Clarkson College to Issue Computers to Student Body

Clarkson College, Potsdam, New York, will provide desktop computers to all incoming freshmen, beginning this fall.

Clarkson College has selected Zenith Data Systems Corporation's Z100 desktop computers and the subsidiary of Zenith Radio Corporation will be supplying more than 1,000 computers each year for the next four years. The retail value is estimated to be in excess of $3.7 million annually.

"This is something colleges and universities have been talking about for years," said David Bray, dean of Clarkson's Educational Computing Systems. "If all goes as planned, in the course of time every student at Clarkson will have their own microcomputer and be linked to a campus-wide network.

"We considered everything from Apple to Zenith in our search and in terms of price, quality, capabilities, and expandability Zenith's Z100 had it all," he said. "Especially important was the ability of the system to interface with the school's mainframe computer, an IBM 4341," said Bray.

Clarkson selected the Z100 low-profile model with a single diskette drive and monochrome graphics. A Zenith high-resolution, 12 inch green monochrome display with a 25 line by 80 character display is also being supplied.

Software being provided includes the CP/M 85 and ZDOS operating system software to run the computer, as well as Z-Basic software for graphics, Fortran and Cobol languages for writing programs, and Multiplan—an electronic worksheet for quick calculations and forecasts.

The Zenith Z100 individually controls 640 dots on 225 lines, a total of 144,000 dots. Creation of three dimensional images of objects, charts and graphs is possible and the unit can be upgraded for color graphics.

The Zenith computer has two microprocessors to run 8-bit software, is widely available on the market, and has 16-bit software. It uses an industry standard expansion structure called the S100 bus with four open slots to permit other computer equipment to operate with the Zenith computer.

Suggested retail price for each unit is less than $3400. The cost of the computer is being subsidized by restricted grants and students will pay $200 each semester plus an initial one-time maintenance fee of $200. At graduation the students will own their computers.

Clarkson is an independent coeducational college with undergraduate programs in engineering, management, and science. The school was founded in 1886 and currently has about 4,000 students enrolled.

8th Computer Faire Offers Massive Conference Program; Capacity Trade Exhibit

The 8th West Coast Computer Faire appears certain to be the most interesting and valuable micro convention yet convened, and the largest such event open to end-users. Byte columnist Jerry Pournelle, a long-time micro observer and sci-fi author, unequivocally stated in Byte: "For my money, the West Coast Computer Faire has become the most important show of the year."

Dr. Portia Isaacson, President of Future Computing and one of the best-known industry analysts in the micro world, was equally definitive in a recent comment. She stated that she regards the West Coast Computer Faire to be one of the three or four most significant computer conventions each year, because it always offers an unusually large number of introductions of particularly innovative new products."

The 8th Faire is jammed into every nook and cranny of San Francisco's 4-story Civic Auditorium, plus all of Brooks Hall, plus all major meeting halls in the two largest hotels that are adjacent to the convention center.

Taking place March 18-20, the 8th Faire sold out of its regular exhibit space fully three months before the convention. A month later — with the Faire still two months away — it rented its last available "microbooth". These 6'x6' microbooths are a service that is unique to the Computer Faires. They offer very low-cost exhibit space for entrepreneurs and computer start-up people who may be very innovative, but are undercapitalized. For eight Faires, they have always been one of several major focal points for Faire attendees.

Though the Conference program is not finalized at press time, over 100 tutorial and technical papers have been submitted for consideration. Over 150 people have authored these papers, prepared talks, and/or been chosen to serve on panel sessions.

Additionally, optional in-depth half-day and full-day tutorials will be offered in conjunction with the Faire (extra fee).

Registration for the entire 8th Faire Conference and Exposition is $15, with pre-registration discounts available to groups [see details, elsewhere in this issue]. No checks or charges will be accepted at the door.

Conference Session Learning Music at the Computer

"The future for learning music at the computer is bright indeed. At some point in the future, one could expect people to buy a microcomputer just to learn to play the piano even as many now buy a microcomputer just to play Pac Man or Visicalc. Certainly it is now possible to gain a certain level of musical training by adding a few pieces of equipment to an existing home computer," say music educators Wolfgang Kuhn and Paul Lorton.

In their 8th Faire talk, "Learning Music at the Computer," Kuhn and Lorton, of Stanford University and the University of San Francisco respectively, will discuss current trends in computer music education. They will also comment on whether, in their opinion, quality music education is available through microcomputers, using today's hardware and software.

"The most important caution is that the fact that a microcomputer can make musical sound of a form and can produce graphic displays which resemble musical notation does not mean that they are effective devices with which to learn music. Seeing primitive notation and listening to single voice square wave tunes will not train young musicians," warn the educators.

Computer Professions Hot for 1980's

Computer mechanics, systems analysts, and programmers will be the most sought after professionals in the 1980's, according to the U.S. Bureau of Labor Statistics. Also featured on the Bureau's list of fastest track occupations for the decade are paralegal personnel, aero-astronautic engineers, employment interviewers, tax preparers, and fast food restaurant workers.

Workers not in demand will include farmers and farmworkers, railroad car repairers, timber and logging workers, private household workers, teachers, taxi drivers, textile weavers, and shoemaking machine operators, according to the Bureau.
Video Initiative Introduces Tapes for Learning

Video tape well may be the wave of the future for providing introductory tutorials to users of new computer systems and software. With over three million video cassette recorders (VCRs) in the U.S., this is a hot new area for computer instruction.

It is well-recognized that a color, sound audio-visual presentation is the next best thing to an in-person tutorial, to introduce people to a new subject. Also, if you think about it, one or two entire generations may be more accustomed to getting their daily information from a television set than from the printed word. Videotape tutorials are a natural for those folks.

