

# TIMES

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## Special Issue — Odyssey '98

### Odyssey '98: Issues, Challenges, and Rewards of Information Technology

BY MATT MALONE

Is information technology a potential that needs to be realized, or a problem that needs to be solved? Will distance learning revolutionize academia, or compromise its integrity in the name of a pseudo-education? And who's going to pay for all of this new technology anyway?

These are some of the questions that surround information technology on the UC Davis campus, and these are precisely the topics that this year's Odyssey events will explore. Odyssey, now in its third year, is the largest educational event of its kind on campus. Its goal: to act as a forum for exchanging ideas, exploring perspectives, and relating experiences in the use of information technology on campus. Odyssey '98 promises to be the best yet, bringing faculty, staff, and students together in a campuswide discussion about the issues, challenges, and rewards of information technology in education. This will be a

three-day event, culminating in the computerized "take-over" of Freeborn Hall on Thursday, May 28, for a massive Technology Showcase.

#### Bringing the Campus Together

Even from its initial planning stages, the Odyssey team (of which I am happily a new member) has focused on bringing a variety of campus constituencies together, developing a sense of community across ranks and disciplines. The planning of Odyssey itself — from the initial group that came up with the theme, to every marketer, promotional volunteer, and presenter — involved people from all across campus. The various sponsors of the event reflect not only the fact that information technology will affect all segments of the campus, but that the campus community has a genuine interest in exploring the possibilities of information technology across and among our varied roles and duties.

#### Student Issues on the Agenda

Use of information technology resources has never been more essential for students than it is now. Yet the student need for these resources brings up issues and challenges as well. Should students have to pay a fee for these services? Can the campus guarantee access to students from off campus, especially with a shrinking modem pool? Will the problem of overcrowding in campus labs ever be solved? With this in mind, student issues will be especially highlighted at this year's Odyssey, and not all of them will be strictly academic. Take, for example, the online ASUCD Book Exchange, which allows students to buy and sell used textbooks via the Web, as well as quickly and efficiently check whether a book they put up for sale has been sold. Moreover, the Internship and Career Center (ICC) has extensive career-related online offerings for students, alumni, and employers, which will also be demonstrated at Odyssey. "I think students need to be made more aware of the benefits of attending this fair," said the ICC's Joe Scuderi. "Odyssey can alert students to many special pro-



#### IN THIS ISSUE

Calendar .....	8
Guide to Odyssey '98 Events .....	3
Acknowledgements .....	7
At Home on the Web .....	7
Booths .....	3
Ergonomically Speaking .....	7
Floor Plan .....	2
Presentations .....	3
Raffle and Door Prizes .....	8
Tutorials .....	6

