

Identity on the Internet

Imaging Technology Used to Analyze Gang Clothing

by Anne Jackson
Information Technology Publications

Think of imaging technology as adding eyes to a computer—and, in the process, revolutionizing the work of people who think and work in visuals.

Ask Janet Hethorn, Assistant Professor of Design in the Department of Environmental Design. For the past several years Hethorn has been painstakingly gathering information and photographs documenting the apparel preferences of two distinct population groups — adolescents and skiers — and organizing the material into traditional Excel databases.

Until recently that work required using words to describe images, particularly difficult when it came to defining features like pattern, texture, shape, and color. But now, with the help of Ultimedia Manager/2, which can "see" those attributes, Hethorn can call up images to the computer screen, click on, for example, a polka-dot pattern, click on a color, or choose color combinations from a color wheel, specify apparel type, such as shorts or shirts, and ask the computer to display all images from the database embodying those characteristics.

"This technology is giving (the



Janet Hethorn, Assistant Professor of Design, has collected 500 images depicting adolescent clothing styles and incorporated them into an Ultimedia Manager/2 database.

projects) a huge shot in the arm," says Hethorn. "It allows me to do things I haven't been able to do before, like sort by color, shape, composition, and texture without using key words. It builds a way for me to look at the data in ways I wasn't able to do before the technology became available and maybe answer questions I wasn't able to even address in the past."

"An essential part of moving these projects has been working

with I.T. They've been able to put me in touch with the people who can help me," adds Hethorn, whose imaging projects also received funding from IBM.

What about the projects' application in the real world? Hethorn is focusing her adolescent clothing research on understanding gang identity, helping school officials and law enforcement agencies differentiate

Continued on Page 4

Media Production Specialists Move to Surge II



Photographers, videographers, graphic designers, illustrators, and other Information Technology media production specialists

are now housed under one roof in 1400 Surge II. The Surge II group is part of I.T.'s Creative Communication Services, and it blends the talents of Illustration Services and Instructional Media. The staff of

media production specialists will work with you to design and develop teaching programs and professional presentations in video, slide, audio, and computer formats.

Surge II will also be part of the New Media Center, a collaborative effort involving Information Technology, the Teaching Resources Center, and faculty committees. The center will support and assist faculty with instructional presentations. A special open house is being planned. You can contact the Creative Communication Services group at 752-2133 (Illustration Services) or 752-6516 (Instructional Media). The video playback center remains in Olson Hall and equipment loan services remain in Art Annex.

You can visit Creative Communication Services on the World Wide Web at <http://www-ccs.ucdavis.edu/>

Multimedia Presentation Provides Modern View of Modern Organizations

What is a free radical? The answer to this and other questions surrounding challenges faced by those working in higher education today are included in a multimedia presentation by Carole Barone, Associate Vice Chancellor for Information Technology.

"There Is No Such Thing as a Free Radical" is the title of the presentation scheduled for Monday, Oct. 23, from noon - 1 p.m., in MU II.

Radical changes in the social and economic climate have caused radical

changes in higher education. These changes require a new style of information technology organization and a new style of working within that organization.

In her talk, Barone will present her view of the organic organization and show how members of organic organizations have the ability to do what they have to do to exploit opportunities.

All members of the campus community are invited to attend. For further information call 752-1215.

E-mail the Bookstore

You can now use e-mail to solicit information from the UCD Bookstore Computer Shop.

Send inquiries to: computershop@ucdavis.edu



Technology Tip

When you login to the campus computing system, you can get more efficient response time by using this shortcut:

Instead of typing a specific machine name (e.g. rocky, bullwinkle, chip, dale) at the prompt, type:

isun

You will be directed automatically to the machine with the lightest load.

Window of Opportunity?

With all the publicity surrounding the release of Windows 95, many campus users are wondering if it is time for them to convert to the new operating system. Information Technology formed a workgroup that looked into the pros and cons of upgrading to Windows 95. The findings of that workgroup are posted on the World Wide Web at <http://www.ucdavis.edu/IT/Solutions> Look under the "FYI" section.

I.T. at the Fair

Everything from computer diagnostics to cellular telephones will be featured at the Campus Service Fair on Tuesday, Oct. 17, in Freeborn Hall.

See page 4 for more details.