PRODUCT-SPECIFIC INSTRUCTION

Video Initiative, a division of Initiative, Inc. (II), of Woodside, California, is producing such tapes. Within the next few months, they will complete a number of tutorial tapes, including ones covering such topics as: VisiCalc, the IBM PC, CP/M, etc.

These tapes are not vague overviews. They provide explicit instruction about specific systems - e.g. Advanced VisiCalc on the Apple III, or a new user's introduction to the IBM Personal Computer. Each tape is accompanied by a workbook, to be used with the tape, to further enhance the effectiveness and impact of the instruction. Each tape is designed for use by a single individual who can start and stop the VCR as they are watching the tape, performing the exercises on their computer, and using the accompanying workbook.

INDEPENDENT OF VENDORS

Video Initiative's tapes are straight instructional tapes; not promotional tapes from vendors of the hardware and software being presented. Although the writing and production teams are working closely with the product vendors to assure accuracy and timeliness of the material, Video Initiative is entirely responsible for the production of their tapes.

Initiative, Inc. founder Jim Warren commented, "We are establishing ourselves as an excellent source of high-quality, independently-produced information detailing how to use computer hardware and software. We value that reputation, and fully expect to enhance it with this video venture.'

HIGH-QUALITY VIDEO WORK

Each tape is - as they say in the television industry - "highly produced." This is the production techniques that are customary and expected in first-rate television documentaries are being used in these tapes. These include use of voice-over, freeze-frame, split-screen, close-ups, special effects, and much more, to maximize the efficient and effective presentation of information to the new user of a computer or specific piece of software.

This is a far cry from some of the early tapes this industry has seen, that were little more than a lecturer giving a chalk-talk before a camera.

VIDEO INITIATIVE HAS COMPUTER & VIDEO EXPERTS

Initiative, Inc. was created by Jim Warren, a long-time computer professional, well known in microcomputer circles. He has been a computer consultant in the San Francisco Bay area since the late '60s. He has chaired various organizations of computer professionals, founded the West Coast Computer Faires, and created both of the micro industry's two newspapers - the publication now known as InfoWorld, and the Silicon Gulch Gazette. He was also the first Editor of Dr. Dobb's Journal, and founded and is currently the Editor of DataCast, the first "magabook" to offer a series of in-depth tutorials covering major microcomputer software systems.

Warren has well over ten years' teaching experience. He was first involved in computer education around 1960, working on a high school student enrichment program using an old, drum-memory IBM-650. He has taught in Stanford's Computer Science Department as well as at San Jose State and San Francisco State. He has taught over commercial television (KPIX-TV, San Francisco) and taught a number of computer courses over Stanford's closed-circuit Engineering School television system that serves much of Silicon Valley. He holds two degrees in engineering (Stanford, and University of California) and two more degrees in mathematics.

And, he has hosted the "Computer Chronicles," the first weekly television show to presume a computer-literate audience. It has aired on about 49 PBS affiliates throughout the U.S.

Video Initiative's Producer is David Carlson. Carlson has worked in documentary and instructional television for years, including stints with the McNeil-Lehrer Report and various projects for the College of San Mateo - one of the best-known junior colleges in the San Francisco Bay area.

Similarly, Director Dave Ratto has considerable experience in high-quality video production. Warren commented, "Dave Ratto is as much of a video fanatic as I am a computer fanatic. His abilities in directing and using video technology for top-notch results are really impressive.'

Warren's video group is working closely with industry writers in scripting the instructional videotapes and in creating the workbooks. Among others, they have been working with Steve Ramsey, a writing and training team that recently spun off from Hewlett-Packard where they had extensive experience in both training and documentation.

Video Initiative is at 345 Swett Road, Woodside, CA 94062.

Conference Session

Computers in Education

In the 8th Faire talk, "Micros to Mini," Leonard Meuer and Marilyn Clinger will describe the planning, acquisition and implementation of a computer system in the Travis Unified School District, California. "For computer science, the computer system transformed an electronics classroom with three micro and assorted discarded peripherals, into a functional computer science laboratory with 18 terminals directly connected to a large mini-computer," say Meuer and Clinger. They will describe how the system is used for information retrieval, word processing, warehousing, inventory control, and personnel management.

The District's large mini-computer is an HP 3000, series 42 with 2 MGB of memory configured to support up to 64 on-line peripherals. The system has two 120 MGB disk drives, a 1600 BPI magnetic tape drive and a 600 LPM dot-matrix printer. Four of the 64 ports are dedicated to telecommunications over non-conditioned dial-up phone lines. Several types of terminals and modems are used.
Educational Computing Major Topic in Faire Conference Program

The 8th West Coast Computer Faire will feature a Conference Session on computers and education. Speakers will discuss the impact computers have on the way teachers instruct, children learn, and the way schools are run.

Conference participants will talk about how educators have changed their educational philosophies, how to construct a school computer science laboratory, and how to use micros in teaching music. Computer use in the education of both handicapped and exceptional children will be highlighted by speakers at the 8th Faire.

Teaching young children important educational concepts will be discussed in “Young Children Use Computer Graphics,” by Anne Piestrup of The Learning Company in Portola Valley, California, and “Using the Microcomputer for Teaching Pre-Math Concepts to Young Preschoolers,” by a team of educators from Texas Tech University in Lubbock, Texas.

Educators will have a chance to teach each other when speakers deliver talks on evaluating educational software, setting up a school mini-computer system, and a new computer language for teaching and industrial training.