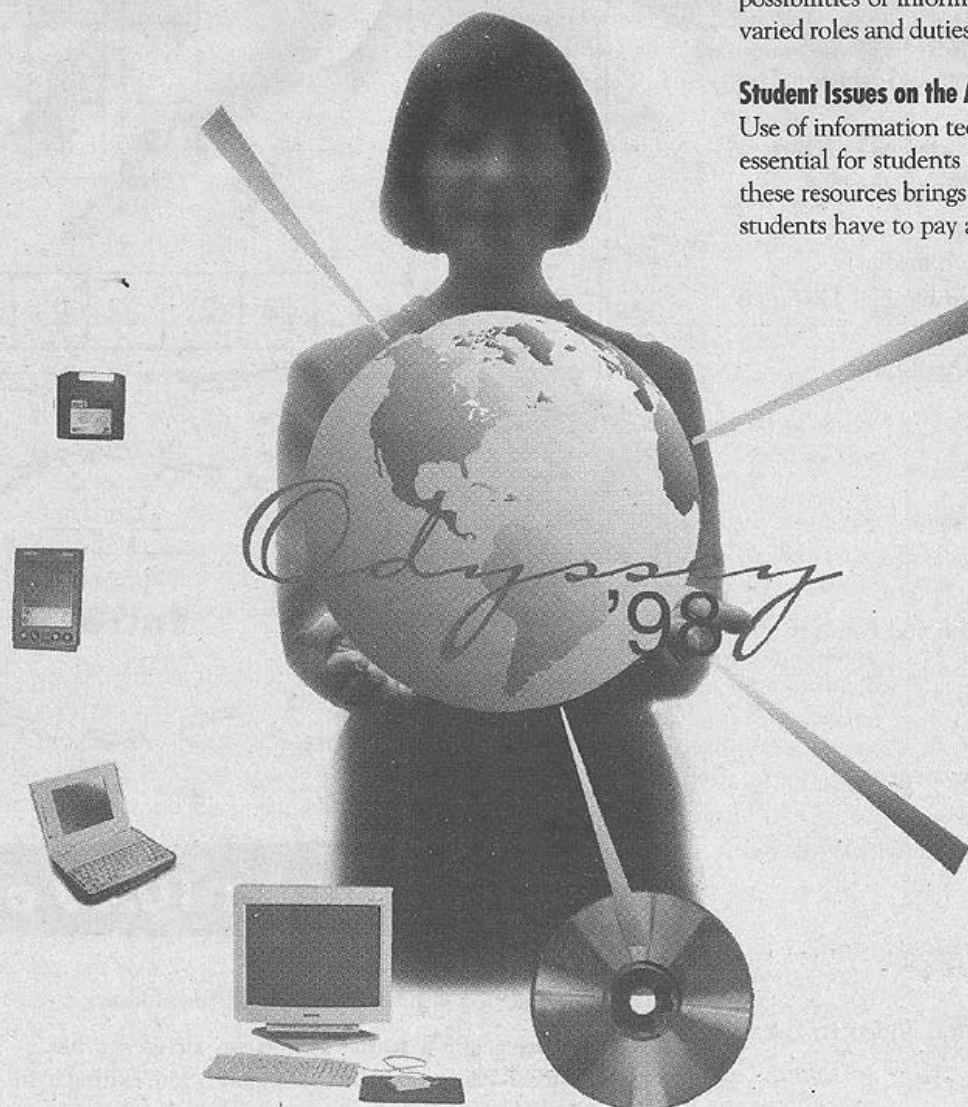


Photo montage by Steve Oerding and Joe Castillo

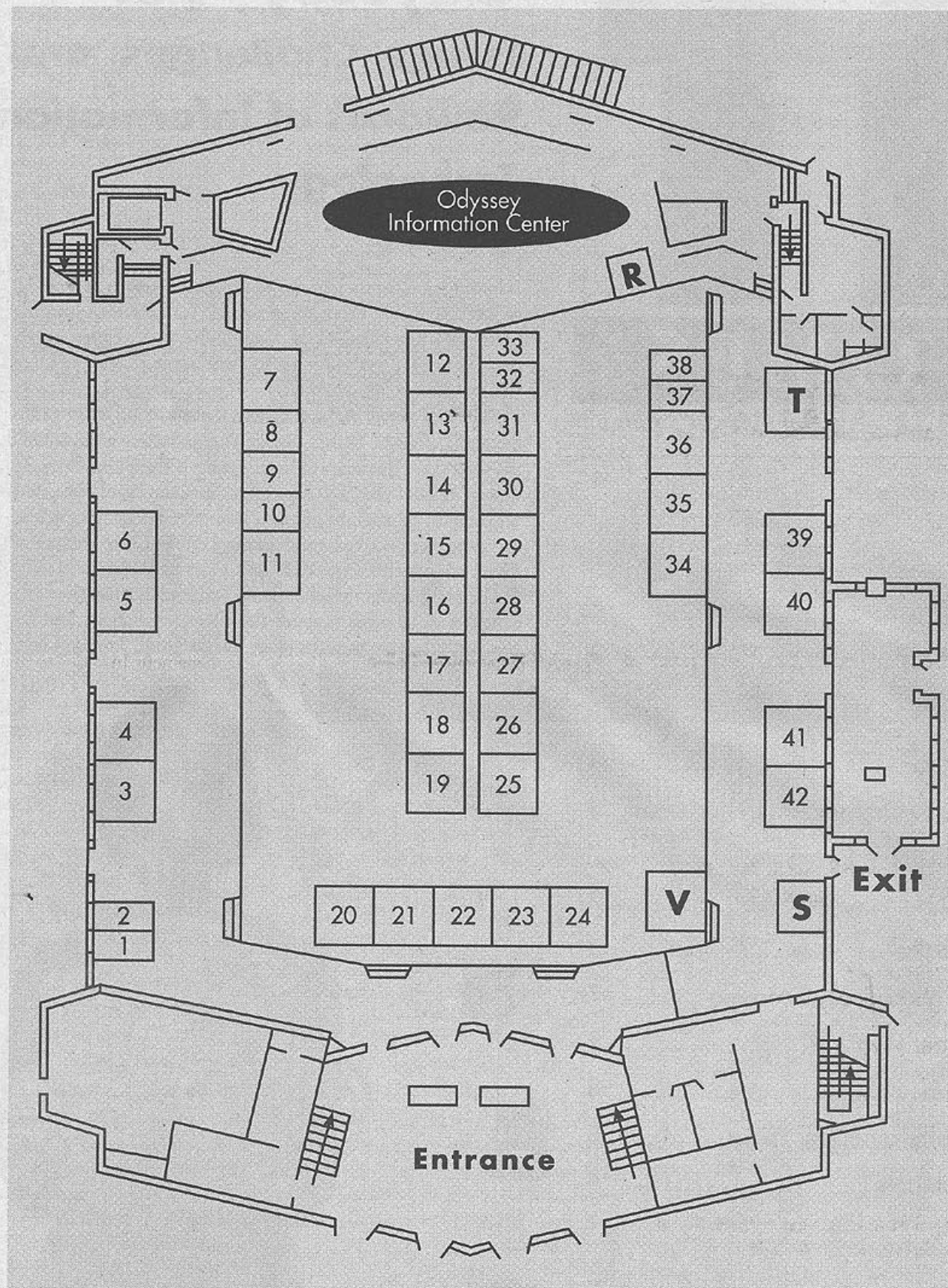
see Perspective on page 8

# Technology Showcase Floor Plan

Freeborn Hall • Thursday, May 28, 1998

This floor plan shows the layout of Freeborn Hall for the May 28 Technology Showcase. Booths are identified by number; for more information about any booth, see the description in the Odyssey '98 Program Guide, pp. 3-6 of this issue.

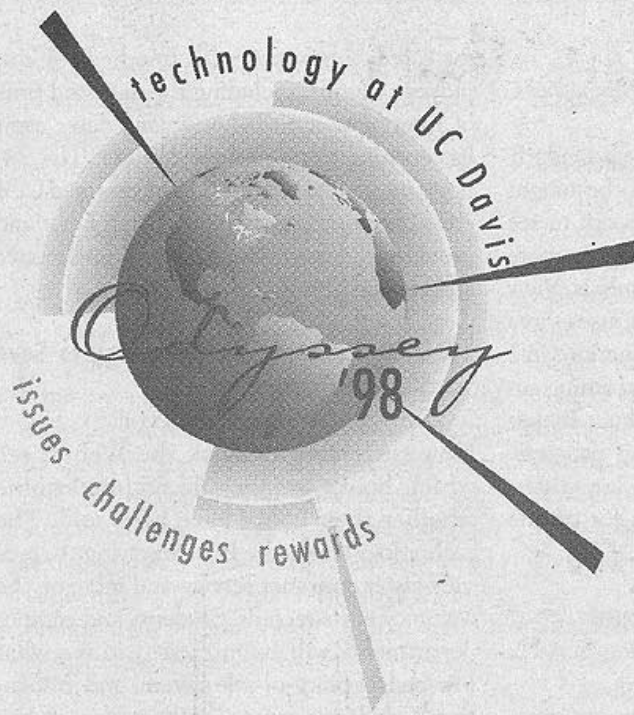
1. Bringing the Library to Your Desktop
2. The British Women Romantic Poets Project
3. Solving Garden Problems: A University of California Interactive CD-ROM
4. Chemical Management Online
5. The Information Center for the Environment
6. Geographic Information Systems
7. QBIC in the Art and Art History Department
8. Difficult Chinese Characters? Animate them!
9. Italiano nel Internet
10. Creating Instructional Web Pages
11. The Arbor: Faculty Center for Teaching and Technology
12. Postmortem Telecasting: Autopsy Online
13. Java, Video, and the Web Enhance Physics Classes
14. Internet Tools for Preparing Course Materials in Engineering
15. Web Site Design and Development
16. "Instant" Publications: Database to Paper, Database to Web, and Back Again
17. Using Free Software for Dynamic Web Design
18. Career Interviews for UCD Students and Alumni: The New Online Bid System
19. Using Point-of-Sale Technology to Save Students Money
