# FIFTH

WEST COAST
ON PUTER FAIRE
CONFERENCE & Exposition on on Intelligent Machines
for Home, Business, & Industry

## **PROGRAM**

March

14, Friday 9am-6pm 15, Saturday 9am-6pm 16, Sunday Noon-5pm

COMPUTER FAIRE

333 Swett Road, Woodside CA 94062

(415)851-7075

1980

CALL FOR PAPERS, TALKS, DEMONSTRATIONS, & EXHIBITS

for the

SIXTH WEST COAST COMPUTER FAIRE

San Francisco's Civic Auditorium & Brooks Hall April 3 - 5, 1981

Everyone interested in participating in the 6th West Coast Computer Faire should contact Computer Faire, 333 Swett Road, Woodside CA 94062; (415) 851-7075. Those wishing to propose a talk or demonstration, or wishing to organize a Conference Section, should immediately request Speaker's Kits.

DEADLINE for completion of Conference Program organization, talks, & papers: Dec. 1st, 1980.

## CONFERENCE PROGRAM of the 5TH WEST COAST COMPUTER FAIRE

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9 am	FRIDAY, M.	ARCH 14TH POLK 2	S A LARKIN 1	TURDAY, LARKIN 2	MARCH 15 POLK 1	T H POLK 2	SUNDAY, M LARKIN 1	ARCH 16TI LARKIN 2
	9am - 6pm: RTTY (open ROOM	Repeater Group, seminar) 4 302	9 am - 6 pm: 9 am - 6 pm: 1 pm - 4 pm:	RTTY Repeater Gr Apple Core Meeting Personal Computer (open seminar); RC	gs; ROOMS 406 - / /Telecommunication	ar); ROOM 302 410 ons,	9am - 6pm: RTTY (open ROOM	seminar)
10 am			A CONTRACTOR OF THE PARTY OF TH			The same of the sa		A DE STATE
			Teaching About Computers & Programming	Personal Communications & Microcomputers	Computer Music	Pascal, & Pascal Machines	Digital Group Users (open meeting)	
11 am								
Noon							Computer	Business &
					100000000000000000000000000000000000000		Retailers (open meeting)	Low-Cost Computing
1 pm					Osborne's 3rd Annual Award			
	How to Hold a Seminar for your Small- Business-	Micro-Hardware	Low-Cost Computing for Education	Tutorials for the Novice	Potpourri	Significant Software for Inexpensive Machines	Medical Computing	
2 pm	Machines' staff  Legal Aspects of Software	& Interfacing						
	Protection						Computer	
3 pm	a Tall						Assistance for the Physically	and the little
							Impaired	Informational Graphics: Show Business &
4 pm					Forth Interest Group (open meeting)	Micro-Software Engineering		Know Business
	Association of Software Producers &	Unusual Microcomputer Applications	Computer Games, & Computers in		(open meaning)		Tutorial: Programming Data Files	
5 pm	Publishers (open meeting)		Education	Artificial Intelligence & Micros			in Basic	
6 pm								
	Microcomputer Industry Trade Association (open meeting)							
7 pm	(open meeting)	S COLOR SHIP	DECEMBER OF THE			WE TO THE	Contract of the last	

## 5th West Coast Computer Faire CONFERENCE PROGRAM

FRIDAY, March 14, 1980

How to Hold a Seminar for Your Small Business Machines Staff

Friday 1-2pm Polk 1

Tom Bun, Melinda Smith Compumax 505 Hamilton Avenue Palo Alto, CA 94301 (415)321-2881

Legal Aspects of Software Protection chair: Joseph R. Igelmund

Friday 2-4pm Polk 1

Writing and Negotiating the Vendor's Software License Contract: Let's Make a Deal Joseph R. Igelmund, Attorney at Law 605 Market Street, Suite 1425 San Francisco, CA 94105 (415)392-2811

The Software Jungle: Legal Pitfalls Raymond Karch, Attorney at Law Opamp Building, Suite A 1033 N. Sycamore Avenue Hollywood, CA 90038 (213)464-4358

Micro Hardware & Interfacing chair: Tom Pittman

Friday 1:30-4pm Polk 2

Home Bus Standards Association. What is It and What does It Mean? Robert J. Richardson, Director Consumer Electronics Department SRI International 333 Ravenswood Ave. Menlo Park, CA 94025 (415)362-6200 Ext. 5448

Microbotics: Enter the Table-Top Robot Arm John W. Hill, Ph.D. 1259 El Camino Real, Suite 200 Menlo Park, CA 94025 (415)326-6997