In “Evaluating Educational Software,” computer lab coordinator, Glee Cathcart will detail features to examine when selecting educational software. Leonard Meuer and Marilyn E. Clinger will describe the implementation of a computer system that dramatically changed computer usage and administrative data processing in a California school district in “Micros to Mind.”

H.L. Gray and Alan Elliot will introduce a Computer Assisted Learning Language (CALL) for the IBM PC.

“The second generation of CAI programs will concentrate on making the task of authoring computer-assisted instruction easier through menu-driven authoring systems. The CALL program is an example of such a system,” say Gray and Elliot.

Unusual applications of computers in education will be discussed in “Learning Music at the Computer,” by Wolfgang Kuhn and Paul Lorton, and “Computers for Exceptional Children: When is the Wedding?” by Dee Johnson, Cleborne Maddux, and Jerry Willis of Texas Tech University.

The educators from Texas will speak on the need for the computer industry and the educational community to unite in their efforts to produce good educational products. Unless a solid working relationship is formed, they say, the “most dire predictions will come to pass: we will end up with a scrap heap of electronic parts and discarded diskettes in our public schools.”

Computer literacy will be the topic of two talks at the Faire, “Computer Tutor Project: Computer Literacy in the School” by Joan Tizard, and “Computer Prep: Considerations for a Pre-College Computer Science Curriculum” by Monty Swiryn. The speakers, who are from the San Francisco Bay area will discuss the state of computer literacy and whether students who wish a computer related career are being adequately trained.

In “Goodbye Gutenberg? Books or Bytes?” Elizabeth Wall will describe how books are being used with computers for more effective learning. Instead of replacing books, computers can become partners with them in the educational process, she says. Wall will review current books available to help teachers and students with computer awareness, programming, and applications.

1/16/83

““For my money the Computer Faire is the most important show of the year.”

Jerry Pournelle, computer & sci fi author, Byte, July 1982

The Computer Faire is the only micro convention that has had six major write-ups in Byte magazine, including two articles about the 7th Computer Faire, last March. It is the largest and best-reputed end-user micro convention in the U.S.

The 7th Computer Faire drew over 36,500, had more than 120 Conference speakers, and over 450 exhibitors.

The 8th West Coast Computer Faire is happening in early ’83 at the beginning of San Francisco’s Spring season. It is expecting 100 speakers (over 160 Speaker Kits have already been distributed), and had rented all of its 890+ exhibit spaces to over 350 exhibitors three months before the March Faire.

- Major Conference Program
  - To name a few expected sessions:
    - Tutorials for Novices
    - Educational Computing
    - Business Applications
    - Biomedical Computing
    - Legal Aspects & Applications
    - Hardware Design
    - Software Packages
    - Applications Systems
    - Conference Proceedings over 400 pages
  - If it's significant, it's being exhibited.

- Massive Product Exposition
  - To name a few products being exhibited:

- User Group & Special Interest Meetings
  - Including: IBM PC, Apple, Osborne, TRS-80, Heath/Zenith, etc.

- For more information call: Computer Faire, 345 Swett Road, Woodside, CA 94062 (415) 851-7077

Ask for your FREE subscription to the Faire's Silicon Gulch Gazette.

THE 8TH WEST COAST COMPUTER FAIRE

SAN FRANCISCO CIVIC AUDITORIUM & BROOKS HALL MARCH 18–20, 1983

February 1983
Intelligent Robot for Home Experimenters

The RBX5 Intelligent Robot, a manufactured unit designed for home experimenters, is now available.

Manufactured by RB Robot Corporation of Golden, Colorado, the RBX5 learns from its experience. With its own microprocessor, memory, programs, and tactile sensors, the robot detects and responds to objects in its path. Once a successful random response is achieved, the RBX5 remembers its actions and repeats the correct response when confronted again with the same situation. These same principles are intended to be applied to other sensors and with more complex programs by the home experimenter using the RBX5 as a starter system.

Designed for technically-oriented consumers (engineers, scientists, computer programmers, educators, hobbyists, etc.), RBX5 features allow experimentation in robotics. Users may increase the "experience" and capability of the robot by installing additional mechanical functions and additional sensors, such as Polaroid’s RangeFinder sonar sensor.

The robot’s standard RS-232 interface makes it compatible with the Apple, TRS-80, IBM PC, and other popular microcomputers to allow for program entry and data transfer. For example, its memory can be transferred to a personal computer to enable the user to study memory patterns generated and alter RB programs accordingly.

One circuit in the RBX5 enables it to recharge its batteries automatically. The robot senses when its batteries are low, seeks out its battery charger, fully charges over a period of time, and detaches itself from the charger to resume its adventures.

The basic RBX5 unit sells for $1195. A special option package with additional memory, the Polaroid RangeFinder sonar sensor, and a pulsing light option is also available for $295.

New features under development include a mechanical arm, a voice synthesizer, and digital radio communications between RBX5s.

For more information, contact: RB Robot Corp., 14618 W. Sixth Ave., B201, Golden, CO 80401, (303)-279-5525.

Do You Care or Don’t You*

If you do – then consider:

- 8086 – 128kb – 2 RS232 ports – 2 parallel ports – high resolution bit-mapped display (800x400) – CODEC – 2 high density 5-1/4” floppy drives (single-sided 600kb each or double-sided 1.2mb each) – tilt and swivel display – detachable keyboard map – soft loaded display character set – soft loaded keyboard map – expandable to 806kb memory – optional 10mb hard disk – 4 expansion slots...

If you don’t – you should consider:


Victor 9000

In its review of the Victor 9000, BYTE magazine said, "... the machine is an excellent microcomputer with an outstanding array of standard features.”