20. Virtual Lectures Free Students to Think Critically
21. Teaching Biological Science Online
22. New Technologies in Veterinary Multimedia
23. Remote Technical Assistance: Enhanced Distance Learning through Interaction
24. Digital Video: From Production to Application
25. Student Gateway
26. Tools for Technology
27. UCD Bookstore Automation
28. Using Brio to Simplify Database Queries
29. Running Windows 95 on a Macintosh G3
30. Smart Maps
31. The Rewards of Moving Information and Forms to the Web
32. Graduate Admissions Online
33. Banner Version 3.0
34. The Year 2000 Problem: Building Awareness
35. Emerging Technology at UC Davis
36. Utilizing Technology to Improve Productivity While Reducing Injury Potential
37. Plant Operations Online
38. Computerized Engraving
39. University Outreach on the Web
40. Tower of Youth: Delivering Digital Video to Local Schools
41. Remote Access
42. Distributed Computing and Network Security



**Exhibit Hours: 10:00 a.m. - 4:00 p.m.**

Booth locations labeled with letters are identified as follows:

- R = Raffle. See page 8 to learn how you can win great prizes.
- S = Exit Survey. Please take a few moments before exiting to fill out a survey, to help evaluate Odyssey '98.
- T = Tutorials. Short tutorial sessions are scheduled throughout the day on May 28; the schedule is on p. 6.
- V = Vendors. Laptops, personal digital assistants (PDAs) and other products will be on display.



