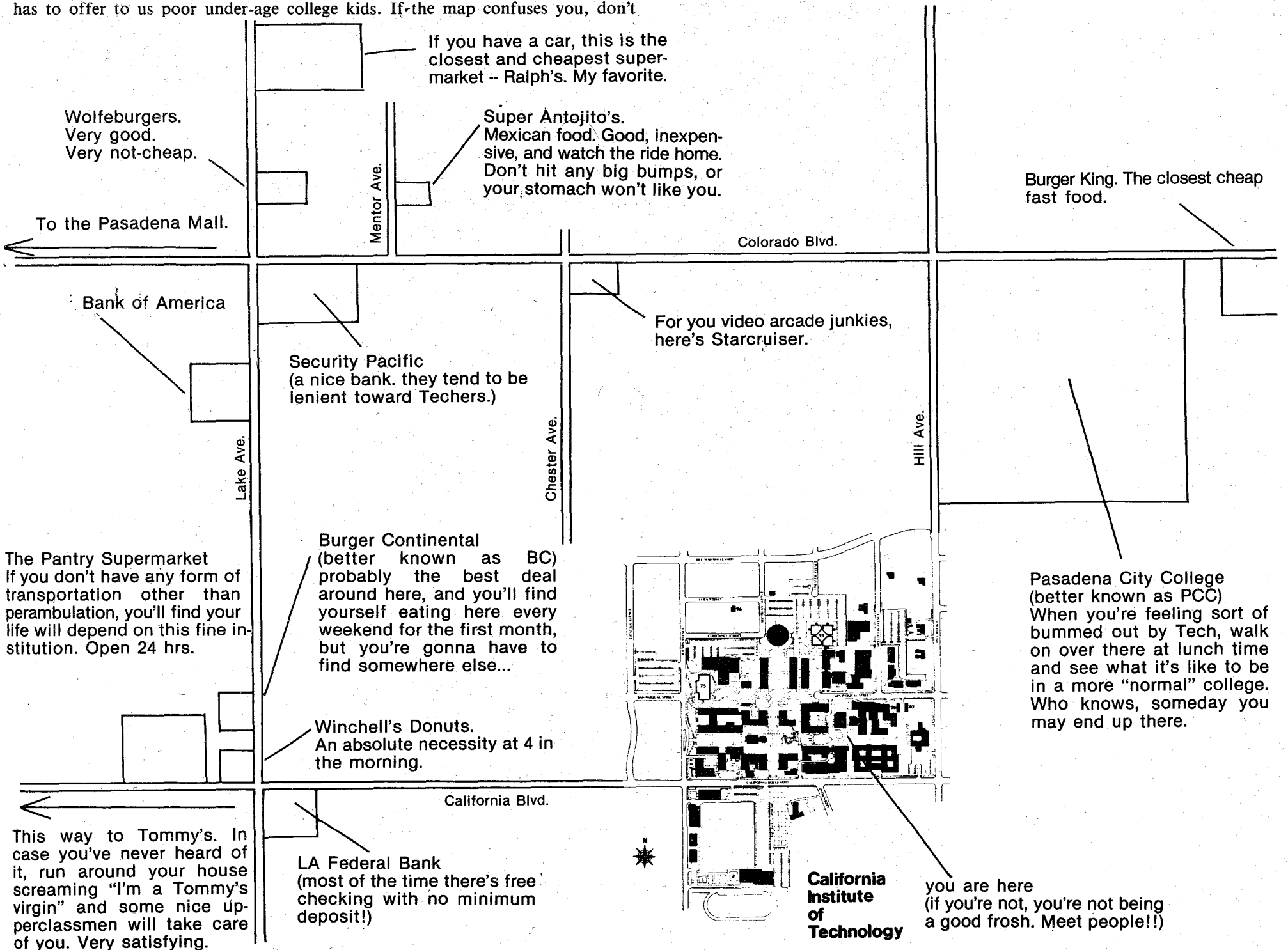
Olive Walk B-B-Q

Saturday
Sept 24
(Starts around 4PM)
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subsidize balance.

Hello froshlings. This page is dedicated to you. You're all back fresh from frosh camp, and a lot of you must be more than just a little confused. Don't worry, confusion is a way of life around here. As a matter of fact, when you get out in the real world and face sanity, you'll feel even more confused because of the lack of confusion. (Confused? Good.) Anyways, we here at the paper have put together a little map of the surrounding real world and what the exciting city of Pasadena has to offer to us poor under-age college kids. If the map confuses you, don't

worry; it means you're at the right place.

Pointed out are various places nearby that are frequented or used by Techers (by the way, YOU are a Techer now, whether you want to be or not) more often than not. For a lot more detailed information, try and get a hold of The Little T, another stupefying student publication. It, more or less, is your guide to Caltech and Pasadena life. (Ho-hum..)



Candida

George Bernard Shaw's "Candida" will be performed by The Caltech Players of the Theater Arts at the California Institute of Technology (TACIT). This comedy will run Friday, Oct. 7 through Sunday, Oct. 9 and Friday, Oct. 14 through Sunday, Oct. 16 in Dabney Hall Lounge.

Shaw's satire gives this comedy about a love triangle an ironic twist. Directed and

produced by Mike Pettersen, this play is the first in a series of student-directed productions at Caltech.

TACIT is made up of students, faculty and staff of Caltech. In this production, Rosana Gatti is featured in the role of Candida. Rev. Morell will be performed by Peter Jones. Shevaun Duiker has been cast as Miss Proserpine Garnett and Tony Dobrovolskis will play the part of Lexy Mill. Mr. Burgess will be played by Simon Davies and the role of Mr. Eugene Marchbanks will be performed by Jerry Burch.

Tickets to "Candida" are priced at \$5 general admission; \$3 for students. They are available at the Caltech Ticket Office, 332 S. Michigan Ave. For further information and specific performance times, call (213) 356-4652.