The leading German computer magazine called it, “The Computer of the year”.

The Professional Machine priced like a personal...

Unidot is your franchised Victor 9000 dealer in Santa Clara County with full sales, support, and service. At Booth 1119 at Computer Faire Unidot will be showing software for the Victor 9000 that has never been seen on a microcomputer before – come by and take a look.

But don't wait for your Victor 9000... Call today – 408-745-0505.

568 Weddell Dr., Suite 4
Sunnyvale, CA 94086

*More about hardware than software, that is –

Pascal and UCSD p-System to be Detailed in 2-Day Program at 8th Computer Faire

Windsor Brown, the Vice-President of USUS (the UCSD Pascal Independent user's group), has put together a massive technical conference on the UCSD system. Speakers will offer a half-day introduction to Pascal and another half-day intro to the p-System. Others will detail the background of p-machine architecture, and discuss the advanced UCSD Pascal language. Still others will address efficiency issues in p-system programs, and discuss Modula-2. The two-day program will conclude with an Expert User Panel offering attendees the opportunity to address additional issues.

Computer Science Encyclopedia


The book costs $87.50. For more information, contact: Van Nostrand Reinhold, 135 W. 50th St., New York, NY 10020, (212)-265-8700.

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and, of course, all the details of the 8th Computer Faire

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(415) 851-7077

February 1983

Silicon Gulch Gazette
NOW YOU HAVE A CHOICE
INNERVISION brings together, for the first time ever:
  • ADVANCED NS16000 ARCHITECTURE
  • INDUSTRY STANDARD Z80
  • COST EFFECTIVE S-100 BUS
With over a hundred vendors of bus-compatible hardware products and the huge software base of the Z80 (including CP/M), the INNERVISION 16Z8032 CPU is the best way yet to get on the NS16000.

THE "SOFTWARE CRISIS"
The biggest problem in adopting a new computer design is providing new software, including conversion of existing programs. The INNERVISION 16Z8032 dual processor CPU lets you continue to run Z80 or 8080 software without change, including CP/M and its thousands of application programs.

AVOID OBSOLESCENCE
The NS16000 is widely recognized as a superior microprocessor architecture. Earlier designs by other manufacturers are now being retrofitted to handle mainframe features like virtual memory. But the NS16000 was designed from the start to support sophisticated software, and will continue to serve your needs for years to come.

FEATURES
  • Z80 co-processor permits incremental software expansion.
  • Full 32-bit internal architecture with 16-bit external memory data path.
  • Total IEEE-696 (S-100) bus compliance with 10Mhz 16032 clock rate.
  • High speed floating point arithmetic.
  • Demand-paged virtual memory, with multiple 24-bit linear address spaces fully protected.
  • Virtual machine capability.
  • CP/M based development software.

The INNERVISION 16Z8032 Dual-Processor CPU

At the Faire: Booth 44, Civic Auditorium 2nd Floor
Or Write: 1634 Roll St., Santa Clara, CA 95050
The organizers of the West Coast Computer Faires have announced their “First IBM PC Faire.” To take place in San Francisco’s Civic Auditorium and Brooks Hall, August 26-28, 1983. The IBM PC Faire will focus on hardware, software, and applications for the IBM Personal Computer. It will include a major Technical Conference, a large product exhibition, and a number of user group meetings. Organizers project an attendance of 20,000 to 30,000.

CALL FOR CONFERENCE SPEAKERS

“We have just issued a call for speakers and participation in the Technical Conference of the IBM PC Faire, and expect at least 60 to 120 speakers,” said Jim Warren, Faire Chair. “We have always felt that information exchange is the essence of any major computer convention, and put considerable effort into creating a large technical program of well-qualified speakers.” The Faire will also publish a “Conference Proceedings” expected to exceed 350 pages.

HOW IT STARTED

“Several months ago, we announced an IBM PC Hall within the 8th Computer Faire, being held this March in San Francisco,” said Warren. “We expected a positive response, but frankly, we were amazed. The PC Hall sold out of space in less than 10 days! We now have about two dozen companies on a waiting list for any possible opening. That’s what gave us the idea for the PC Faire.”

MAJOR EXPOSITION EXPECTED

The trade exposition is expected to be comparable in size to the massive exhibitions at the West Coast Computer Faires.

“Almost every PC-oriented company to whom we have mentioned the PC Faire has expressed an immediate, active enthusiasm for the event and has requested exhibit information. They like the format on the IBM PC; they like the timing, the location, the location,” commented Warren. “Pointed out that the convention occurs at the best time of the year in one of the nation’s most popular tourist cities, allowing attendees and exhibitors to combine business with their summer vacations.

LARGE ATTENDANCE LIKELY

“We drew over 36,500 to the 7th Computer Faire, last Spring, and are expecting well over 40,000 for the 8th Faire, this March,” Warren observed. “Every time I’ve mentioned plans for the PC Faire to computer groups, I have encountered nothing but positive interest and enthusiasm. Based on this response, our drawing ability for the Spring Computer Faires, and the 105,000-circulation of the Faire’s Gazette, heavily biased to the west coast — I feel our 20K to 30K attendance projection is very reasonable.”

TRSI-80 Educational Grants Program

Radio Shack is setting the subject for proposals in the fourth submission cycle of the company’s Tandy TRSI-80 Educational Grants Program as “Unique and Innovative Microcomputer Applications in Education.” Deadline for submissions under this theme is March 31, 1983. Through the program, TRSI-80 hardware, software, coursesware and related products totaling $500,000 per year will be awarded to individuals and non-profit organizations whose proposals are selected in four quarterly cycles as providing the greatest benefit to the American educational community under selected proposal themes. Equipment is allocated based on the recommendations of an impartial Educational Grants Review Board comprised of a number of distinguished educators.