## BOOTHS

Booths will be open from 10 a.m. to 4 p.m. at the Technology Showcase on May 28 in Freeborn Hall. (See floor plan on page 2.)

### 1. Bringing the Library to Your Desktop

Sandra Vella, General Library

Glimpse the technologies that are allowing students and faculty to access and retrieve library resources and primary materials from the Web. Learn about new Web-accessible databases, humanities and social sciences CD-ROMs, and "House Calls," a new Health Science Library service that sends a librarian to your office or home to help you with electronic retrieval of information.

### 2. The British Women Romantic Poets Project

Nancy Kushigian, Charlotte Payne, Shields Library

The British Women Romantic Poets Project is creating electronic editions of rare literary texts and making them available on the Web. Using software that is highly accurate in recognizing archaic and small typefaces, texts are scanned, processed, and tagged according to Text Encoding Initiative guidelines. View this collection of electronic editions and learn about the technologies' scholarly interest and applications.

### 3. Solving Garden Problems: A University of California Interactive CD-ROM

Mary Louise Flint, UC Statewide IPM Project/Entomology; Cheryl Reynolds, Joyce Strand, UC Statewide IPM Project

Horticultural advisors, master gardeners, nursery personnel, and home gardeners will be eager to view this CD-ROM, which gathers together more pest management and pest diagnosis information than has ever been compiled into a single source. The UC Statewide Integrated Pest Management department focuses on developing and promoting the use of integrated, ecologically sound pest management programs. This CD-ROM in-

cludes thousands of color images and addresses problems on almost one hundred plant species.

### 4. Chemical Management Online

Staff, Environmental Health and Safety

This online chemical management system, developed by Gerry Westcott, uses the latest technologies to provide the campus community with real-time access to chemical inventories. It saves faculty and staff time by speeding up the process of obtaining this information and by automating the reports required by regulatory agencies. It also makes it easy for emergency responders to obtain information about chemicals being used on campus.

### 5. The Information Center for the Environment

Karen Beardsley, Environmental Science and Policy

Geographic Information Systems (GIS) specialists in the Information Center for the Environment (ICE) have provided services to numerous faculty, staff, and graduate student researchers in Environmental Science and Policy for several years. These experts will demonstrate why GIS technology is gaining momentum in the wider research community, beyond the fields of geography and environmental sciences. Discover how you can use GIS to facilitate and enhance your own research.

### 6. Geographic Information Systems

Students of ABT 181 (Geographic Information Systems and Modeling)

Paul Grant, Advanced Networked and Scientific Applications

Biological and agricultural engineering students in ABT (Applied Biological Systems Technology) 181 will also demonstrate how

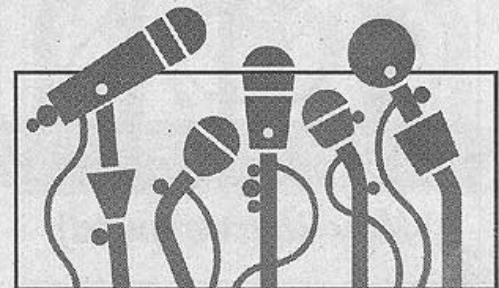
# Guide to Odyssey '98 Events

This special issue of the *IT Times* is your guide to Odyssey '98, the third annual event highlighting the creative uses of information technologies on the UC Davis campus. This year's theme, "Technology at UC Davis: Issues, Challenges, Rewards," addresses the technological issues which have had, or are having, profound effects on our campus.

Odyssey '98 is a unique opportunity to discuss some of these issues, interact with colleagues, and find out how faculty, staff, and students have incorporated technology into their work. This guide includes descriptions of the presentations scheduled from May 26 through May 28, and the booths and tutorials available at the Technology Showcase on May 28. For more information, please visit the Odyssey '98 Web site (<http://odyssey.ucdavis.edu>).

We hope you will join us on this journey to explore the world of technology at UC Davis.

—The Odyssey '98 Team



## ODYSSEY PRESENTATIONS

This series of presentations is scheduled from May 26 through May 28 in the East Conference Room, M.U.