Armchair Adventures

"Hotel Barges of Europe" opens the 1983-84 Armchair Adventures travel film series at Caltech. Ken Lawrence will personally narrate this documentary, Friday, Oct. 14 at 8 pm in Beckman Auditorium.

Four converted barges travel to France, Holland and England. A 12-passenger former grain clipper, the "Lynquenda," begins its trip in Burgundy. Highlights of this excursion include traveling along the canals and viewing the shoreline activity. Lawrence visits Fontainebleau, Sens, and a wine- and brandy-tasting in Chablis.

Next, a former cargo barge,

the "Lys," travels the man-made canals of Holland. Sights along this route include windmills, Dutch architecture and flower gardens, the Delft marketplace and cheese-making in Gouda.

Aboard the "Actief," a former Dutch Clipper, Lawrence travels through England. He begins his trip at historic Windsor and Windsor Castle. Making its way on the River Thames, the barge stops at the "ghost castle"; Henley-on-Thames, the Edwardian home of the royal rowing regatta; and Bull Inn for a real pub dinner.

This tour of Europe concludes with a visit to southern

France aboard the cargo barge "Bon Jour." Highlights include a look at the castle used in the filming of *Camelot*, tasting local Corbieres wines, and a visit to an 11th century abbey said to be haunted.

Lawrence draws on his experience in radion and television announcing for his travel documentaries. His career, in addition to private travel, has taken him throughout the United States, as well as Western and Eastern Europe.

Tickets for this travel film are priced at \$6.00-5.00. They are available at the Caltech Ticket Office, 332 S. Michigan Ave. For further information, call (213) 356-4652.

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On Campus Recruiting Oct. 6



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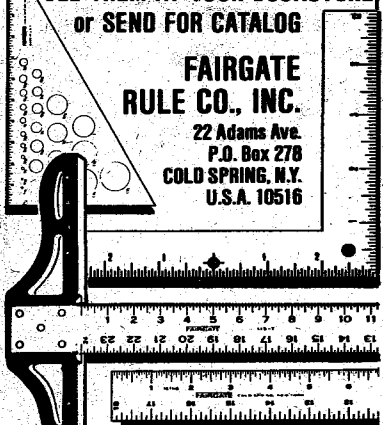
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Watson Lectures Series Fall/Winter 1983 - 4

Some Lessons from the Coalinga Earthquake
to be delivered by Professor of Civil Engineering and Applied Mechanics, Caltech on Wednesday, October 26, 1983 at 8 p.m.

The Coalinga, California, earthquake of May 2, 1983, provided dramatic evidence of the earthquake hazard posed by older buildings. It also showed the markedly better earthquake resistance of modern commercial and residential construction. Professor Jennings will review what happened in Coalinga and discuss some of the lessons that can be drawn from this and other recent earthquakes elsewhere in the world.

Is the Population Bomb Still Ticking?

to be delivered by Alan R. Sweezy, Ph.D., Emeritus Professor of Economics, Caltech on Wednesday, November 16, 1983 at 8 p.m.

Population growth statistics show clearly that it is. Death

rates have fallen while birth rates in large parts of the world remain high. Can the bomb be defused through family planning and other programs designed to bring birth rates down? Research on both the demographic transition in the Western World in the 19th Century and on recent developments in some of the less developed countries offers hope that it can. Apart from family planning and the effect of the rising standard of living, another more subtle factor appears to influence birth rates.

New Humanities Offerings

MU 101 will be offered in the fall term. It will be taught by Donald Caldwell on TF 1:30-3:00. The subject will be Form and Analysis of late Medieval music and Twentieth century music—the unexpected parallel. It requires only a minimal background in music. This is a course for the puzzle solver who delights in the unlocking of subtle structures and forms—a definite challenge.

H 114—European Intellectual History—will be offered this term. It is being taught by Ted Porter on Thursday at 7:30 pm. This course covers philosophy and social theory, and their relations to political, economic, and social developments.

Lit 109—Science Writing for T.V.—will be offered in the fall term. The class will meet on Fridays at 2:00 pm off campus at 306 S. Hill St. (Well, not very off-campus.)

Scores of Scores

The Schonbach Library of Musical Scores in the P.A. Room, Baxter Hall, is for the use of the members of the Caltech community. The collection consists of 350 volumes for instrumental solo, chamber music, opera scores and with particular emphasis on four-hand piano (one or two pianos) to be used for Music 18.