TSP to Send Invites

Information Technology will be sending invitations this month to prospective participants in the Fall orientation for the Technology Support Program. For further information, send e-mail to tsp@ucdavis.edu.

Quotables

"...A library that charges people by the page or by the minute is no longer a library."

— Chairman of the Security and Exchange Commission

commenting on the SEC's decision to preserve free access to its electronic database of corporate filings and other records.

Courtesy of Edupage

Inside I.T.

From Phones to Computers

Jim Burns knows trenches, and he knows communication closets. He knows cable, and he knows connections. Most of all, he knows how all the pieces of the campus communication infrastructure work together.



Jim Burns

When Burns joined Communications Resources (then Telecommunications) in 1986, UC Davis was installing a new electronic telephone system that sent rotary dial telephones the way of the dinosaur and paved the way for voice mail and other voice communication applications. Burns worked as supervising construction inspector for the telephone project. As inspector, he saw that new cable was carried to 460 campus buildings and that NAMs (phone jacks) were in place for 7,500 telephone lines.

Now, Burns is at it again. As project manager for Network 21, Burns is working with campus departments, vendors, and contractors to coordinate all aspects of the Network 21 project. When his work on the project is complete, campus users will be able to plug computers into the campus network in much the same way telephone connections are made.

"My job is to make sure that we deliver Network 21 to the campus within cost and on time," says Burns, noting that the project will be completed in four phases.

Construction on the first phase, communication closet renovation,

began in July. Other phases include the placement of high-speed fiber optic cable, installation of electronic routers and hubs, and the installation of horizontal wiring in buildings.

While each phase of the Network 21 project has a different start and end date, all are interconnected and interdependent.

"Any change in any one aspect of the project affects everything," says Burns. "Even a very trivial thing could cause a project delay."

To keep the project on track, Burns meets with representatives from other campus departments involved with Network 21 construction (e.g., Architects and Engineers and Facilities and Planning), and he meets weekly with the Communications Resources' Network 21 team.

All the pieces of the project will come together in June 1997, when over 200 campus buildings are connected to Network 21.

Then Burns will be able to ask, what next?

Guide Wins Award

The 1994-95 Information Technology Faculty Services Guide won first place in a national competition sponsored by the Special Interest Group on University and College Computing Services (SIGUCCS). At a Glance documents took honorable mentions in the competition. SIGUCCS is a special interest group of The First Society in Computing, an organization dedicated to the development of information processing as a discipline, and to the responsible use of computers.

Stratford, Government Documents, Shields Library; Andres Fernandez, Wildlife, Fish and Conservation Biology; Karen Beardsley, Environmental Studies; Hemang Patel, Molecular and Cellular Biology; Tom Moore, Center for Engineering Plants for Resistance Against Pathogens; David A. Oei, Neurobiology/Physiology and Behavior and Medical Pathology; David Bunch, Graduate School of Management; Brian Higgins, Chemical Engineering and Materials Science; Ken Tarboton, Hydrologic Science; Paul Grant, I.T./ANSA.

Richard Plant, Agronomy and Range Science; James Case, California Veterinary Diagnostic Lab; Martina McGloughlin, Biotechnology Program; Grace Rosenquist, Neurobiology/Physiology and Behavior; and Paul Schneeman, I.T./ANSA were session chairs.

Look for more information on the work of those participating in the colloquium in future issues of the *I.T. Times*.

He Keeps Looking Ahead

Faust Gorham takes a lot of test drives. With 1,600 different software programs to choose from and new computers coming in all the time, he has to. After all,



Faust Gorham

Gorham does not work in your typical office. As resource specialist for the Center for Advanced Information Technology (CAIT), Gorham is always looking at new vehicles for processing, transmitting, and compiling information. And he is anxious to share his discoveries with others.

"Deciding what computing hardware and software to buy is not easy," says Gorham. "You are faced with a major expenditure, and you want to be sure your investment is the right one."

"At the CAIT we can help you figure out what you need," he says.

Gorham, who is studying for a degree in computer science and engineering, has maintained an office at the CAIT in the southwest corner of Shields Library for two years. At the CAIT he has a close-up view of what new technologies are coming and how they might be used.

The CAIT staff will assist in your test and evaluation of new hardware and software. And if you are interested in testing a particular computing configuration, the CAIT will work with vendors to locate necessary hardware and software.