### May 26

#### A Hybrid Approach to Distance Education

Stephen McLaughlin, University Extension  
9 - 10 a.m.

For the past two years, University Extension has been developing a novel (and patented) approach to distance education, incorporating both CD-ROMs and the Internet. The CD-ROMs include video and audio applications that would be slow and compromised over the Internet. Further resources may be accessed via the Web, which allows timely updates and real time interactions with fellow students and instructors. This presentation will provide an overview of these materials, and will include a sampling of one of University Extension's new courses.

#### Developing a Departmental Technology Plan

Sharie Sprague, Lorraine Beaman  
Offices of the Chancellor and Provost  
10:30 - 11:30 a.m.

How does a department project its computing needs into the future and ensure that user needs are met? Technical staff Sprague and Beaman have discovered that the key is balancing technical recommendations with the needs of end users. By selecting a development team that represents users' needs, standards for hardware, software, and training can be developed and implemented. This presentation will outline and explain the process used by the Offices of the Chancellor and Provost to create an office technology plan.

#### Internet Plagiarism and the Responsibility of the Professor

Andy Jones  
English/Campus Writing Center  
1 - 2 p.m.

When beginning research for major projects, students are turning increasingly to Web sites where researchers and academics regularly publish academic work. The rushed, sloppy, or overworked student may be tempted to excerpt sections and

GIS technology can be applied in teaching and research by showcasing projects using Arc/Info and ArcView. GIS technology combines graphical capabilities with database management in order to analyze and model geographically-related data.

### 7. QBIC in the Art and Art History Department

Bonnie Holt, Art and Art History

QBIC (Query by Image Content) is revolutionizing the way researchers and instructors locate and retrieve artwork from library archives. Visual characteristics, such as particular colors, images, or distinctive brushstrokes, may be designated without relying on terminology. This project is part of an international effort to make digital images of works of art and material culture easily accessible to scholars.

### 8. Difficult Chinese Characters? Animate them!

Tianwei Xie, East Asian Languages and Cultures

Learning how to write Chinese characters can be a difficult and arduous process, both for the student and the instructor. See how an animated Web-based program, accessible from any browser, shows students stroke by stroke how characters are written, and makes learning to write in Chinese fun!

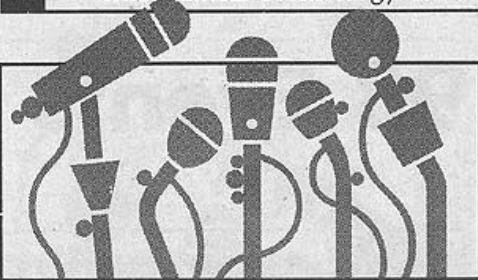
### 9. Italiano nel Internet

Claude Garrod, Physics

Written in Java as a supplement to basic Italian courses, this Italian language program supports various aspects of language learning, with emphasis on aural comprehension and basic grammar. Find out why physics profes-

see Booths on page 4

see May 26 Presentations on page 4



## ODYSSEY PRESENTATIONS

### May 26 (continued)

paste them into documents and projects that are then handed in for course credit. To make matters worse, some unscrupulous entrepreneurs sell student papers over the Internet. This presentation will discuss and illustrate the practice of Internet plagiarism, and show how the wary instructor can anticipate and help alleviate this significant problem.

#### Mass Email Distribution: Resource or Waste?

*Dave Zavatson and Debbie Edwards, Information Resources; Kevin Roddy, Medieval Studies*  
2-3 p.m.

As technologies advance and email lists are made available to nearly anyone who wants them, a number of questions must be addressed: What types of lists should be permitted? What restrictions, if any, should be placed on the sending of unsolicited campus email? When is mass email appropriate, and when is it not? These are some of the issues with which a campus committee on bulk email issues is coming to terms. This roundtable discussion is an opportunity for you to learn about and offer input on these critical and timely issues.

### May 27

#### Data Administration at UC Davis: What's in Store?

*Mary Jo Anderson, Planning and Budget Office, and Ray Reveles, Information Resources*  
9-10 a.m.

Data administration is not simply a data warehouse, and shouldn't require overhauling existing production applications to conform to someone else's standards. The better we understand the data in question, the better we can promote access and determine common policies. The presenters will outline the new data administration initiative, offer an opportunity for individuals to ask questions and voice concerns, and solicit suggestions about further communications and consensus-building ideas.