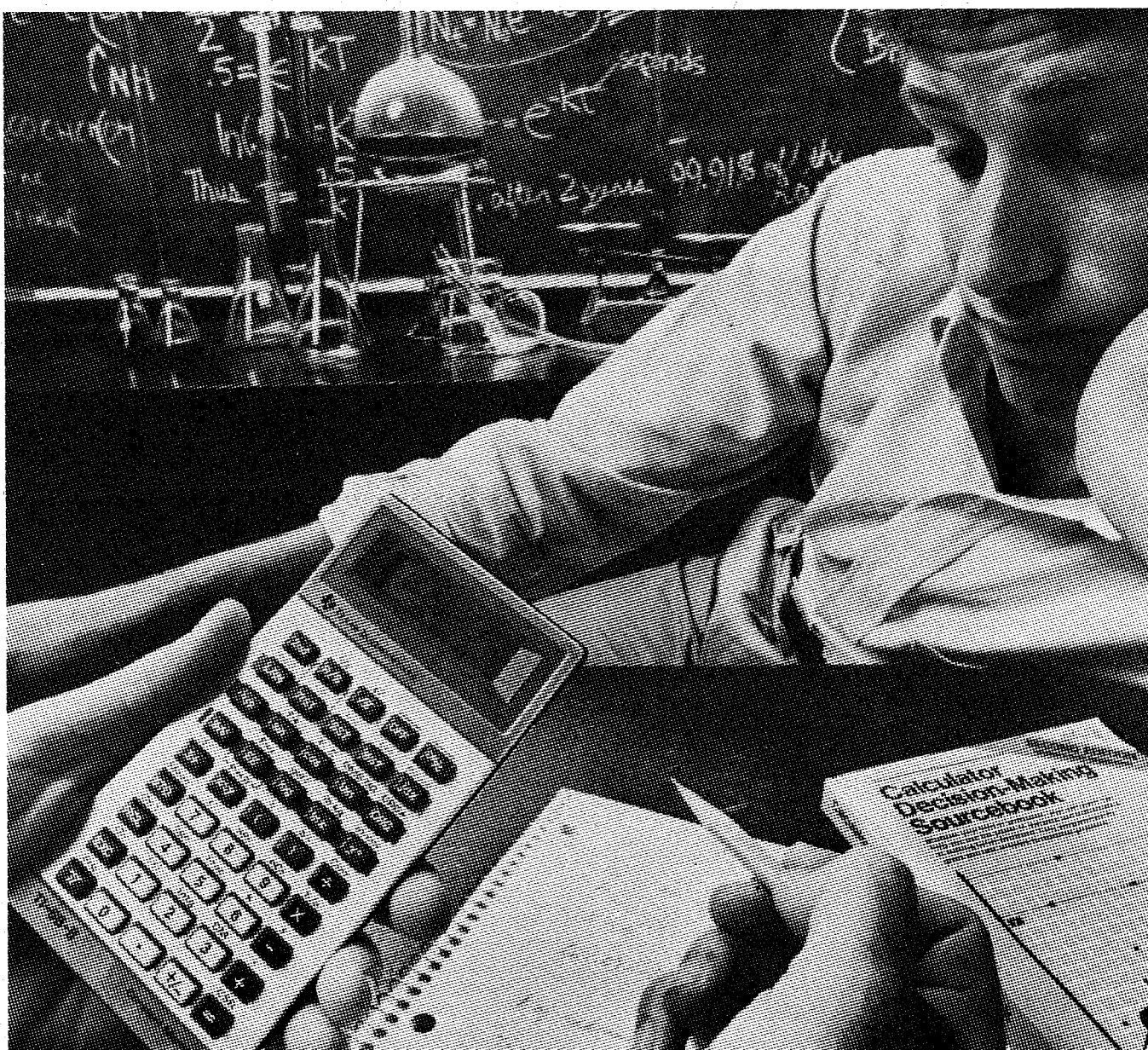
In addition to the Schonbach collection, the P.A. Room has approximately 100 study scores which were donated to Caltech in 1938 by the Carnegie Corporation of New York.

Those wishing to avail themselves of this material may do so by presenting their Caltech ID card to the librarian.

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A-B	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Master Chris Brennan	B1	Da	F1	L1	Pa	Ru	Ri
Acosta, Darin	Ru	Da	Ri	F1	Pa	L1	B1
Aldecroft, Thomas	Pa	L1	F1	Ru	B1	Ri	Da
Ando, Michael	Ri	Pa	Ru	B1	Da	F1	L1
Avalos, Matthew	Ri	B1	F1	L1	Ru	Pa	Da
Bailey, Gregory	F1	L1	Pa	Ru	Ri	Da	B1
Barela, Michael	Pa	Ru	F1	L1	B1	Da	Ri
Beck, John	Da	F1	Ru	L1	B1	Pa	Ri
Becker, John	B1	Da	L1	Ru	F1	Ri	Pa
Bell, James	B1	Da	F1	Ri	Ru	L1	Pa
Bellare, Mihir	B1	Pa	Da	F1	Ri	Ru	L1
Binun, Maya	Pa	Da	Ru	F1	L1	B1	Ri
Bland, Andrea	B1	Pa	Ri	L1	Da	F1	Ru
Bloomer, Douglas	Ri	Da	L1	Pa	F1	B1	Ru
Blume, Matthias	Ru	Da	Ri	Pa	L1	F1	B1
Blumhorst, Sandra	Ri	Pa	F1	Ru	L1	B1	Da
Bower, Kenneth	Ri	Ru	F1	B1	Pa	Da	L1
Breazeal, William	Da	F1	Pa	B1	Ri	Ru	L1
Brown, Randy	L1	Ru	F1	Ri	B1	Da	Pa
Brunn, Brian	Ru	B1	Ri	L1	F1	Da	Pa
Bullis, George	Ri	B1	L1	Da	F1	Pa	Ru
Bures, Clementina	Pa	L1	Ri	F1	B1	Ru	Da
Burl, Michael	F1	Da	L1	Ri	Pa	Ru	B1
Bush, Brett	L1	Pa	B1	Ri	Da	Ru	F1

H-K	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Ha, Binh	Pa	Da	F1	Ri	Ru	B1	L1
Hannaford, Susannah	F1	Pa	Ri	Da	L1	Ru	B1
Harrison, Daniel	Ri	Ru	B1	F1	L1	Pa	Da
Hayashibara, Kathleen	Da	Ru	L1	F1	Pa	Ri	B1
Heath, David	Ru	F1	Pa	Da	B1	Ri	L1
Hermawan, Antonius	Ru	B1	Ri	F1	L1	Pa	Da
Hesseltine, Lee	B1	Ru	F1	Da	L1	Ri	Pa
Holbrook, Jarita	Pa	Da	Ru	L1	F1	B1	Ri
Hougen, Christopher	F1	B1	L1	Pa	Da	Ri	Ru
Hsu, Stephen	Pa	Da	Ri	B1	Ru	L1	F1
Hua, Nhi	L1	Ri	Da	B1	F1	Ru	Pa
Huang, Tony	F1	B1	L1	Ru	Pa	Da	Ri
Hudson, Raymond	Pa	B1	F1	Ri	L1	Ru	Da
Hughes, Peter	F1	Pa	Ri	Da	Ru	L1	B1
Huntington, Andrew	B1	Ru	Pa	Ri	F1	L1	Da
Ip, Chi	L1	B1	Da	Ri	Pa	Ru	F1
Jagadeesh, Bharathi	Da	B1	Pa	Ru	Ri	F1	L1
Jensen, Michael	Da	Ru	B1	Ri	L1	Pa	F1
Jensen, Robert	Ru	F1	Da	Ri	B1	L1	Pa
Jungman, Gerard	F1	Ru	B1	L1	Pa	Da	Ri
Juzang, Trina	L1	Pa	Ru	B1	F1	Ri	Da
Keating, Michael	L1	B1	F1	Ri	Ru	Da	Pa
Keller, Craig	Ri	Da	Ru	L1	F1	Pa	B1
Kraft, Marilyn	L1	B1	Pa	Ru	Ri	Da	F1
Kramer, Liu-yen	Da	Ru	Pa	F1	B1	Ri	L1
Krishnamoorthy, Rajeev	Ru	Ri	F1	Pa	L1	Da	B1
Kuwamoto, Sho	Ri	Da	B1	L1	F1	Pa	Ru