In addition to individual consultation, the CAIT coordinates vendor demonstrations and other technology-related events. For the past couple months, Gorham has been hosting demonstrations for faculty interested in using technology in teaching and research.

"We also try to find ways to help departments with smaller budgets gain access to new technologies," says Gorham. For example, the CAIT provides a server with access to the World Wide Web to more than 40 departments on campus.

"With our Web server, even departments that don't have network connections or the money to buy necessary hardware can have a home page on the Web," says Gorham.

The CAIT is open Monday - Friday, 8 a.m. - noon and 1 - 4 p.m. Call 752-5711 or send e-mail to advancedit@ucdavis.edu. You can visit the CAIT on the World Wide Web at <http://cait@ucdavis.edu/>

At Home on the Web

Division of Biological Sciences

<http://www.dbs.ucdavis.edu/>

This home page offers a detailed look at the Division of Biological Sciences. It includes personnel/student profiles, information about campus centers administered by the Division of Biological Sciences (including the Center for Neuroscience), and a listing of seminars related to the biological sciences.

University of California National Laboratories

<http://labs.ucop.edu/>

This page contains a tremendous amount of information about the University of California's lab management partnership with the Department of Energy. It includes an organization chart for the UC Office of the President, descriptions of the laboratories and their managing offices, programs related to the laboratories, news releases, and copies of the administrative newsletter, *LabSource* (the current copy is in HTML format, and back issues are in Acrobat PDF format).

Graduate Studies

<http://pubweb.ucdavis.edu/documents/gradstudies/gradpage.html>

The Graduate Studies home page contains information about various graduate programs in arts, education, humanities, social sciences, biological sciences, agricultural sciences, engineering, mathematics, and the physical sciences. Application information, information about the Davis community, descriptions of campus research facilities, and a link to the Dean's Office page are also included.

National Institute for Occupational Safety and Health (NIOSH)

<http://www-oem.ucdavis.edu/www/niosh/niosh.html>

The UC Agricultural Health and Safety Center is now publishing the NIOSH home page on the World Wide Web. This page offers a wealth of information about NIOSH (activities in the U.S., 800 number, database information, directory, training, publications, sponsored meetings and current events, what's new, employment opportunities, descriptions of various agricultural health and safety centers), as well as online versions of the NIOSH newsletter.

— Compiled by Bonnie Johnston

Do you have a home page you would like published? Send your submissions to us at itpubs@ucdavis.edu

Faculty Bring New Perspectives to Visual Data Analysis

Noting how spatial data analysis is now used by faculty from a variety of disciplines, Associate Vice Chancellor for Information Technology, Carole Barone, kicked off the third annual colloquium on Visual Data Analysis. The event, sponsored by I.T.'s Advanced Networked and Scientific Applications (ANSA), took place Sept. 21, in 1150 Hart Hall.

Barone's remarks were followed by presentations by faculty, graduate students, and staff on topics ranging from "Accessing Spatial Data Analysis on the Internet" to "Forest Elephant Distributions in Relation to the distance from Roads to Gabon." Many of the presenters used the Internet to access data and graphics stored in computers on and off the Davis campus.

Special guest speakers at this year's event included James Catlin from UC Berkeley and Hugh Nicholas from the Pittsburgh Supercomputer Center. Presentations also were given by the following individuals: Glenn Fitzgerald, Agronomy and Range Science; Juri

CASE STUDY

Registrar's Office Migrates from DOS to Windows

by Anne Jackson, Information Technology Publications

Alexis Runstadler is a relative newcomer on campus, but she has been handed a formidable challenge—to help the Registrar's office move from a DOS to a Windows environment. Because Windows makes it possible to use another program, like a word processor, while a BANNER session is running, the Registrar's office is changing the way it accesses BANNER — from Clarkson Telnet to Win QVT/Net for Windows. That change makes it logical for the office to start using other Windows applications as well.

Runstadler, a biologist-turned-computer resource specialist in the Registrar's office, arrived on campus in February. Since then she has been helping to ease the transition to Windows by conducting training classes for staff, providing hardware and software support, and what she calls "maximizing computer resources," by making certain, for example, that everyone has as much computer memory as they need, as well as access to a printer.

To enable the office to take full advantage of the Windows environment, Runstadler will be helping staff learn WordPerfect for Windows and other compatible applications.