A Linear Scrolling CRT with Standard Parts John P. Cater, Manager Intelligent Systems Engineering Southwest Research Institute San Antonio, TX 78284

An Overview of Serial Communications in Microprocessor Systems Frank L. Toth, Manager

Microprocessor Marketing American Microsystems Inc. 3800 Homestead Road Santa Clara, CA 95051 (408)246-0330

**Unusual Microcomputer Applications** chair: Jack Park

Friday 4-6pm Polk 2

Energy Management for the Home with the Helion Micromanager Jack Park, President Helion, Inc. Box 445 Brownsville, CA 95919 (916)675-2478

Microcomputer-Assisted Amateur Astronomy Sidney Levin, M. D. Astronomical Society of the Pacific

San Francisco, CA 94121

Radio Wave Imaging System by Microcomputer

Yoshinao Aoki, Prof. EE Dept. Hokkaido University Sapporo, Japan

3330 Scott Blvd.

(408)727-1130

Santa Clara, CA 95050

Association of Software Producers & Publishers Friday 4-6pm Polk 1 lopen meeting

chair: Jules Gilder, President, ASPP Box 153 Rochelle Park, NJ 07662 (201)843-0550x335

Microcomputer Industry Trade Association lopen General Meeting

Friday 6-7pm Polk 1 chair: Dennis Barnhart, President, MITA clo Marketing Commodore Business Machines

Computer-Chess Players Never Turn in Their Chips -They Just Pawn Their Software, Hoping for a Good Knight

The 1980 Computer Faire Micro-Chess Tournament will be under way with at least six micros competing for the title. At the 1978 Tournament, Sargon made the news and enlightened the computer hobbyist on what could be achieved with a micro. The success story continues for the Spracklens with their newer version of Sargon 2: 2.5, and the Sargon 3. This year's tournament is still open to all who feel they have a quality chess program, and want to find out how it does against such programs as Sargon 3, Mychess 2, Voice Challenger, and the Atari Chess.

For details on entering, contact: John Urwin, 1537 Argyle Ct, San Jose CA 95132; (408)923-5662.

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See Us at the West Coast Computer Faire, Booth 1026

Computer Music chair: Hal Chamberlin Saturday 10am-noon Polk 1 Teaching About Computers

Saturday 10am-noon Larkin 1

The Digital-to-Analog Converter Method of Real-Time Computer Music Synthesis Hal Chamberlin

29 Mead Street Manchester, NH 03104

The Performing Musician and the Personal Computer R. J. Higgins, R. K. Goodall, R. Vedanayagam Physics Department University of Oregon Eugene, OR 97403



## introdata

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## onComputing

70 Main Street, Peterborough NH 03458 (603) 924-9281



& Programming chair: William J. Wagner

Programming for Everyone: A Rationale and Some Teaching Strategies William J. Wagner, Ph.D. Mountain View High School Mountain View, CA 94041

Individualized Instruction in Computer Programming Carl Grame, Dan O'Donnell, Instructors

De Anza College 21250 Stevens Creek Boulevard Cupertino, CA 95014

You'd Like to Teach the World to What?

A Guide to Writing Micro-Computer Courseware Silas S. Warner Muse 331 N. Charles Baltimore, MD 21201

**Personal Communications** & Microcomputers

Saturday 10am-noon Larkin 2

chair: Ron Jacobson Telecommuting Via the Personal Computer

Jack M. Nilles, Director Interdisciplinary Programs University of Southern California Los Angeles, CA 90007

'Information w/Cheese Please." The Emerging Personal Computer National Information Utility Network

Ron Jacobson Broadcast Communication Arts Department San Francisco State University 45 Westwood Drive San Francisco, CA 94112

The Electronic Sandbox Mark Cummings, Georjean Frank **Broadcast Communication Arts** San Francisco State University 1600 Holloway Ave. San Francisco, CA 94132 (415)469-1787

Pascal & Pascal Machines

Saturday 10am-12:30 Polk 2

chair: James Gagne, M. D.