Information kits are available by written request only from Tandy TRSI-80 Educational Grants Program, Radio Shack Education Division, 400 Tandy Atrium, Fort Worth, TX 76102.

Note: CHILDREN AT THE FAIRE

The Computer Faire is a conference and trade exposition about computing and information processing. It is designed for mature individuals who have a sincere interest in learning about (or learning more about) computing, information management, computers, and “the information society.”

These topics are presented at the Faire, presented by adults, and presented for adults. ...and mature, seriously interested young people and students. Although the Faire includes some element of entertainment and occasional electronic games, the Faire is not appropriate for children nor for immature young people. Among other things, it is referred to the single registration fee, for adults.

Children and teenagers are discouraged from bringing immature individuals to the Faire. To no end is it unfair to other attendees, unfair to the speakers, unfair to the exhibitors, ...and unfair to the children. Therefore:

Children found playing or otherwise causing a disturbance in the convention center may be ejected from the building — just as they would if they were being disruptive in a university classroom, business office, engineering lab, or training seminar (or, that matter, in a theater, play, or symphony). The pack in front of the Auditorium may be appropriate for children’s play; the Faire is not.

Faire Smoking

By city ordinance, smoking is permitted only in the entrance lobby of the Civic Auditorium. It is explicitly prohibited in the conference halls, perhaps due to hoped for ventilation.

Copyright and Software

Many people put a copyright notice on their software but never actually register it with the U.S. Copyright Office, according to Attorney Daniel Remer, whose 8th Faire talk will be “Registering with the U.S. Copyright Office.” Copyright registration is easy, inexpensive, and doesn’t require a lawyer — so why don’t more people do it? There are two reasons besides sheer laziness,” says Remer. “The first is that some lawyers recommend that software be only registered if and when there is an infringement order for ten or more registrations (advancing $110 @ on prepaid orders) to:

Pre-registration Desk
Computer Faire
345 Swett Road
Woodside CA 94062

Include your street address for certified UPS delivery. We pay shipping on prepaid orders. You pay shipping and collection charges on COD’s.

Save 26% on Faire Registration

$110 for a minimum order of ten (prepaid). (There is a small shipping and collection charge on COD orders.)

You can return up to half the number of registrations ordered by March 17 (the day before the Faire), for a refund of $11 per returned/unused registration.

To take advantage of this offer send your check or COD...

PC WORLD DAY AT THE FAIRE

March 19th at the West Coast Computer Faire PC World magazine will present an entire day of demonstrations, seminars, and panel discussions with some of the most highly respected professionals in the microcomputing field.

Find out what the PC phenomenon really means, where second generation software is going, all about PC Systems Software and all about multiprocessing and communications. Participate in software demonstrations like Quixus, Lotus 1, 2, 3, Mba, and many more. You will talk to the people who know the products.

Listen to what these people have to say about personal computers: Portia Iason, President of Future Computing; David Alpert, President of Tecmar; David Bunnell, President and Publisher of PC World; Don Fisher, Chairman of National Training Systems; Andrew Flugel, Editor of PC World; Gary Kildall, President of Digital Research; Chuck Irvine, Chief Engineer of SoTech Microsystems; Chris Larsen of Microsoft; Mitchell Vapor and Vern Rayburn of Lotus Development Corporation; Alan Boyd, Product Acquisitions Manager of MicroSoft; Rod Kenyon of Computer Portable Computers; Steven Cook, Senior...
The IBM PC Faire

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MEET!

at the IBM PC Faire
FAIRE TERRITORY

Conference Session

Author, Author!
Your Role in Computer Book Publishing

“My objective is to present a short history and a look into the future of microcomputer book publishing, as well as a strong argument – I hope – for your writing a computer book,” says Raymond Collins of his 8th Faire talk “Your Role in Computer Book Publishing.”

Collins, a vice president of Tab Books, Inc., will explore areas of interest to all novice computer book authors. He will discuss choosing a topic, investigating the computer book market, querying a publisher, and authors’ rights. Now is the time for authors to break into this burgeoning market, says Collins.

“The market for computer books is so strong that it resembles the market for books about a fad. We have all learned in book publishing, however, that microcomputers are not part of any fad,” says Collins.

Conference Session

Campy Computers

“Computer camps for children are an outgrowth of the mushrooming computer literacy movement in the United States today,” says Thomas Copley, executive director of Yellow Springs Computer Camp, Yellow Springs, Ohio. In his 8th Faire talk, Copley will discuss the joys and frustrations of starting an independent, non-profit day camp that offers riding, swimming, unicycle riding, and other activities, as well as computing.

Conference Session

Life Sciences Database

Researchers in the life sciences field using microcomputers will soon have direct access to current research literature which relates to their special interests. A subscription service is being developed which will deliver diskettes containing new listings, drawn from a file of well over a million references.


“Only if it is accessible to those who need it does this volume of literature contribute to further discoveries and developments,” says Schultz.

Meeting Someone at the Faire??

Suggestion: Ask friends and associates to meet you in the balcony area of the Civic Auditorium. Specify the left, right, or center section. It has ample seating and overlooks the Civic Auditorium exhibition area.

Note: The public address system is NOT available for paging individuals, except for medical emergencies.
Avoid Long Lines, Pre-register for the Fair!

Although the Computer Faire, itself, is not staffed to handle pre-registration, it has arranged for a number of sources for pre-registration.