Rotation 1983

C-G	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Carlin, Mark	Ru	F1	Ri	Da	L1	B1	Pa
Chang, Hwai	Da	B1	L1	Ru	Ri	F1	Pa
Chen, George	Ri	Ru	Pa	Da	B1	L1	F1
Chew, Larry	B1	Pa	L1	Ri	Ru	Da	F1
Cho, Peter	Pa	Da	L1	Ru	B1	Ri	F1
Choi, Byung	Ri	Da	B1	F1	Pa	Ru	L1
Choi, Sunbo	B1	Da	L1	F1	Ri	Pa	Ru
Chu, Yiu	L1	B1	Da	F1	Ri	Ru	Pa
Chung, Young	B1	Ri	F1	L1	Ru	Pa	Da
Cooper, Christine	Ri	Pa	F1	Da	B1	Ru	L1
Cotter, Timothy	B1	Ri	Da	Pa	F1	L1	Ru
Crandall, David	Da	Ri	B1	L1	F1	Ru	Pa
Craven, William	F1	L1	Da	Ru	B1	Pa	Ri
Currin, Bena	L1	Da	B1	Ru	F1	Pa	Ri
Cutrell, William	Ri	Ru	Da	F1	L1	Pa	B1
Davitto, Anne	Ru	F1	Pa	Da	B1	Ri	L1
DeGraene, Charles	Pa	Ri	L1	Ru	B1	F1	Da
Deeds, Deanna	Ri	L1	F1	Ru	B1	Pa	Da
De Filippo, Barbara	Ru	L1	B1	Ri	Da	Pa	F1
De Freitas, Michael	Ru	B1	Ri	Pa	Da	F1	L1
Oegen, Vladimir	B1	F1	Ru	Ri	Da	L1	Pa
Douma, Darin	Ri	Ru	B1	Pa	F1	Da	L1
Drehwing, Nancy	Da	Ri	B1	Pa	L1	F1	Ru
Ekroot, Laura	Ru	Pa	Ri	Da	L1	F1	B1
Eras, John	B1	L1	Pa	Ru	Ri	F1	Da
Evans, Donna	F1	Ri	Pa	L1	Da	Ru	B1
Evans, William	F1	Ru	L1	Ri	Da	Pa	B1
Feldman, Pamela	Pa	B1	L1	F1	Ru	Da	Ri
Ferrante, Vincent	B1	F1	Ru	Ri	L1	Da	Pa
Foxwell, Mark	L1	Ru	B1	Da	Pa	Ri	F1
Fu, Castor	Ru	L1	Pa	B1	Da	Ri	F1
Furth, Paul	Pa	Da	B1	L1	Ru	F1	Ri
Gee, Allen	Pa	B1	L1	Ri	F1	Da	Ru
Gentile, Nicholas	Da	F1	L1	Pa	Ru	Ri	B1
Ghani, Nadeem	Pa	Da	Ri	L1	Ru	B1	F1
Goedecke, Michael	Da	Ru	L1	Ri	B1	F1	Pa
Gonzales, Samuel	Ri	L1	Pa	Ru	F1	Da	B1
Gordon, Gabrielle	Da	L1	F1	B1	Ri	Ru	Pa
Gould, Thomas	Pa	Ri	Da	L1	Ru	B1	F1
Gould, Timothy	Ru	Pa	Da	B1	Ri	L1	F1
Gray, William	Pa	Ri	Ru	Da	B1	F1	L1
Greenblatt, Adam	Da	F1	Ri	B1	Ru	L1	Pa
Grteenlaw, Joseph	Ru	F1	L1	Da	Pa	B1	Ri
Griffie, Teresa	Ru	Ri	Da	F1	B1	L1	Pa
Gunning, Kevin	L1	Ru	Pa	F1	B1	Ri	Da
Gustafson, William	Pa	B1	Da	F1	L1	Ri	Ru

L	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Lade, John	Da	B1	Ru	F1	Ri	L1	Pa
Lame, John	B1	F1	Ru	Da	Pa	L1	Ri
Leahy, David	Da	F1	Pa	B1	L1	Ri	Ru
Lee, Andy	L1	Ru	Da	B1	Ri	Pa	F1
Lee, Charles	Ri	L1	F1	B1	Da	Ru	Pa
Lee, David	Ru	F1	Da	Pa	L1	Ri	B1
Lee, Sonny	Da	Pa	F1	Ru	Ri	L1	B1
Lewicki, Scott	Ru	L1	Ri	B1	F1	Pa	Da
Lewis, Steven	L1	B1	Ru	Pa	F1	Da	Ri
Li, Descartes	F1	Da	Ru	Ri	B1	Pa	L1
Liew, Boon Khim	Ri	Pa	F1	L1	Ru	B1	Da
Liu, Kim	Pa	F1	Da	B1	Ru	L1	Ri
Llewellyn, Edmund	B1	F1	Da	Ri	Ru	L1	Pa
Lodge, Stephen	F1	L1	B1	Pa	Ri	Da	Ru
Loeb, Daniel	Da	Pa	B1	L1	Ri	Ru	F1
Long, David	B1	Ri	L1	Ru	Da	F1	Pa
Lord, Robert	Da	L1	Ru	Pa	F1	Ri	B1
Luenberger, Robert	Ri	Ru	F1	L1	Pa	B1	Da