#### Cross-fertilization Between Distance Learning Projects

*Maureen McMahon, Rick Pomeroy, Barbara Goldman, Tricia Marshall and Gary Habeeb, Division of Education*  
11:00 - 11:45 a.m.

see May 27 Presentations on page 5

## Booths

from page 3

sor emeritus Claude Garrod decided to construct a home page rather than a multimedia CD for Italian instruction. This flexible, general-purpose language program is readily adaptable to instruction in any language, including ESL.

#### 10. Creating Instructional Web Pages

*Simone Monnier Clay, French and Italian*  
The benefits of technology are not limited to the sciences, and this is one of the booths that will prove it. Discover the advantages of creating a Web site for your course or program and the resources available on campus to help you do it. Monnier Clay's Web site provides new and exciting ways to facilitate communication between instructors and students and is easily accessible by the greater community and by French students around the world.

#### 11. The Arbor: Faculty Center for Teaching and Technology

*The Arbor Staff*  
Find out about the services and resources available to all UC Davis instructors. The Arbor assists faculty, lecturers, and graduate students in using instructional technology to enhance teaching. It offers year-round consultation, training, discussions, and drop-in assistance. At this booth, Arbor staff will showcase some of the projects they have worked on with faculty members.

#### 12. Postmortem Telecasting: Autopsy Online

*Henry Tesluk, UC Davis School of Medicine Autopsy Services*  
Here's an interesting example of telemedicine, the transfer of medical information by electronic means from one site to another. Doctors at UC Davis Medical Center communicate back and forth with the coroner's office by means of a special camera and electronic connection that transmits images. These transmissions are being videotaped for future use in second-year pathology courses at the medical school. More and more medical centers utilize this technology as well as networked databases.

#### 13. Java, Video, and the Web Enhance Physics Classes

*Rod Cole, Miguel Garcia, Physics*  
ElectroCard is a set of Web-based tutorials that uses Java applets, video, and other programs to present difficult material interactively and help students increase conceptual understanding. The programs, together with videos and quizzes, allow instructors to cover topics, such as radiation, that formerly were too difficult to treat in an introductory-level class. Stop by this booth to try ElectroCard and expand your understanding of the physical world!

#### 14. Internet Tools for Preparing Course Materials in Engineering

*Brian Higgins, Chemical Engineering &*

#### Materials Science

*Steve Mase, Teaching Science, Minneapolis, MN*

How can courses in the sciences, particularly mathematically-oriented courses, be taught over the Internet? Stop by this booth to see how Mathematica can be used to prepare Web pages with mathematical symbols. View a calculus course module that uses Java applets to graph user-generated functions in 2 and 3 dimensions, incorporates streaming audio/video clips, and comes with a built-in quiz to allow students to assess their progress. You'll also be introduced to TopClass, a software program that can be used for online course management.

#### 15. Web Site Design and Development

*Staff, Creative Communication Services (CCS)*  
How can you use campus resources to more effectively bridge the transition between traditional print media and electronic publishing? CCS staff will demonstrate and discuss the production of several of the Web sites they've created for campus and UC Davis Medical Center clients. Tour these sites and take CCS's online tutorial ("From Brochure to Web"), which walks you through the process of transforming your printed publication into a Web document.

#### 16. "Instant" Publications: Database to Paper, Database to Web, and Back Again

*Jason Coffer, Division of Biological Sciences*  
Let this booth introduce you to the technology that's transformed a time-consuming, expensive publications process into a streamlined, readily-accessible database easily output into print. The job of maintaining and updating data now can be shared among many, cutting down on repetitive tasks, reducing duplication of efforts, and resulting in a better publication.

#### 17. Using Free Software for Dynamic Web Design

*Jeremy Smith, Language and Literature*  
*Carol Beck, Sproul Social Sciences Administration*  
Ever wanted to create dynamic, sophisticated Web sites, but didn't think you could afford the software you needed? Stop by this booth to see how free software — with a little time and ingenuity — can be used to produce advanced Web design. By using free software to create, maintain, and update their many Web sites, UC Davis' Language and Literature units (comprising over 15 individual departments) have overcome what they call the single largest challenge to the university: funding.

#### 18. Career Interviews for UCD Students and Alumni: The New Online Bid System

*Joe Scuderi, Christine Dito, Internship and Career Center*  
Career Recruiting Programs, a branch of the Internship and Career Center, now offers online bidding. With this new system, students and alumni may 'bid' once per quarter

for career interviews with hundreds of employers. Results, including the date and time of interviews awarded and candidates' wait list positions, are available online. The 24-hour automated access and programmed CGI error checking greatly reduces staff labor and provides clients with enhanced convenience and service.