The stores prefer that you drop by to pick up your prereg -- they'd like to see you and have you see what they have to offer. (“Know your dealer.”) However, should you be unable to do so, several of them -- marked below by an asterisk -- are accepting mail orders. IF you do the following:

1. Phone the store for their reg fee.
   By FTC regulations, the Faire cannot tell them what to charge. Send full payment, and a stamped, self-addressed, legal-size envelope.
   2. Send your mail order in time to reach the store by March 1st.
   (Remember, the U.S. Mail Service will be handling its delivery in both directions.)

Data Domain of Schaumburg*
3612 E Algonquin Rd
Schaumburg IL 60196
(312) 287-8700

Op amp Technical Books
1035 Nacyaroe Ave
Los Angeles CA 90038
(213) 444-4222

Ducks Music City* #1
505 7th St
Indio CA 92244
(714) 848-0038

Computerland
208 E High Ave
San Bernardino CA 92404
(714) 986-0764

Computer Warehouse
1415 W 14th St
Los Angeles CA 90028
(213) 482-7649

MicroSchare
722 E Carrillo St #101
Santa Barbara CA 93101
(805) 963-9441

Coastal Computers
880 Monterey St
San Luis Obispo CA 93401
(805) 543-8329

Micro Pacic Computer Ctrl* #11
5144 N Pico
Los Angeles CA 90034
(213) 290-6100

National Computer Ctrl
3202 E Ash Ave
Fresno CA 93704
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1199 19th St
Monterey CA 93940
(408) 373-5414

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(408) 375-7177

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1625 A El Camino Real
Belmont CA 94002
(415) 990-4322

Computerland - Burlingame
344 Lorton
Burlingame CA 94010
(415) 438-7731

Lotus Computers
54 Westlake Mall
 Daly City CA 94014
(415) 892-3320

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448 El Camino Real
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893 El Camino Real
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Byte Shop
1415 W. El Camino Real
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(415) 324-5644

Digital Deli
80 W El Camino Real
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(415) 941-8170

Mission Computer Ctrl
900 B El Camino Real W
Menlo Park CA 94025
(415) 941-7863

Heatshrink
201 Middlefield
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(415) 381-3115

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1328 S Mary Ave
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Microglobe Business Systems #11
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(415) 941-8917

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271 Sotter St
San Francisco CA 94108
(415) 943-3434

Microislad Computers
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Newark CA 94560
(415) 790-0490

Best Computer Store
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Sacramento CA 95831
(916) 662-6691

Brookstone
5300 Mountain View Blvd
San Jose CA 95123
(408) 941-0221

CompuServe
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San Jose CA 95110
(408) 941-0221

Computer Center
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Berkeley CA 94709
(415) 841-0120

Technika Berkeley
1239 Depot Way
Berkeley CA 94704
(415) 841-5553

Berkeley Computer
1100 Solano Ave
Berkeley CA 94707
(415) 526-5600

Computer Room
300 Mt. Hermon Rd #211
Saratoga CA 95070
(408) 489-2033

Quality Data Processing* #14
503 Foothill Way
San Jose CA 95132
(408) 489-2033

Computer Emporium
5229 Fox Hill Rd
San Jose CA 95123
(408) 227-8215

Computa-Mania #13
2929 Bay Ave #5
Jamestown CA 95242
(408) 489-2221

Santa Rosa Computer Ctrl
311 7th St
Santa Rosa CA 95404
(707) 226-0606

Computer Scene #12
715 E. 7th St
Ukiah CA 95482
(707) 462-1558

Computer Stores Inc
6014 Greenback Ln
Citrus Heights CA 95610
(916) 901-9893

Capitol Computers
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Roseville CA 95661
(916) 796-8716

Capitol Computers
109 S. 5th
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(408) 486-3013

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(415) 929-1642

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Sym Users' Group
25 Sunland Dr
Chico CA 95928
(916) 486-0512

Computer Store - Corvalis* #15
5015 NW Clatskanie
Corvallis OR 97330
(503) 754-0811

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Texas Tech University/Institute for Child & Family Services,  
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Saint Joseph University/Dept. of Admin. Sciences,  
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Psycho-Linguistic Research Associates,  
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Donald M. Winter,  
Camarillo, CA
The 8th West Coast Computer Faire
San Francisco  March 18-20, 1983
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February 1983

Silicon Gulch Gazette
Apple II Game Teaches Anatomy

Synergistic Software has produced a new type of educational game for the Apple II. “Microbe: The Anatomical Adventure” combines elements of fantasy adventure, arcade action, and accurate medical science.

The game involves a miniaturized subject injected into the human body. The mission of the sub “Microbe” is to find and rid the body of disease and repair damage to the brain. If corrective surgery is necessary, the crew of the “Microbe” must perform it.

Free Future Copies of the Silicon Gulch Gazette

Just send your name and mailing address to Computer Faire, 345 Swett Road, Woodside CA 94062 (8th Fair Exhibitor List Cont.)

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The game has three different levels depending upon the educational level of the players. On the first level the game can be played as a classic adventure game, the goal being to explore the maze-like human body and overcome obstacles while solving the medical problem. On the second level players can learn facts about health care, personal safety, anatomy, and medicine while playing the game. The third level is for college level science students, premeds, and medical students. Playing “Microbe: The Anatomical Adventure” will aid players in learning human anatomy and medical data. Players must know what drugs to prescribe and what immunity levels, blood pressure, heart rates, etc. are healthy or dangerous. The game can be played alone or with a group.

“Microbe: The Anatomical Adventure” costs $44.95. For more information, contact: Synergistic Software, 830 N.Riverside Dr., #201, Renton, WA 98055, (206)-226-3216.