- B1 Blacker
- Da Dabney
- F1 Fleming
- Pa Page
- L1 Lloyd
- Ri Ricketts
- Ru Ruddock

- Moles
- Darbs
- Flems
- Pageboys
- Lloydies
- Scurves
- Rudds

M-O	Sun	Mon	Tue	Wed	Thu	Fri	Sat
McAdams, Stephen	B1	Pa	Ru	L1	Da	Ri	F1
Magnusson, Bengt	Pa	L1	Ru	Da	B1	F1	Ri
Mahmood, Umar	Ri	F1	Ru	L1	Da	B1	Pa
Mann, John	Ri	L1	Pa	Ru	Da	B1	F1
Mayville, Kevin	B1	L1	Ru	F1	Da	Ri	Pa
Meekhof, Dawn	Ri	B1	Ru	Da	L1	Pa	F1
Mendoza, Joy	Ri	L1	Ru	B1	Pa	Da	F1
Mihos, James	L1	Ru	Pa	Da	Ri	F1	B1
Moore, Randal	Ru	B1	F1	Da	Ri	Pa	L1
Nelson, Chad	Da	L1	B1	Pa	Ri	Ru	F1
Ney, Derek	Da	F1	Pa	Ri	Ru	B1	L1
Newman, William	F1	Da	Pa	Ri	Ru	B1	L1
Nguyen, Khanh	Ri	B1	Da	F1	Ru	L1	Pa
Nguyen, Truong	Da	F1	Pa	L1	Ru	Ri	B1
Nice, David	Da	Ru	B1	Pa	F1	L1	Ri
Nishimi, Keith	Da	F1	B1	L1	Ri	Pa	Ru
Nolan, Thomas	L1	Ri	B1	Da	Pa	Ru	F1
Nutting, James	Ru	Ri	Da	B1	F1	L1	Pa
Olich, Margaret	F1	L1	Da	B1	Ri	Ru	Pa

P-S	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Park, Albert	Ri	Da	Fl	Ru	Pa	Li	Bl
Parkinson, David	Pa	Li	Bl	Ru	Da	Ri	Fl
Parrott, Timothy	Ri	Fl	Bl	Da	Pa	Ru	Li
Patwell, Charles	Fl	Da	Ri	Li	Bl	Ru	Pa
Peting, Mark	Fl	Bl	Pa	Ru	Da	Li	Ri
Petterson, A. Albert	Pa	Ri	Bl	Fl	Da	Li	Ru
Pham, Tuyen	Pa	Ru	Ri	Da	Li	Bl	Fl
Phoniadakis, Mark	Ri	Ru	Bl	Da	Fl	Li	Pa
Piccirillo, Paul	Pa	Ri	Ru	Li	Bl	Da	Fl
Pierce, Eric	Ru	Ri	Bl	Fl	Pa	Da	Li
Pietrusiak, Stephan	Li	Bl	Ri	Ru	Da	Fl	Pa
Potamianos, Constantine	Pa	Da	Bl	Li	Fl	Ru	Ri
Priest, Douglas	Fl	Da	Pa	Ri	Bl	Li	Ru
Profit, Jack	Ru	Da	Ri	Pa	Fl	Li	Bl
Rathjen, Thomas	Pa	Bl	Li	Ri	Da	Ru	Fl
Rhodehamel, Mike	Ru	Bl	Da	Fl	Ri	Pa	Li
Roskowski, Stephen	Da	Fl	Ri	Li	Bl	Ru	Pa
Rossow, Paul	Ri	Ru	Fl	Bl	Li	Da	Pa
Ruess, Brian	Ru	Ri	Li	Pa	Da	Fl	Bl
Rupert, Emily	Pa	Da	Ru	Ri	Bl	Li	Fl
Sakamoto, Laura	Ru	Bl	Da	Fl	Li	Ri	Pa
Sangster, Karin	Li	Da	Bl	Fl	Ru	Pa	Ri
Sarapata, John	Li	Pa	Fl	Da	Ru	Ri	Bl
Savitch, Todd	Da	Bl	Ri	Ru	Li	Fl	Pa
Schafer, Douglas	Li	Da	Ri	Bl	Pa	Ru	Fl
Schiottman, Jo Beth	Bl	Ru	Pa	Ri	Da	Li	Fl
Schofield, Christopher	Ru	Fl	Da	Ri	Li	Bl	Pa
Shah, Ketan	Bl	Pa	Da	Fl	Ru	Ri	Li
Shannon, John	Ri	Li	Pa	Fl	Ru	Da	Bl
Sharfstein, Susan	Ru	Fl	Bl	Ri	Pa	Da	Li
Shonle, Michael	Bl	Fl	Li	Pa	Da	Ri	Ru
Simpson, John	Ri	Ru	Fl	Li	Pa	Da	Bl
Slagle, Timothy	Pa	Li	Ri	Ru	Bl	Da	Fl
Smith, David	Da	Ri	Pa	Bl	Ru	Fl	Li
Sondergaard, Rolf	Bl	Pa	Li	Da	Ru	Ri	Fl
Song, Moonsup	Ru	Fl	Li	Bl	Da	Ri	Pa
Sonoda, Hisaho	Fl	Bl	Da	Pa	Li	Ru	Ri
Spiegel, Ethan	Ru	Fl	Pa	Ri	Li	Da	Bl
Srinivasan, Atul	Li	Da	Pa	Bl	Ri	Fl	Ru
Stecher, George	Ri	Bl	Li	Fl	Ru	Pa	Da
Stier, Eric	Ri	Bl	Ru	Da	Pa	Fl	Li
Subramanian, Ravi	Fl	Li	Da	Bl	Ru	Ri	Pa
Suess, Matthew	Bl	Ri	Pa	Li	Ru	Da	Fl
Sun, Hung-Tao	Da	Li	Ri	Pa	Fl	Ru	Bl