#### 19. Using Point-of-Sale Technology to Save Students Money

*Staff, ASUCD Book Exchange*  
Now students can check the Web to see which books are for sale and determine whether their books have been sold. The technology allows the Book Exchange to provide faster customer service and increase the accuracy of its records. Students and campus departments will be interested to see what low-budget point-of-sale systems and innovative Web design can do for them.

#### 20. Virtual Lectures Free Students to Think Critically

*Harry R. Matthews, Biological Chemistry*  
Delivering course content on the Web can help free "seat time" for discussions and improve the quality of education for students and faculty alike. Professor Harry Matthews will demonstrate how a course can be constructed through a hybrid Web/CD application and from a database of modules located anywhere on the Web. This approach (which is designed to be applicable to many courses) can integrate many facets of course delivery and administration in flexible ways.

#### 21. Teaching Biological Science Online

*Richard Falk, Plant Biology*  
Stop by this booth and discover how Professor Richard Falk enables his biological science students to take his course entirely via the Web! Dr. Falk will demonstrate the benefits of distance learning technologies that expand access to higher education.

#### 22. New Technologies in Veterinary Multimedia

*Dave Magliano, Rick Hayes, School of Veterinary Medicine*  
The Computer Assisted Learning Facility (CALF) in the School of Veterinary Medicine is developing courseware pertinent to the general public as well as to the veterinary student. The Virtual Heart and the new Virtual Lung, both created using Apple's Quicktime virtual reality technology, feature three-dimensional images of organs that can be rotated and viewed from nearly any angle. CALF is in the forefront of educational multimedia development. Stop by and learn how virtual reality or rapid Web-site development can be incorporated into courseware.

#### 23. Remote Technical Assistance: Enhanced Distance Learning through Interaction

*Dick Walters*  
Remote Technical Assistance (RTA) is a platform-independent software package that allows greater interaction between instructors and students through the use of multime-

dia, client-server architecture, and the Internet. RTA enables communication using text, screen snapshots, sound messages, attached files, and color-coded whiteboarding. Stop by to see how this form of distance education works to provide quality learning.

#### 24. Digital Video: From Production to Application

Paul Ver Wey, *Creative Communication Services*

This booth will feature an entire range of digital applications, from non-linear editing to video for the Web to DVD (digital video disk) technology. You'll see examples of instructional multimedia modules created for actual courses, and learn about recent advances in digital video technology that are finding their way into instructional and administrative presentations.

#### 25. Student Gateway

Bill Cooper, *Office of Student Affairs*

Preview UC Davis' Student Gateway, which will enable students to access personalized Web pages displaying course schedules and other important academic information. Faculty and administrators will also be able to add links to important and useful information, targeting groups of students by college, major, course, and/or other factors. This application may be the prototype for a virtual central administrative resource that would enable students to complete many academic clerical functions electronically.

#### 26. Tools for Technology

Staff, *Information Resources - Client Services*

Stop by this booth and discover newly-developed or new-to-campus hardware and software tools and how to access them. Featured will be the new self-paced computer-based training resource, *cbt at ucd*; an easy-to-setup, low-cost Web server; version 3 of Bovine Online (the UC Davis Internet tools kit); and the *dos* and *don'ts* of email "netiquette."

#### 27. UCD Bookstore Automation

Staff, *UCD Bookstore*

Automating many of its key functions has increased the UCD Bookstore's level of customer service. Find out how the Bookstore has met its technical challenges, helps the campus benefit from its solutions, and plans to meet future challenges in technology and customer service. See demonstrations of DaFIS information retrieval via Brio Query, electronic commerce applications (or online shopping), and systems administration.

#### 28. Using Brio to Simplify Database Queries

Mary Jo Anderson, *Planning and Budget Office*

Brio Query is a user-friendly software tool for finding and summarizing data in response to a database query. You can choose subsets of data by simply using a "point-and-click" approach. Standard queries and reports can be set up for end users who aren't familiar with a database to allow them to rerun the query, modifying it according to the information required. The Planning and Budget Office has

found that Brio offers flexibility and saves time, effort, and paper.

#### 29. Running Windows 95 on a Macintosh G3

Robert Ralston, *Computer and Printer Repair (CPR)*

Macintosh technology can provide both a Macintosh and a Windows 95 platform on one machine. Computer Printer Repair (CPR) staff will demonstrate that Macintosh is still a viable platform, and that users can get the best of both worlds by running Virtual PC on the Macintosh. Whether or not you're a Mac enthusiast, you'll be interested in seeing how Virtual PC works on a Macintosh G3, the fastest desktop computer made by Apple.