A User Looks at the Western Digital Pascal Microengine Tom Pittman Box 6539 San Jose, CA 95150

An Introduction to the Wonders of Pascal James Gagne, M. D., President Datamed Research 1433 Roscomare Road Los Angeles, CA 90024 (213)472-8825

A New, Minimal-Cost Software Club for Users of UCSD Pascal James Gagne, M. D., President Datamed Research 1433 Roscomare Road Los Angeles, CA 90024 (213)472-8825

chair: Mark Cummings

Saturday 1-3:30pm Polk 1

Seeing Motion with the Mind's Eye Sam Hersh, Al Ahumada Aero/Astro Stanford University Stanford, CA 94305

(415)497-1526

Microcomputers in Africa: A Travelogue of the 1980 Eclipse Carl Helmers, Editorial Director

Byte Publications Inc. 70 Main Street Peterborough, NH 03458 (603)924-7217

Breaking into Writing for the Microcomputer Field Sharon Rosa Nicholas Rosa Associates

1901 S. Bascom Avenue, Suite 337

Is Electronic Technology Making Mankind an Endangered Species? (or: Carbon Chemistry Chauvinist? - You Bet!)

Don Perry Dunlap, President Entecon Corporation 1208 Apollo Way, Ste 502 Sunnyvale, CA 94086 (408)245-9272

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Adam Osborne, President Osborne & Associates 630 Bancroft Way Berkeley CA 94710 (415) 548-2805

Tutorials for the Novice chair: Tony Severa

Saturday 1-4:30pm Larkin 2

Beginners, Gather 'Round or Welcome to the Small Computer Revolution Nicholas Rosa Nicholas Rosa Associates

1901 S. Bascom Avenue, Suite 337 Campbell, CA 95008

An Easy Approach to Operating Systems...For Example, CP/M (For Beginners)

Sybex, Inc. 2020 Milvia St. Berkeley, CA 94704 (415)848-8233

Thoughts While Waiting for the Calvery to Rescue Me Tony Severa

131 Highland Ave. Vacaville, CA 95688

Significant Software for Inexpensive Machines chair: Raymond Karch

Saturday 1-3:30pm Polk 2

ANSI PL/I, Subset-G: A Commercial Implementation Under CP/M Gary Kildall, President Digital Research

Box 579 Pacific Grove, CA 93950 (408)649-3896

Animal - An Animation Language used in Creating Animated Scenes in Color on a Personal Computer Jim Blum, President

Comagraph 768 Inwood Drive Campbell, CA 95008

NPS Micro-Cobol LT Mark S. Moranville Naval Postgraduate School Monterey, CA 93940 (408)646-2449

A User-Guided Monitor ROM for Commodore CBM John Clothier Elcomp Publishing, Inc. Chino, CA 91710

Low-Cost Computing for Education

Saturday 1-4pm Larkin 1

chair: Ted Perry

chair: Dave Caulkins

437 Mundel Way

(415) 858-1501

Los Altos CA 94022

**PCNet** 

How to Produce Random Access Videotapes, Videodiscs and Other Intelligent Wonders with Your Microcomputer

Robert V. Whitney Whitney Educational Services 2071 Tenth Avenue San Francisco, CA 94116 (415)681-4725

Lesson Design in Pilot Robert N. Watkins, Customer Education Manager

The Computer Merchant 5107 El Cajon Blvd. San Diego, CA 92115 (714)583-3963

An Apple for the Teacher - A Graphic CAI Authoring System

San Juan Unified School District KYDE TYME Project 2331 St. Marks Way Sacramento, CA 95825 (916)487-7517, 485-0619

CAI: A Different Way Jeff Levinsky Computer Systems Design Group 3632 Governor Drive San Diego, CA 92122

Micro Software Engineering

Saturday 3:30-5:30pm Polk 2

chair: Terry Ritter

Modular and Structured Programming on Small Systems (Including 6809 Assembly Language) Terry F. Ritter Motorola, M2880

3501 Ed Bluestein Blvd. Austin, TX 78721

Structured Flowcharts - A Hybrid Approach to Program Design

Gregg Williams Byte Magazine 70 Main St Peterborough, NH 03458

A Case Study in Unstructured Software Howard R. Hollander, Specialist Software Engineer Boeing Aerospace Co. Little Mountain Test Annex Hill AFB, UT 84056

## **USED** BUSINESS SYSTEM For Sale

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Amateur Communications Society Friday, Saturday, Sunday Room 302 (RTTY) Open Seminar & Demonstration

chair: Stuart Neblett 493 - 4th Ave Redwood City CA 94063 (415) 592-9200 x221

Computer Games & Computer in Education Saturday 4-6pm Larkin 1 chair: Annie Fox

The Starship Simulation Project David Fox, Annie Fox, Co-Directors Marin Computer Center 70 Skyview Terrace, Room 301 San Rafael, CA 94903 (415)472-2650