T-Z	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Takemoto, Darin	Fl	Bl	Ri	Ru	Da	Li	Pa
Takeuchi, Ichiro	Pa	Ri	Li	Ru	Da	Bl	Fl
Tamanaha, Christopher	Fl	Li	Bl	Ru	Ri	Da	Pa
Tang, Jean	Bl	Ri	Li	Ru	Pa	Fl	Da
Tash, Jonathan	Fl	Bl	Pa	Ri	Li	Da	Ru
Tateyama, David	Fl	Pa	Ri	Bl	Da	Li	Ru
Tetrault, Joan	Da	Bl	Li	Pa	Fl	Ru	Ri
Than-nhut, Tranh-van	Da	Pa	Li	Ri	Ru	Bl	Fl
Tikofsky, Andrew	Fl	Ri	Li	Ru	Da	Bl	Pa
Trabosh, Sean	Da	Ru	Bl	Li	Ri	Pa	Fl
Trent, Ray	Ru	Li	Ri	Pa	Da	Fl	Bl
Tribble, David	Ri	Ru	Da	Bl	Fl	Pa	Li
Turner, Marc	Pa	Ri	Fl	Ru	Bl	Li	Da
Vagins, Mark	Li	Fl	Bl	Da	Ri	Ru	Pa
Valenti, Jeffrey	Fl	Bl	Ru	Li	Ri	Da	Pa
Vanya, Michael	Pa	Da	Li	Fl	Ri	Bl	Ru
Vasquez, Francis	Bl	Pa	Da	Ru	Ri	Li	Fl
Virgil, Scott	Fl	Ri	Li	Da	Bl	Ru	Pa
Wahi, Thomas	Li	Fl	Bl	Ri	Da	Pa	Ru
Walters, Michele	Da	Bl	Ri	Ru	Fl	Pa	Li
Waltman, Steven	Li	Ru	Fl	Da	Bl	Ri	Pa
Wang, Eric	Li	Pa	Ri	Ru	Da	Bl	Fl
Whitt, Robin	Ri	Pa	Da	Li	Bl	Ru	Fl
Wieczorek, Mark	Fl	Da	Li	Ru	Ri	Bl	Pa
Williams, J. Joseph	Pa	Da	Fl	Li	Ri	Bl	Ru
Wittman, David	Fl	Da	Bl	Li	Ri	Pa	Ru
Wolf, Ralph	Bl	Pa	Da	Fl	Li	Ru	Ri
Wong, Gerard	Ri	Li	Bl	Da	Pa	Fl	Ru
Wong, Kenneth	Fl	Ru	Da	Li	Ri	Bl	Pa
Woody, William	Ri	Li	Da	Fl	Ru	Bl	Pa
Wu, Rosaline	Bl	Da	Ri	Li	Pa	Fl	Ru
Yamazaki, Fumihisa	Da	Ri	Ru	Li	Fl	Bl	Pa
Yin, Edward	Fl	Da	Bl	Ru	Li	Ri	Pa
York, Joel	Fl	Ru	Ri	Da	Li	Bl	Pa
Yoshimoto, Kenneth	Da	Li	Ru	Ri	Fl	Bl	Pa
Zanelli, Edward	Ru	Ri	Pa	Bl	Da	Li	Fl
Zimmerman, Martin	Li	Da	Ru	Ri	Fl	Bl	Pa
Zorilla, Alex	Da	Ri	Li	Fl	Ru	Pa	Bl

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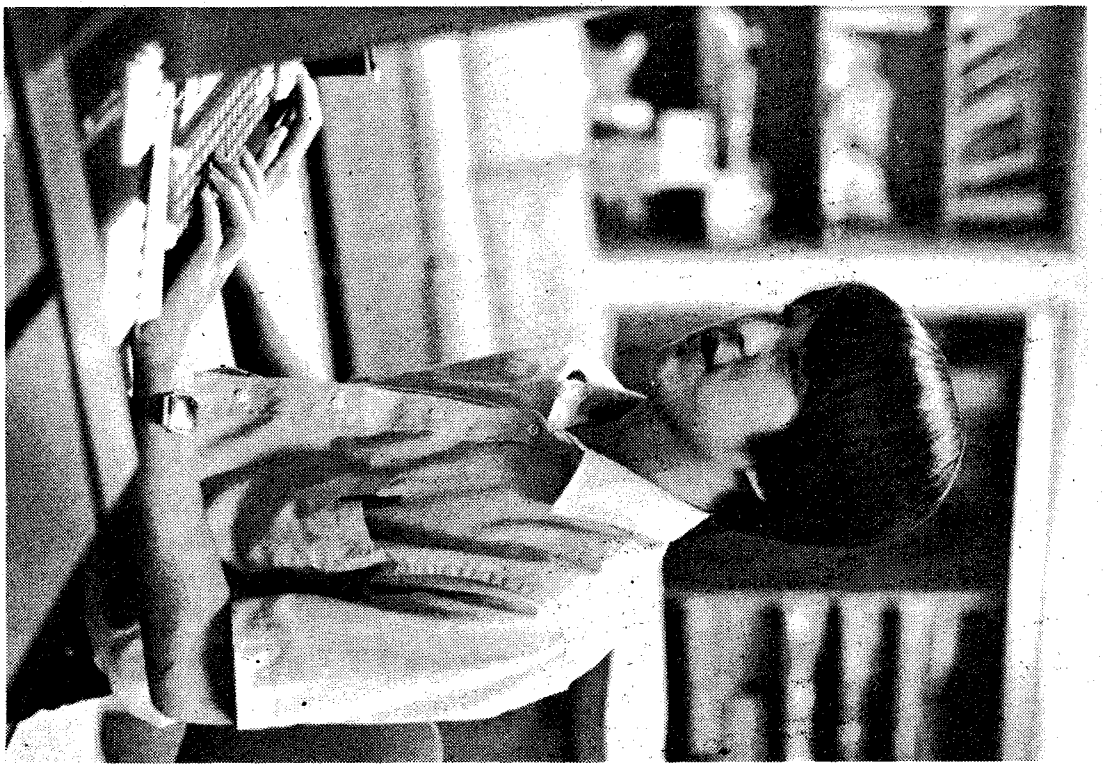
*1244 E. Colorado, on the corner of Chester & Colorado