Isaacson, Renowned Industry Analyst, Endorses Warren’s IBM PC Faire

Dr. Portia Isaacson, President of Future Computing, Inc., and one of the microcomputer industry’s best-known market analysts, has issued the following statement: “Jim Warren’s IBM PC Faire will make a major positive contribution to the IBM Personal Computer industry and to the microcomputer user community, as have his annual West Coast Computer Faires of the past half decade. I recommend attending, exhibiting, and speaking at the IBM PC Faire in San Francisco, next August (August 26-28, 1983).”

She went on to state: “I also regard Warren’s West Coast Computer Faire to be one of the three or four most significant computer conventions each year, because it always offers an unusually large number of introductions of particularly innovative new products. Dr. Isaacson’s market analysis group, Future Computing, is the only market research firm that specializes exclusively in the personal computing marketplace.

Distribute FREE Gazette to Friends & Associates

(2) where to ship ‘em (it must be a street address; UPS is prohibited from delivering to a P.O. Box).

Typically, a Gazette will include a variety of information of general interest, as well as – of course – all the details of the forthcoming West Coast Computer Faire. Call or Write: Computer Faire, 345 Swett Road, Woodside CA 94062, (415) 851-7077.

Enjoy your Lisp

Although many computists have lauded Lisp as one of the best computer languages available in recent months, it is still unknown to many, including experienced computer programmers.

In his 8th Faire talk, “Lisp, A Short Introduction,” Richard Munion, present manager of Lisp/Logo & Kids will discuss the language’s origins, applications, and advantages.

Conference Session

Micros and the Learning Disabled

Children with learning disabilities may have a new chance in mainstream education now through the use of microcomputers. If “active,” rather than “passive,” use of microcomputers with learning disabled (LD) children are developed, the potential of microcomputers may be realized, say some special educators.

Cleborne Maddux, Ph.D., and Dee LaMont Johnson, Ph.D., both of Texas Tech University, will define “The Future of Microcomputing and the Handicap of Learning Disabilities” at the 8th Faire.

Involving LD children actively as programmers using the Logo language, as writers using word processing, and in simulation programs, can lead them through a series of situations which they would not normally experience, explain Maddux and Johnson.

“It is important for the involvement to be ‘active’ in order for it to make a difference in the way children think,” claim the authors. “The microcomputer should be more than an expensive secretary.”

Conference Session

Computer Vision and Image Recognition

Computer vision and image recognition has always been a problem in robotics and machine intelligence research. But Henry Pfister says it is now possible to assemble a computer imaging system with high computer capability for under $4000.

In his 8th Faire talk, “Computer Vision and Image Recognition,” the University of Southern California, Los Angeles, faculty member will discuss the system. It is comprised of an Apple II, a DS-65 video camera digitizer, and an Acorn 68000 processor.

Conference Session

ENLIGHTEN! ELUCIDATE! EDUCATE!

Give a talk on your favorite computing topic at the First IBM PC Faire, August 26-28, 1983, in San Francisco. You can even create and chair your own conference session.

All accepted papers will appear in the Conference Proceedings of the First IBM PC Faire, available at the show.

The deadline for abstracts and camera-ready papers is June 14, 1983.

Call or write for a Speaker’s Kit and more information today: Computer Faire, 345 Swett Road, Woodside CA 94062, (415) 851-7077.
IBM Form Processor Schools Can Use

Applied Software Technology has released an IBM PC version of the VersaForm Business Form Processor, software originally designed for Apple II, Apple III, and Apple-compatible hard disk systems such as ProFile and Corvus Omninet.

The IBM PC version shares a standard VersaForm user interface. Current VersaForm users can implement their form templates on an IBM PC without modification.

IBM PC version, compiled under version IV.0 of UCSD Pascal, implements several hardware features of the IBM system. Multimode reverse screen video for easier data entry; full "function key" support to speed command selections; the use of floppy disk drives of up to 400 Kbytes per diskette for increased data storage capacity; utilization of main RAM memory as a logical disk drive (384 Kbytes of a maximum of 512 Kbytes permitted on the IBM PC) are standard PC version features.

Exchange of forms data is permitted between Apple II/III and IBM PC Systems, regardless of source machine, through a communications sub-system (e.g. modem, local area network, etc.) or a hard disk network (e.g. Corvus, Omninet, Santa Clara Systems SCS-series, etc.). System requirements for the IBM PC version are 128 Kbytes of system memory (RAM) and two double-sided floppy disk drives.

IBM PC VersaForm costs $399. For more information, contact: Applied Software Technology, 14125 Capri Dr., Los Gatos, CA 95030, (408)-370-2662.

REQUEST for HOTEL RESERVATIONS

SAN FRANCISCO CIVIC CENTER

For your convenience, Computer Faire has arranged for San Francisco Convention and Visitors Bureau to handle accommodations at the following hotels. These rates are only valid on reservations received by February 17, 1983. Rates are subject to 7.9% Hotel Tax, used in part to pay for San Francisco convention facilities.

Please complete this form and mail to: West Coast Computer Faire Housing Bureau San Francisco Convention and Visitors Bureau Box 5612 San Francisco CA 94101

Advance reservations under this plan must be made on this form. Telephone reservations cannot be accepted.

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Do NOT SEND A DEPOSIT WITH THIS FORM.

No hotel reservations will be confirmed by the Computer Faire Housing Bureau until receipt of this form.

February 1983

Silicon Gulch Gazette
BEST of the COMPUTER FAIRES
Conference Proceedings of the West Coast Computer Faires

Listed below are the section titles for each volume.