The move to Windows will prepare staff for the changes that will take place in 1997 when BANNER goes to a graphical user interface.

For e-mail, they are phasing out Oramail, which is part of BANNER, in favor of Eudora, making it simpler to bring e-mail attachments into word processing programs.

"With Oramail we have to write the attachment to a file, then FTP

the file to our desktop machine, and then convert it to a word processing format," says Runstadler. "Eudora brings the mail right to your computer."

"Another nice thing about Windows," says Runstadler, is that the programs are all similar in format—Word and Excel all have the same menu set up. The similarity helps people feel more comfortable and they can learn more quickly."

The transition hasn't always been easy for staff members who have been working for years in DOS, and who are used to typing in

number codes. One of Runstadler's adjustment strategies has been to install Netscape on office computers so staff can explore the Internet during breaks and lunch hours — and, in the process, become weaned from using text-based programs and accustomed to using a mouse.

How did Runstadler get herself up to speed to help manage the change to Windows? In addition to taking courses on her own, she got involved early with I.T.'s Technology Support Program, serving on the campus workgroup that designed the program, and participating in the

TSP pilot this summer. Runstadler cites one of the courses she took in the TSP pilot—Introduction to Technology Training—as a particular help in teaching her how to conduct training classes.

"I had taught biology before," she says, "but I didn't have experience teaching people older than myself, and we discussed the dynamics of that in the class."

"Another course from the pilot project that helped us was the one on departmental technology planning," says Runstadler. "Technology planning is a big issue for us because we're going through tremendous changes with Windows and in the way we access BANNER and replacing our old clunky computers."

The introduction to consulting course was also helpful, Runstadler reports. And her ongoing connection with I.T. as a Technology Support Coordinator continues to be a help. In particular, she cites the networking aspect of the Technology Support Program, which enables participants to get to know one another and to share information, along with the benefit of having direct access to an I.T. representative to get questions answered.

"Just knowing I had someone I could get hold of has been the biggest help," she says. "When I was setting up a listserver for the office, for example, I got a strange message back from the listprocessor program. I couldn't find the answer in the documentation, so I asked Tim (Lechane) and he couldn't figure it out either, so he put me in touch with the postmaster and he worked with me and we figured it out."

"People have nothing to lose and everything to gain from the Technology Support Program," says Runstadler.

The Individual: Alexis Runstadler, Computer Resources Specialist, Registrar's Office.

The Challenge: To help the Registrar's Office make the transition to a Windows environment.

The Solutions:

- ▶ Conducting formal training classes for staff in Windows applications.
- ▶ Providing hardware and software support
- ▶ Participating in I.T.'s Technology Support Program
- ▶ Maximizing office computer resources by installing needed memory and updating hardware
- ▶ Installing Netscape on office computers to help staff become accustomed to using a mouse

The Tools:

- ▶ WordPerfect for Windows
- ▶ Microsoft Access
- ▶ Netscape
- ▶ Eudora

Her Advice:

- ▶ If you are changing to Windows, take it slow. Let staff use both DOS and Windows for a time so they can do things the old way if they're not feeling up to trying something new
- ▶ Give staff plenty of time to play around with Windows so they can personalize their screens, for example, and become comfortable with using menus and a mouse
- ▶ Take advantage of I.T.'s Technology Support Program



Alexis Runstadler

PROJECT UPDATE

NetWork 21

The September issue of the *I.T. Times* mentioned that the Network 21 Project will be completed in four phases:

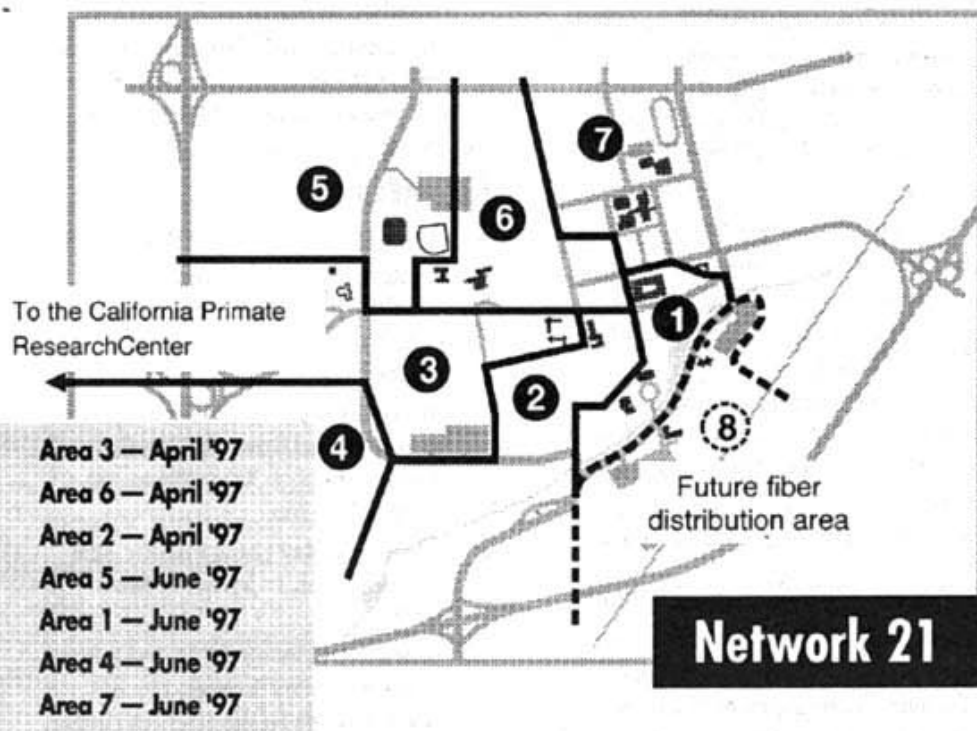
- ▶ Communication closet renovation
- ▶ Placement of high-speed fiber optic cable
- ▶ Installation of electronic routers and hubs
- ▶ Installation of horizontal wiring in buildings

As the map here shows, construction also will be completed in different areas of campus at different times. Final completion of the Network 21 project is slated for

June 1997, some areas of campus (2, 3 & 6) should be connected to the new high-speed network in the spring of '97.

Work on Phase 1, closet renovation, is now underway in Area 3. Closet renovation began in Area 3 because the Network Operations Center (NOC) is located in this area. According to project manager, Jim Burns, the NOC must be functional before any other Area can be brought online.

Construction will then move to Areas 6 and 2. The buildings in these areas are primarily academic and, therefore, critical to the mission of the University.



Upon completion of work in Areas 3, 6 and 2, the network will be tested. After this testing is complete, the remaining areas will be brought online.

To receive regular updates

about the Network 21 project, you may subscribe to the electronic mailing list net21info. Information about the Network 21 project also is available on the World Wide Web at <http://cr.ucdavis.edu/>

I.T. CALENDAR

OCTOBER 1995

S	M	T	W	T	F	S				
1	Library & Internet	2	Electronic Tour	3	Voice Mail	4	CAIT Presentation	5	6	7
8	Melvyl	9	10	Computer Fest	11	Melvyl	12	13	14	
15	Online Catalog	16	Windows Intro	17	Eudora	18	Online Catalog	19	20	21
22	Carole Barone Presentation	23	24	Melvyl	25	Melvyl	26	27	28	
29	Windows Intro	30	31	Excel Intro						