Computer Games in Education David H. Ahl Creative Computing P. O. Box 789-M Morristown, NJ 07960

Solving the Shooting Stars Puzzle Joel Shprentz The BDM Corporation 7915 Jones Branch Drve McLean, VA 22102

Artificial Intelligence & Micros chair: Dean Gengle

Saturday 4:30-6pm Larkin 2

Microcomputers and the Design of Contelligent Systems Dean Gengle P. O. Box 14431 San Francisco, CA 94114

Artificial Intelligence as Applied to Input and Output in the Office - or -Making Computers Read and Speak Art Derfall Kurzweil Computer Products, Inc. 33 Cambridge Parkway Cambridge, MA 02142 (617)864-4700

International Apple Corps lopen meeting, all dayl chair: Matthew McIntosh

Saturday 10am-5pm Rooms 406-408-410

International Apple Core Box 976 Daly City, CA 94017 (415)552-9234

Forth Interest Group

lopen meeting chair: Bill Ragsdale clo Dorado Systems 20956 Corsair Blvd. Hayward, CA 94545 (415)783-0289

Trade Association to Meet **During 5th Computer Faire** 

The Microcomputer Industry Trade Association (MITA) will hold its first 1980 General Meeting, durits first 1980 General Meeting, during the 5th West Coast Computer Faire in San Francisco. The meeting will take place in the Civic Auditorium, on Friday afternoon, March 14, beginning at 6 p.m. (immediately following the close of the exhibits).

The meeting is open to all members and prospective members — anyone in the management of any company addressing the microcom-

company addressing the microcom-puting industry. This includes manufacturers, distributors, retailers, software houses, publishers, show organizers, and so forth.

Saturday 3:30-6pm Polk 1



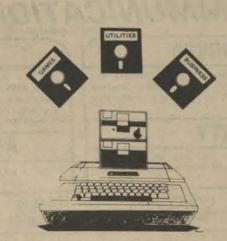
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#### **SUNDAY, March 16, 1980**

Digital Group Users | open meeting | Sunday 10am-noon Larkin 1 chair: Jim Jacobsen, NORCAL DG Users Group 760 Paul Avenue Palo Alto, CA 94308 (415)493-9152

Computer Retailers | open meeting | Sunday noon-1pm Larkin 1 chair: Bob Moody, President, Western Computer Dealers Association c/o Alpha Information Systems 800 San Antonio Road, Suite 1 Palo Alto, CA 94303 (415)494-6221

Business & Low-Cost Computing Sunday noon-3pm Larkin 2 chair: Paul Terrell

Personal Computers in the Office: An Example Clarence A. Ellis, Gary J. Nutt Xerox Palo Alto Research Center 3333 Coyote Hill Road Palo Alto, CA 94304

Four Programs for Use with Listed Option and Common Stock Investment Strategies Alfred A. Adler, Ph.D. 10360 E. Flintlock Tr. Tucson, AZ 85715

The Microcomputer Market and Users in Japan Seiichiro Yahagi, Managing Director Nippon Time Share Co., Ltd. 17th Mori bldg., 1-26-5, Toranomon Minato-ku, Tokyo, Japan

Turnkey or Turkey?
Thomas P. Bun
Compumax, Inc.
505 Hamilton
Palo Alto, CA 94301
(415)321-2881
Paul J. Terrell
Exidy, Inc.
390 Java
Sunnyvale, CA 94086
(408)734-9410

Medical Computing Sunday 1-2:30pm Larkin 1 chair: James Gagne, M. D.

Softdoc - A Proposal for a Medical Software Network James Gagne, M. D., President Datamed Research 1433 Roscomare Road Los Angeles, CA 90024 (213)472-8825

The Computer in the Practice of Medicine: An Overview Mark H. Spohr, M. D.
Medsoft
Box 7049
Tahoe City, CA 95730
(916)583-3097

Computer Assistance for the Physically Impaired chair: Carol A. Simpson

Sunday 2:30-4pm Larkin 1

Alphabetical Versus Graphotactic CRT Page Layout of Letters for a Versatile Portable Speech Prosthesis (VPSP)

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Instructional Media Department
UMC 68, Utah State University
Logan, UT 84322
(801)752-4100, ext. 8273

Informational Graphics: Show Business & Know Business

Sunday 3-5:30pm Larkin 2

chair: Aaron Marcus

Micro Graphics for Communicating Information Efficiently

Aaron Marcus Lawrence Berkeley Labs 1306 Bayview Place Berkeley, CA 94708 (415)486-5181