(213) 577-7767

Meet Ken Whang,

Editor of the *California Tech* at Frosh Camp. Meet Him, Greet Him and Join the Staff. If You Miss Him There, then Come to the PA 15 meeting September 30 at 12:15 in 125 Baxter

This, by the way, is Ken Whang

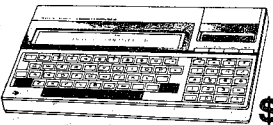


Be There or Be Square, Come to the PA 15 meeting next Friday at 12:15 in 125 Baxter.

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BA-55	43	TI-5130	60
TI-55-II	33	TI-5142-III	75
TI-57	29	TI-5219	130
TI-66 (NEW)	52	TI-5310	97



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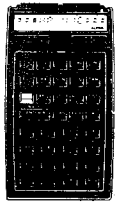
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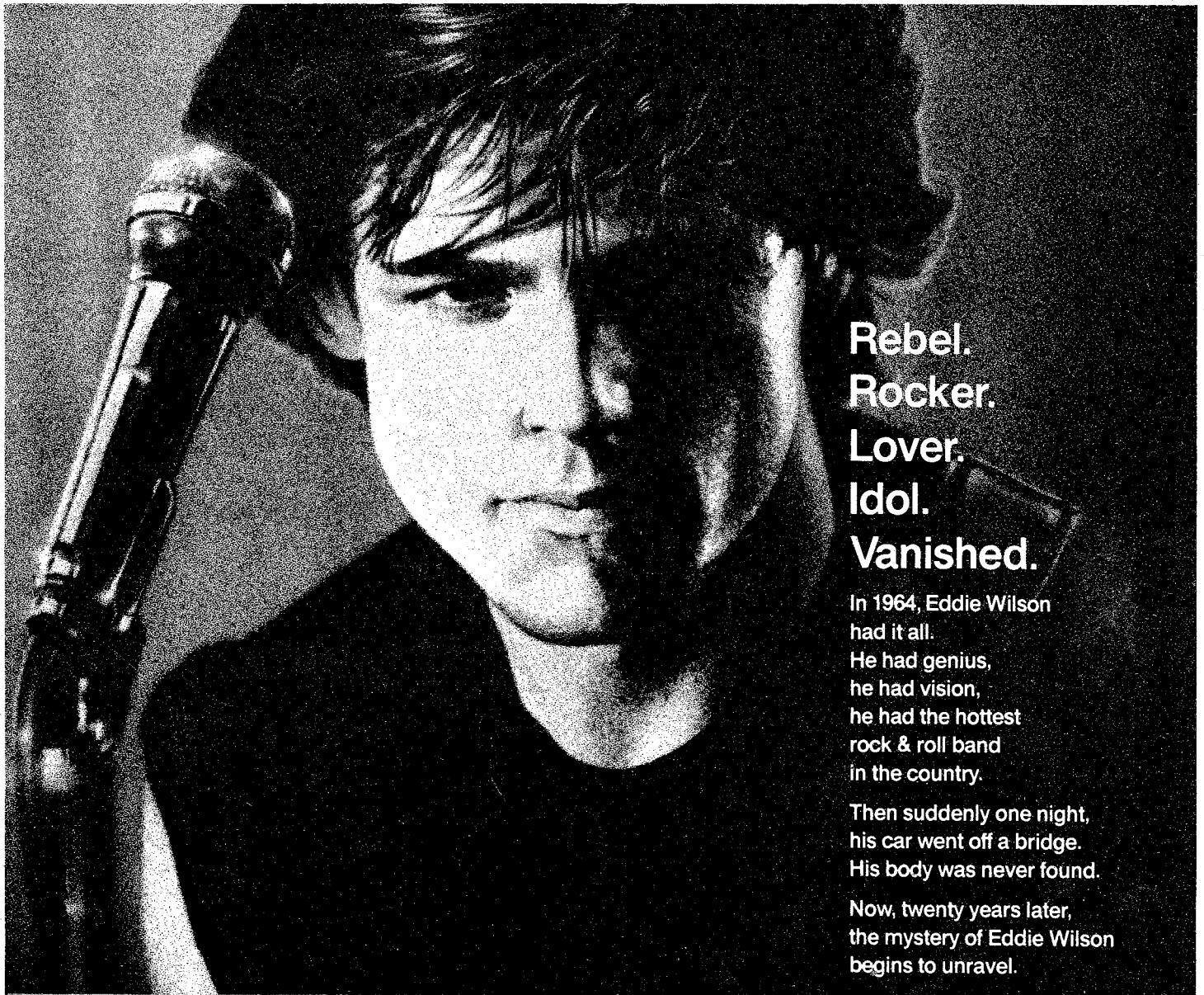
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OPENS SEPTEMBER 23rd AT A THEATRE NEAR YOU

student activities

Play Volleyball

Two! Count 'em two men's volleyball clubs—new for 1983-84: Varsity and JUNIOR VARSITY. Play, practice & compete in the sport of Southern California, better here than anywhere else in the whole USA. Coach Sandy Frey comes direct to you from the Virginia State Championship Team and will train you to play this exciting sport. Practice here and now 'em at the beach! Interested? Drop your name and address to Byron Siu, mail code 152-48, telephone x6692. Hurry! Volleyball starts soon.