October

- 2** Overview of Library and Internet Information Resources: Library Services, 3 - 4 p.m., 2nd Floor Instruction Room, Shields Library; 752-2678 or e-mail klfirestein@ucdavis.edu.
- 3** An Electronic Tour of UC Davis: Staff Development, noon - 1 p.m., MU II; 752-1766.
- 4** Voice Mail Training: Communications Resources, 10:30 a.m. - noon, CR Conference Room; 752-6888.
- 5** Desktop Realism with the Indigo2 IMPACT Workstations: CAIT, 10 a.m. noon; Center for Advanced Information Technology, 1st floor Shields; 752-5711 or advancedit@ucdavis.edu
- 9** Basic Melvyl Library System Commands: An Introduction to the Online Book and Journal Catalog at UC Davis: Library Services, 3 - 4 p.m., Shields Library Microcomputer Room; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 11** Computer Fest: Bookstore Computer Shop; 10 a.m. - 4:30 p.m.; I.T. Computer & Printer Repair will be on hand to answer questions about Macintosh products, HP printers, and AppleCare insurance.
Internet Using Netscape: (two-part course offered Oct. 11 and 13) Staff Development, 1:30 - 4:30 p.m., 40 Mrak; 752-1766.
Telephone Training (Single Line): Communications Resources, 10:30 a.m. - noon, CR Conference Room; 752-6888.
Telephone Training (Multiline): Communications Resources, 1:30 - 3 p.m., CR Conference Room; 752-6888.
- 12** Basic Melvyl Library System Commands: An Introduction to the Online Book and Journal Catalog at UC Davis: Library Services, 11 a.m. - noon, Carlson Health Sciences Library; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 16** Remote Computer Use of the Online Catalog and Journal Indexes: Library Services, 3 - 4 p.m., Shields Library Microcomputer Room; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 17** Introduction to Windows: (two-part course offered Oct. 17 and 19) Staff Development, 8:30 - 11:30 a.m., 40 Mrak; 752-1766.
Voice Mail Training: Communications Resources, 10:30 a.m. - noon, University Extension Building, Room 104; 752-6888.
Voice Mail Training: Communications Resources, 1:30 - 3 p.m., University Extension Building, Room 104; 752-6888.
Campus Service Fair: Technology Training, Photography & Illustration, Media Production, and Computer & Printer Repair are among the many Information Technology Services to be featured at this all-day event in Freeborn Hall.
- 18** Overview of Library and Internet Information Resources: Library Services, 2 - 3 p.m., 2nd Floor Instruction Room, Shields Library; 752-1678 or e-mail klfirestein@ucdavis.edu.

- Electronic Mail Using Eudora: Staff Development, 1 - 5 p.m., 40 Mrak; 752-1766.
Voice Mail Training: Communications Resources, 1:30 - 3 p.m., CR Conference Room; 752-6888.
- 19** Remote Computer Use of the Online Catalog and Journal Indexes: Library Services, 11 a.m. - noon, Carlson Health Sciences Library; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 23** Using the Melvyl Library System Efficiently: Library Services, 3 - 4 p.m., Shields Library Microcomputer Room; 752-1678 or e-mail klfirestein@ucdavis.edu
- "There is No Such Thing as a Free Radical" Multimedia presentation by Carole Barone, Associate Vice Chancellor for Information Technology; Noon - 1 p.m., MU II.
- 25** Using the Melvyl Library System Efficiently: Library Services, 2 - 3 p.m., Shields Library Microcomputer Room; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 26** Using the Melvyl Library System Efficiently: Library Services, 11 a.m. - noon, Carlson Health Sciences Library; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 30** Journal Articles on the Melvyl Library System: Library Services, 3 - 4 p.m., Shields Library Microcomputer Room; 752-1678 or e-mail klfirestein@ucdavis.edu.
Introduction to Windows: (two-part course offered Oct. 30 and Nov. 1) Staff Development, 8:30 - 11:30 a.m., 40 Mrak; 752-1766.
- 31** Overview of the Internet: Staff Development, Noon - 1 p.m., East Conference Room, MU; 752-1766.
Introduction to Excel: (two-part course offered Oct. 31 and Nov. 2) Staff Development, 8:30 - 11:30 a.m., 40 Mrak; 752-1766.

November

- 1** Journal Articles on the Melvyl Library System: Library Services, 2 - 3 p.m., Shields Library Microcomputer Room; 752-1678 or e-mail klfirestein@ucdavis.edu.
Introduction to Mac OS: (two-part course offered Nov. 1 & 3) Staff Development, 1:30 - 4:30 p.m., 40 Mrak; 752-1766.
- 2** Electronic Mail Using Eudora: Staff Development, 1 - 5 p.m., 40 Mrak; 752-1766.
Journal Articles on the Melvyl Library System: Library Services, 11 a.m. - noon, Carlson Health Sciences Library; 752-1678 or e-mail klfirestein@ucdavis.edu.
- 6** CD-ROM Databases: More Indexes to Journal Articles at UC Davis: Library Services, 3 - 4 p.m., 2nd Floor Instruction Room, Shields Library; 2-1678 or e-mail klfirestein@ucdavis.edu.
Contributions are welcome. Send them to itpubs@ucdavis.edu.

Information Technology on Tap at Campus Service Fair

If you use an Apple computer or a Hewlett Packard printer, you may want to swing by the Campus Service Fair in Freeborn Hall between 10 a.m. and 3 p.m., Tuesday, Oct. 17. Information Technology's Computer and Printer Repair (I.T. - CPR) will be there answering questions and handing out coupons worth 35 percent off AppleCare diagnostics.