Demonstrations & Explanations of Work in Progress Visual Design Students — U. C. Berkeley

Tutorial: Programming Data Files in Basic Sunday 4-5pm Larkin 1 Leroy Finkel, Jerald Brown

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### 5th West Coast Computer Faire

Alpha Information

as of 80 Feb 14

	exhibitor booth(s)
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	Oata recording supplies (media) & accessories for microcomputer sys
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\* \* \*

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...... 1228, 1230C Systems. 800 San Antonio Rd Palo Alto CA 94303 (415)494-6221 615C 91311 91311 (213)882-9818 Data Processing Supplies & Accessories Altos Computer Systems, Inc. . . . . 1302Q 2338A Walsh Ave Santa Clara CA 95050 Digital computers American Word Processing ... 1224, 1226 18730 Oxnard St Tarzana CA 91356 (213)705-2245 Apple Orchard . . 131 Highland Vacaville CA 95688 (707)448-9055 Educational software for Apple II Applied Microsystems Corp. 1030C 11064 118th Place NE Kirkland WA 98033 (206)823-9911 microprocessor emulators (Z-80, 8080, 8085) Arkenstone, Inc. 870 Market St #369 San Francisco CA 94102 (415)434-2480 Custom business systems & development Arrow Computer Supply 112 San Francisco CA 94103 Memorex media, Avery labels D. P. ribbons, W. Pribbons & paper, etc. Artec Electronics, Inc. ..... 228, 230E 605 Old County Rd San Carlos CA 94070 415)592-2740 Computer products & printed circuit boards Automated Simulations, Inc. ..... 1227 1901 Old Middlefield Wy Mtn View CA 94043 (415)964-8021 Fantasy games for home computers 2485 Autumnvale Av San Jose CA 95122 Custom furniture for TRS-80, custom 408)727-1800 Anadex printer, Houston Instrument recorder, Qantex tape drive (617)232-5470 Bits, Inc. 405C, 407 Box 428 Peterborough NH 03458 Books for the small computer user "Books to erase the impossible Byte and OnComputing .... 426, 428, 430 70 Main St Peterborough NH 03458 (603)924-7217 computer magazine Hayward CA 94541 (415)537-2983 California Computer Systems ... 524, 526 250 Caribbean Sunnyvale CA 94086 (408)734-5811

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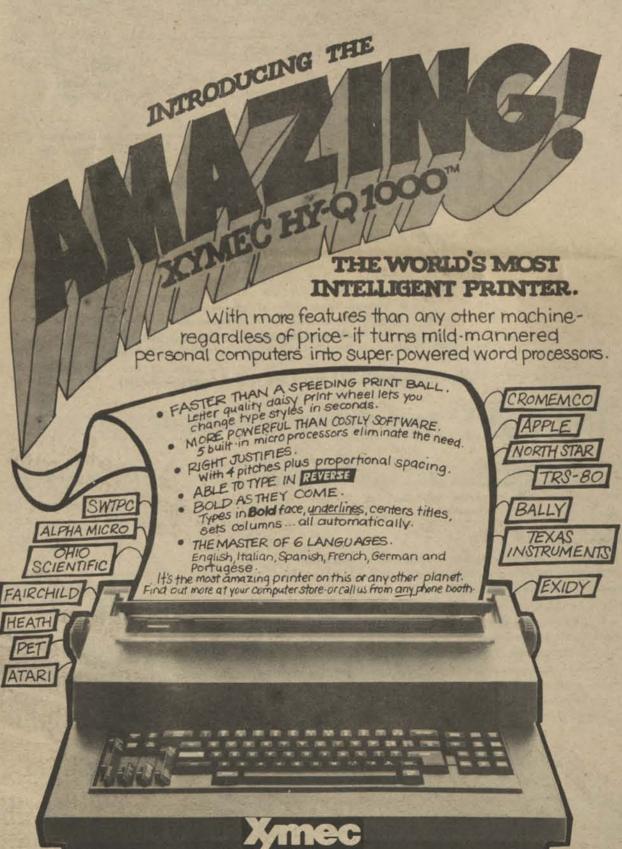
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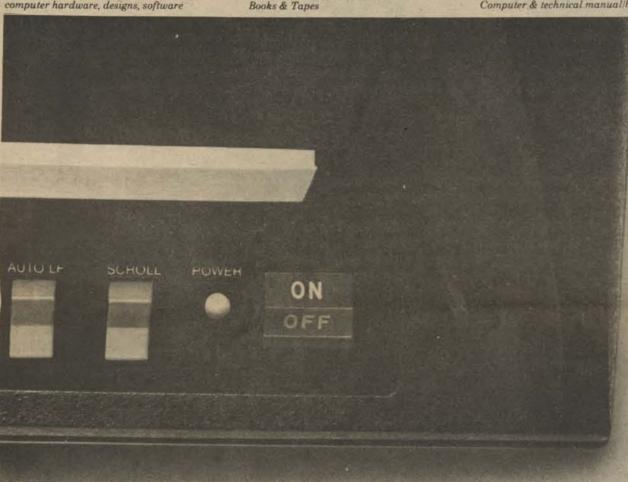