Be on TV!

The Mechanical Universe wants Techers for filming a class in 201 Bridge this Sunday at 1:00 pm. Bribe offered—refreshments and gift certificates to Bookstore. Please bring notebooks and pencils.

To All Clubs And Organizations

In the next issue of the *California Tech* there will be a section designed to inform all students about the different clubs and special interest organizations which exist on campus. If you want your club or organization to be represented in this section please turn in to the *California Tech* a short description of your club stating its name, its purpose, its past activities, its dues (if any) the name and number of the person(s) in charge of the club, and the date of any upcoming meetings. Please turn this article in no later than Sept. 27 at 10 pm in order for it to appear in the September 30 *California Tech*.

Thanks.

Candi McCoy



Be a Cheerleader!

The Caltech cheer and yell leaders are looking for enthusiastic men and women to expand their squad. Absolutely no experience is necessary: all you need is two hands, two

(left?) feet, a loud voice, and a little spirit. If you were a cheerleader in high school, if you knew a cheerleader in high school, or if you went to high school, you are just what we are looking for. Don't be shy. Our eight person co-ed squad is out with a fresh new

look this year: cheering at more events and donning new uniforms. The first week of school, the men will meet to decide on their new uniforms. If you are interested (or even if you are not), contact Laura Wilson (1-60), Clare Stassen (1-55), or Sean Moriarty (1-53).

It doesn't take a lot of paperwork to get into college.

Application For CALIFORNIA GUARANTEED STUDENT LOAN STUDENT AID COMMISSION EDUCATIONAL LOAN PROGRAMS SACRAMENTO, CALIFORNIA

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ATTENTION INSTRUMENTALISTS

Interested in playing around while at Caltech? Try one or all of the following:

Chamber Music organizational meeting Monday, September 26 at 9:30 pm. Fleming basement music room.

Caltech-Oxy Orchestra September 23 or September 27 at 6:30 to 10:00 pm. Fleming basement.

Caltech Wind Ensemble Thursday, September 29 at 7:15 pm. Beckman Auditorium basement.

Caltech Jazz Band Thursday, September 29 at 9:30 pm. Beckman Auditorium basement.

Or call Bill Bing at 684-8964 for more information.

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This, of course, is not the ordinary format of the student newspaper. Unfortunately, because of exceptionally busy newspaper printers yesterday and because of our own poor planning for it, we were unable to get a full paper printed by the time you leave for Frosh Camp. I have only included here a welcome letter by Michael Chwe, a frequent contributor to the Tech.

I will be at Frosh camp as a representative of the newspaper, so if you are at all interested in working on the newspaper or otherwise have questions about it, please feel free to come and talk to me. Perhaps with some of you enthusiastic freshmen on the staff this year, we can prevent these types of problems from occurring.

The regular paper should be available Friday morning, well in time for your arrival back at school on Saturday.

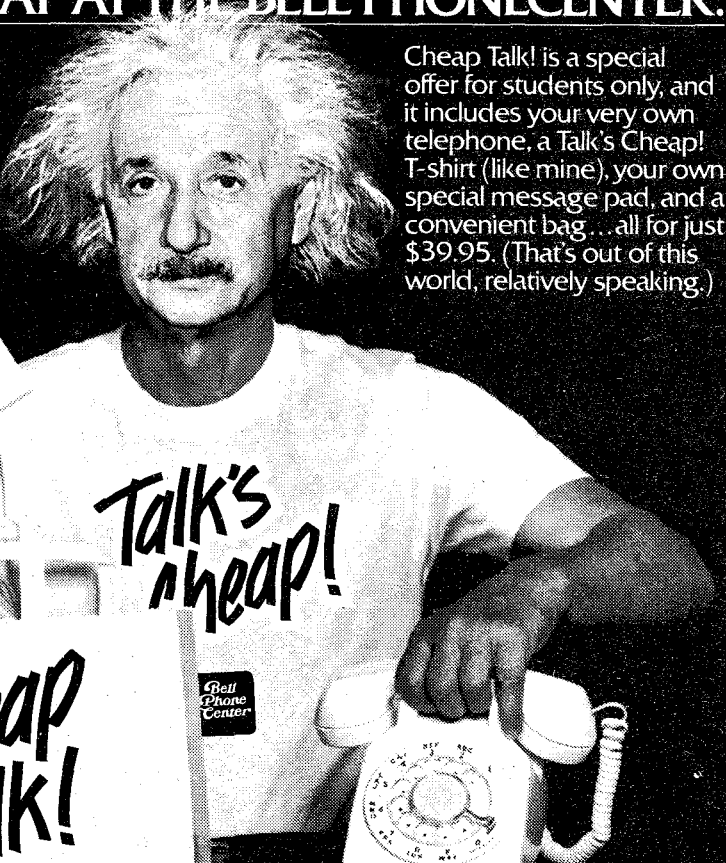
—Ken Whang, '86
Editor-in-Chief

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Talk's
Cheap!

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* Full details and entry forms are available at your participating Bell PhoneCenters. No purchase required. Void in the state of Washington and wherever prohibited by law. Open to college students registered at time of entry on a full-time or part-time basis at any U.S. College or University. Residents of Ohio ONLY may receive an entry form and full details by sending a self-addressed, stamped envelope to Bell PhoneCenter Entry Request, P.O. Box 4434 R, Blair, Nebraska, 68009. Limit one request per envelope. Requests must be received by September 30, 1983. Sweepstakes ends October 31, 1983.



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