I.T. CPR is just one of many Information Technology services to be featured at the campuswide event in Freeborn Hall. Cellular telephones, alpha-numeric pagers, voice mail, and the Eudora e-mail program also will be demonstrated.

Those who visit the Information Technology section will have an opportunity to learn more about the World Wide Web, Geographic Information Systems, and Network 21.

I.T. media production specialists will be available to answer questions, and information will be provided on printing, publishing, design, and other services offered by I.T.'s Creative Communication Services.

Information also will be provided on the Technology Support Program, Technology Training, and the Center for Advanced Information Technology (CAIT).

Using Imaging Technology to Analyze Gang Clothing

From Page 1

between gang clothing and benign juvenile clothing styles, and documenting those differences in the face of rapid changes in style and meaning.

The purpose, says Hethorn, is to help officials devise appropriate intervention strategies and to avoid stigmatizing youngsters who may look like gang members, but who instead may be simply responding to fashion trends.

"Schools are imposing dress codes and uniforms without understanding the real meanings being communicated or the dynamics of clothing and identity," says Hethorn. "I hope this will inform those policies. An adult may look at a kid and say that their clothing represents a gang, when it might be just a fashion thing. But meanwhile the idea that they're something they're not becomes communicated to the kid. My strong feeling is that dress codes don't work unless they're done properly."

Working with midwest gang investigators and a Los Angeles County gang task force, Hethorn has interviewed dozens of gang members and youngsters from areas where gangs are prevalent. She has now collected some 500 images illustrating expressions of gang identity and non-gang street style clothing. She is incorporating those images into the Ultimedia Manager/2 database as a resource for schools, law enforcement officials, and community-based organizations working with young people.

Meanwhile, with the help of Ken Weiss and Steve Faith of I.T.'s Distributed Computing Analysis and Support unit, Hethorn has created an electronic field guide to gang identity to go on the Internet. The guide will be accessible to anyone through the World Wide Web.

And what about her research on ski clothing? Hethorn has collected more than 1,000 images, the product of seven years' worth of interviews with people at ski resorts, recording what they like and don't like about their ski apparel. Many of those images have now been built into an Ultimedia Manager/2 database, which Hethorn hopes will help

the skiwear industry analyze market trends and develop new products.

Hethorn is also busy creating still another database, this one on apparel for older women—a group, says Hethorn, that "the apparel industry sizing standards don't consider." For that project Hethorn collaborated with data collectors to measure and interview more than 7,000 older women in senior centers around the country. In addition, Hethorn photographed subjects from Northern California and asked them additional style and fit questions.

"I'm hoping to publish the results soon, so the information can be used by the industry for design decision-making," says Hethorn.

Whois++ Project Gets a Boost

The Whois++ online directory project has received \$140,385 in funding from the National Science Foundation, through MCNC. The project, directed by Ken Weiss of I.T.'s Distributed Computing Analysis and Support (DCAS), will test online white pages service by implementing a UC systemwide directory. Full implementation of the testbed is scheduled for May 1996. MCI and Commercenet are commercial participants in the project.

I.T. TIMES

The I.T. Times is published by the Division of Information Technology, University of California, Davis, to inform the campus community and others of information technology services, facilities, and activities at UC Davis. It is distributed free of charge to members of the user community and to other universities.
Use of trade or corporation names in this publication does not constitute endorsement by the University of California, Davis.
I.T. Times articles may be reprinted as long as the source is accurately quoted and credited.

Editor: Catherine Fehr Curran 752-5965
Writer: Anne Jackson 754-8302
Assistant: Bonnie Johnston 752-1009
Designer: Marianne Post
Masthead: Doug Gentry

Send e-mail to itpubs@ucdavis.edu

Contributors to this issue:

Janet Hethorn	Joyce Johnstone
Jim Burns	Ken Firestein
Gabriel Unda	Jim VonKummelhoff
Lois Unger	George Shearer
Paul Schneeman	Alexis Kunstler
Paul Grant	Faust Garhorn
Sandy Duncan	Gordon Lau
Diane Ross	Carole Barone
Doug Hartline	Marsha Reoddick
Pete Peterson	Jeff Barrett