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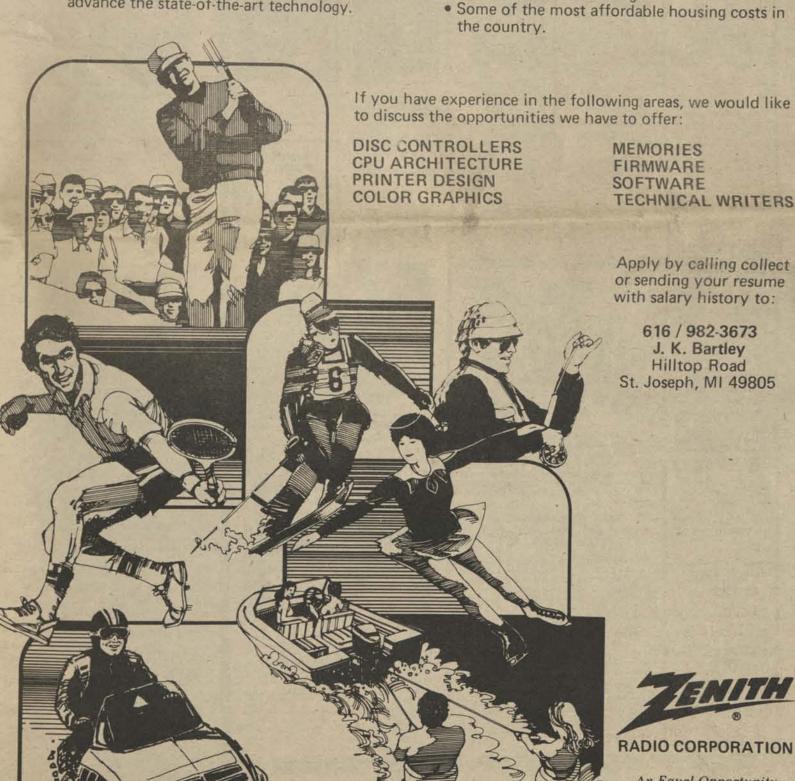
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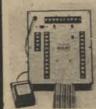


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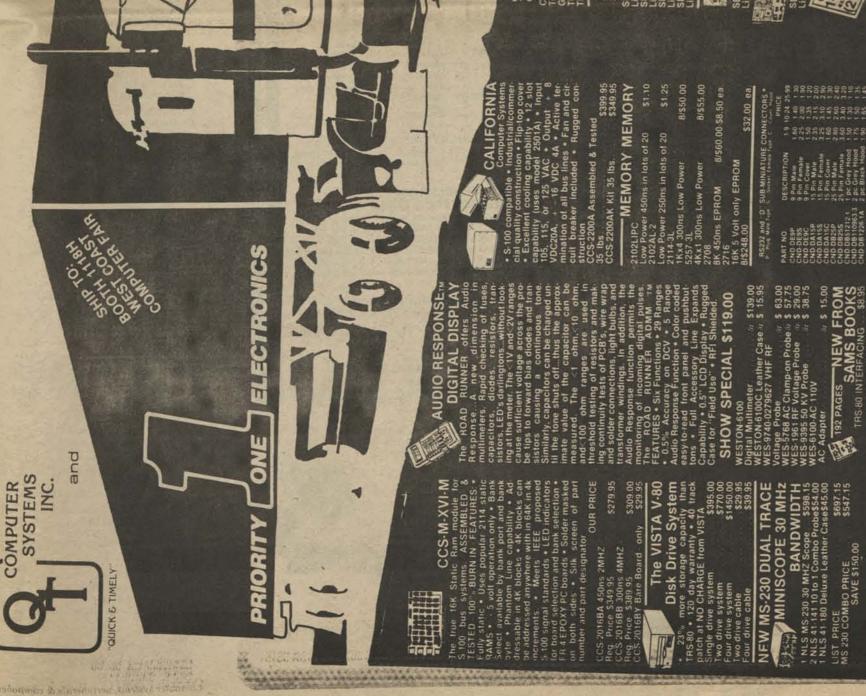
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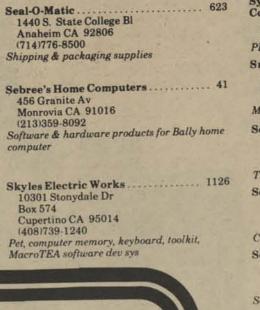
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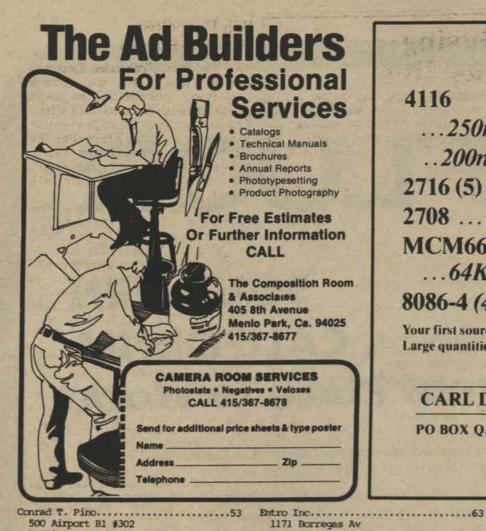
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#### Special Retailers' Showing At Computer Faire