1. The Best of the Computer Faires, Volume I
   Conference Proceedings of the 1st West Coast Computer Fair
   Banquet Presentations
   Tutorials for the Novice
   People & Computers
   Human Aspects of System Design
   Personal Computers for the Physically Disabled
   Legal Aspects of Personal Computing
   Heretical Proposals
   Computer Art Systems
   Music & Computers
   Electronic Mail
   Computer Networking for Everyone
   Personal Computers for Education
   Residential Energy & Computers
   Computers & Systems for Very Small Business Entrepreneurs
   Speech Recognition & Speech Synthesis by Home Computers
   Tutorials on Software Systems Design
   Implementation of Software Systems & Modules
   High Level Languages for Home Computers
   Multi-Tasking on Home Computers
   Homebrew Hardware
   Bus & Interface Standards
   Microprogrammable Microprocessors for Hobbies
   Amateur Radio & Computers
   "Computer Hardware"

2. The Best of the Computer Faires, Volume II
   Conference Proceedings of the 2nd West Coast Computer Fair
   Banquet Presentations
   An Introduction for the Absolute Novice
   Computers for the Physically Disabled
   Computers for the Visually Handicapped
   Exotic Computer Games
   Computers in the Arts
   Legal Aspects of Home Computers
   Computer Forensics
   Communications Networks & Personal Computers
   Public Access Computer Centers
   Computers in Education
   Business Computing on Small Machines
   For Computer Businesspeople & Craftspeople
   Microcomputer Applications
   Speech Input & Output
   Computers in Amateur Radio
   Hardware & Software Standards
   Brewing Home Hardware
   Designing with Microprocessors
   Commercial Hardware
   High Level Languages & Translators
   Block Structured High Level Languages for Microcomputers

3. The Best of the Computer Faires, Volume III
   Conference Proceedings of the 3rd West Coast Computer Fair
   Introduction for Novices
   Visions of Near Future
   Computer Music Systems
   Intelligent Machines to Aid the Physically Impaired
   Low-Cost Computers in Biomedical Environments & Health Delivery Systems
   Computers for Education & Teaching
   Computer Games & Puzzle Solving
   Potential Legislation Affecting Computer Users & Owners
   Low-Cost Aid to Government
   Legal Aspects of Computer & Software
   Inexpensive Computing for Business
   The Business of Inexpensive Computing
   Business Systems Software
   Floating Point Standards & Mathematical Micros
   Microcomputer Software & Peripherals: Plain & Fancy
   Communicating Computers
   The Unclassifieds: A Potpourri
   Post-Peach Paper: Arrival After the Press
   Began to Roll

4. The Best of the Computer Faires, Volume IV
   Conference Proceedings of the 4th West Coast Computer Fair
   The Effect of Computers on Society
   Designing Computers for Humans
   Computer Communications for Human Communication: An Overview
   Computer Communications for Human Communication: Digital Broadcasting
   Computer Communications for Human Communication
   Bidirectional Microcomputers
   Energy Management & Equipment
   Low-Cost Educational Computing
   Personal Computing for Physicians & the Physically Impaired
   Inexpensive Business Computing
   Microcomputer Applications
   Musical Computing
   Systems Software: Pascal
   Systems Software: FORTRAN
   Systems Software: Pilot
   Potpourri: Plain & Fancy
   Micro-Computers
   "Amateur Radio & Microcomputing"

5. The Best of the Computer Faires, Volume V
   Conference Proceedings of the 5th West Coast Computer Fair
   Tutorials for the Novice
   Artificial Intelligence & Micros
   "Computer Games & Computer Education"
   Low Cost Computing for Education
   "Teaching About Computers & Programming"
   Computer Assisting the Physically Impaired
   Medical Computing
   Business & Low Cost Computing
   Computer Music
   Personal Communications & Microcomputers
   Unusual Microcomputer Applications
   Legal Aspects of Software Protection
   Micro Software Engineering
   Significant Software for Inexpensive Machines
   Pascal & Pascal Machines
   Micro Hardware & Interface
   Potpourri

6. The Best of the Computer Faires, Volume VI
   Conference Proceedings of the 6th West Coast Computer Fair
   For the Novice: Introduction to Computer Programming
   Very Useful Applications
   Computer Graphics: Input
   Computer Graphics: Processing
   Computer Graphics in Two & Three Dimensions
   Special & Multimedia Computers
   Mass Digital Telecommunications
   Computers for Document Production
   Biomedical Computing
   Computers for the Physician's Office
   Computing in Law & in Computing
   Computer Assisted Instruction: Plain & Fancy
   Computer Games & Education
   Financial & Economic Applications
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   About Computing: Some Observations
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   Languages: UCSD Pascal Systems
   Language: FORTRAN
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   Systems: Database Management on Micros
   On the Design of Hardware & Software
   Homereview Hardware
   "Quasi-Computers & Very Commercial Hardware"
   A Report from Japan
   The Last One

7. The Best of the Computer Faires, Volume VII
   Conference Proceedings of the 7th West Coast Computer Fair
   For Novices
   Applications
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   Preschool Computing
   Music
   "Graphics"
   Medicine
   Business Computing
   CP/M Data Management
   Software
   Software Protection
   Computer Business
   "APPLES & 6502's"
   Standards
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The Best of the Computer Faires, Volumes I-VII, will be available at the 8th West Coast Computer Fair, March 18-20 in San Francisco. Copies will cost $15 each.

For complete details, write or phone Computer Faire, 345 Swett Road, Woodside CA 94062, (415)851-7077.
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