The Computer Faire exposition will be open for a special showing for retailers and exhibitor guests on Sunday morning, March 16, from 10 a.m. to noon. Computer and electronics distributorrs and retailers may obtain a "Retailer"

ribbon to attach to their admission badge — allowing access to this special showing — by requesting it on letterhead stationery from the Computer Faire office.

Immediately following the Sunmorning retailer show, there will be an open meeting for computer retailers, chaired by Bob Moody (Alpha Information Systems, Palo Alto).

#### San Francisco Visitors' Bureau

The San Francisco Convention & Visitors' Bureau offers a variety of information to assist out-of-area visitors to 'The City.' The Bureau may be of particular assistance to those attending the 5th West Coast Computer Faire, to be held in San Francisco's Civic Auditorium & Brooks Hall, March 14-16.

Among other things, the Bureau offers guides to restaurants and 'night life,' and has a daily events 'hot line' - (415) 391-2000. For guidebooks and more information, call or write: San Francisco Convention Visitors' Bureau, 1390 Market Street, San Francisco CA 94102; (415) 626-5500.

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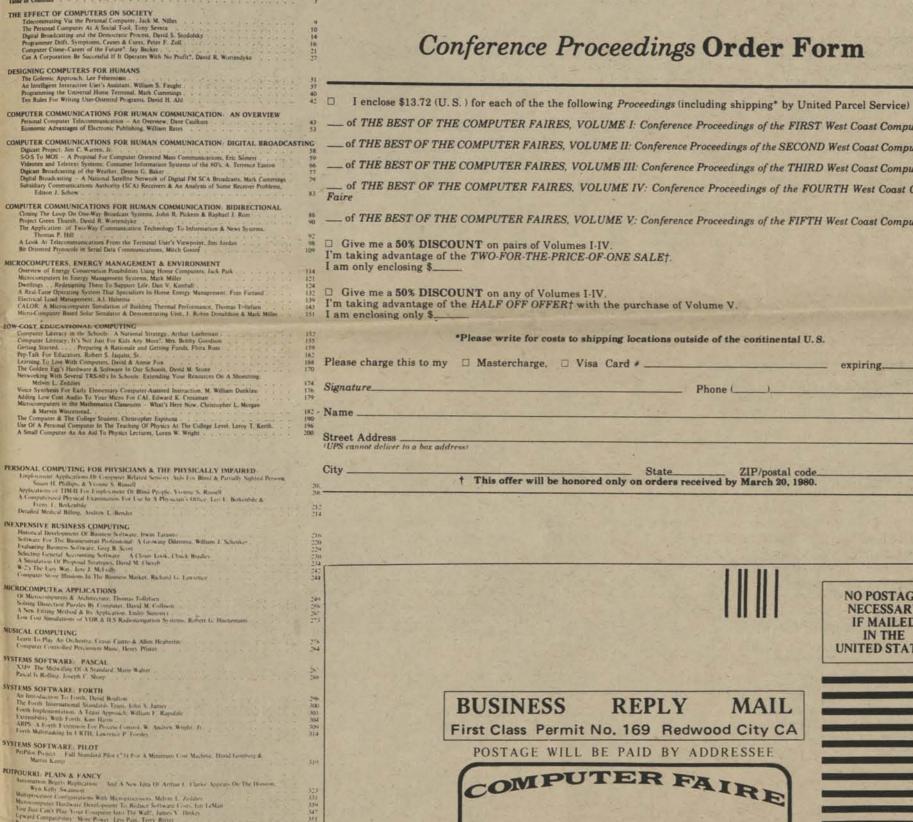
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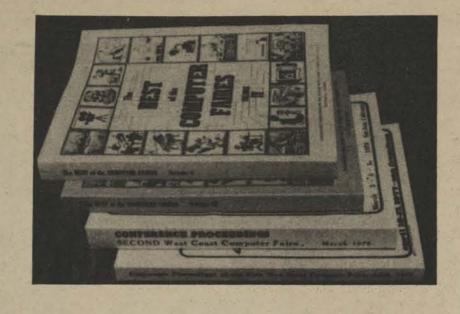
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THE BEST OF THE COMPUTER FAIRES, VOLUME IV: Conference Proceedings of the FOURTH West Coast Computer Faire

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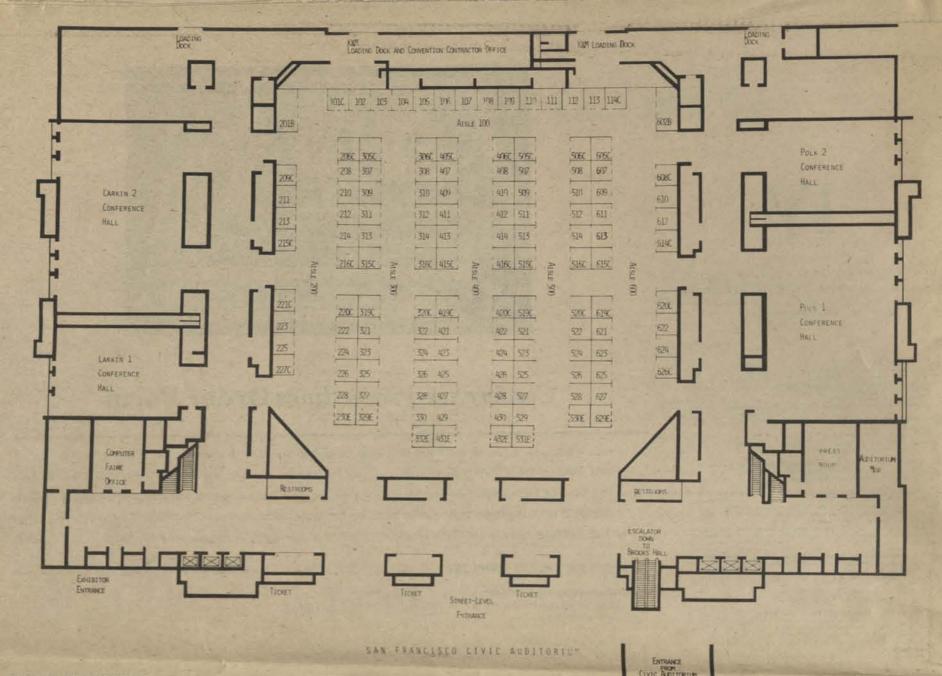
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#### MEET SOMEONE

There is an excellent place to rendezvous with friends and business associates at the Computer Faire in San Francisco. Arrange to meet them in the balcony overlooking the Civic Auditorium exhibit arena. Suggest that they look for you in the left, right, or center seating area.

## ATSLE 1712+ 1722,

## Faires Scheduled thru '84

West Coast Computer Faires have \_\_\_\_\_ been scheduled through 1984 (we don't 1726 know what's going to happen, post-Orwell). All are planned for San Fran-cisco's Civic Auditorium and Brooks Hall the largest convention facility\* in northern California. The dates are: 1981 April 3-5 1982 March 5-7

1983 March 4-6 1984 March 23-25

— We did consider using other facilities, e.g., the Cow Palace or County Fairgrounds great for cows, but with little or no conference facilities, and we strongly feel that the infarmation exchange in the conference program is a major benefit of the Pairest. San Jose Convention Center (delightful place, but too small), and the new Yerha Buena Center (so new it's never been built).

Note: We are attempting to move to later dates in '82 onward, however San Francisco's convention calendar is absolutely packed, and — to our amazement — we were doing well to get any options on the dates indicated.

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