#### 30. Smart Maps

Ron Burt, Erin Magers, *Communications Resources*

Being able to access online floor plans for campus buildings has proved very useful for the *Network 21* program staff, and continues to be valuable to many other individuals on campus. Communications Resources' technician Ron Burt and Webmaster Erin Magers will be demonstrating the advantages of these Web-based floor plans.

#### 31. The Rewards of Moving Information and Forms to the Web

Jeanne Moje, Chris Redder, *Office of the Registrar*

Stop by this booth to find out how the Registrar's Office is using technology to improve access to the services it provides to faculty, staff, and students. A number of Web projects will be featured, including electronic grading rosters, a classroom configuration guide, and Student Information Web pages.

#### 32. Graduaté Admissions Online

Susan Morin, Ginger Simpson, Cathy Jurado, *Graduate Studies*

Graduate Studies and Information Resources are changing the way graduate admissions are being conducted at UC Davis. Stop by this booth to see how a graduate applicant fills out the graduate admissions application on the Web, and how the data is processed and appears on Banner.

#### 33. Banner Version 3.0

Steve Osterday, *Information Resources*

Students and staff access Banner for a wide variety of purposes, from receiving financial aid and admissions information to checking grades. Information Resources staff will demonstrate the new features of the upcoming Version 3.0 of Banner, including GUI (Graphical User Interface) tools and graphical displays of numeric data. Stop by to see why Banner is such a valuable tool in both its administrative and academic functions.

#### 34. The Year 2000 Problem: Building Awareness

Year 2000 Team

The Year 2000 Problem is all over the headlines, but how might it affect you? Here you'll find an actual computer with one or more Year

2000 problems, and technical staff to show you how the problems might be addressed. Learn how to check your computers for compliance, what resources are available (including the UC Davis Year 2000 Web site), and where else (fax machines, automobiles, cellular phones) to look for potential risks.

#### 35. Emerging Technology at UC Davis

Staff, *Center for Advanced Information Technology (CAIT)*

Learn about the technologies that are already having or will soon have an impact on the campus. Streaming multimedia, Java, and Java Bean applications are being used in the classroom, and videoconferencing, document management systems, and personal data agents are revolutionizing the day-to-day operations of companies and individuals. View and discuss these new technologies with CAIT staff.

#### 36. Utilizing Technology To Improve Productivity While Reducing Injury Potential

Janet Ford, *Employee Health Services/Environmental Health and Safety*

Jerry Westcott, *Environmental Health and Safety*

Using a computer requires performing repetitive tasks that can result in fatigue and injury. Here you can try products designed to increase comfort and productivity when using computers. There'll be a demonstration of input devices, such as mice and trackballs, with programmable features to reduce repetitive tasks, and key commands for commonly used programs.

#### 37. Plant Operations Online

Robert Whitaker, Edie Cartwright, Josh Catalfo, *Facilities Services*

Facilities - Plant Operations staff will demonstrate how to submit work orders and obtain account information online, acquire information on all Facilities operating units, and use the Campus Map Book, a complete map of the UC Davis campus that is indexed by building name and grid location.

#### 38. Computerized Engraving

Lawrence Fyfe, *UC Davis Engraver*

Come see what computerized engraving is all about, and how it has increased the quality of "signage" while reducing costs. You'll see scanned images converted to engraving, and learn about the various engraving techniques that are used to make signs on campus.

#### 39. University Outreach on the Web

Linette Young, Ines Rodriguez, *University Outreach*

The mission of the Office of University Outreach is to bring UC Davis and the community into closer collaboration. The University Outreach Web site provides access to campuswide programs that engage in community outreach, and to a searchable database of UC Davis experts in a wide range of fields. Stop by this booth to discover the great variety of UC Davis outreach efforts, and add

see Booths on page 6



## ODYSSEY PRESENTATIONS

### May 27 (continued)

How do lessons learned from one department project affect and inform the structure and goals of another? This roundtable presentation will address the similarities, distinctions, and cross-fertilization between two distance learning projects: the Rural Learning Network, envisioned as a "virtual faculty room" for student and rural teachers, and Learning on Demand, a project for student teachers in the UC Davis-CSU Sacramento Elementary Partnership Program. Both projects offer 24-hour access to educational electronic resources, enabling student teachers in remote and rural areas to create a network of colleagues and a forum for educational collaborations. The presenters will invite others involved in a continuum of related projects to share their experiences.

### May 28

#### The California Digital Library

John Ober, *Assistant Director, Education and Communications, California Digital Library*

10-11 a.m.

Envisioned more than a year ago by UC President Richard Atkinson as the "Cyberlibrary," the California Digital Library will be shared among the nine UC campuses and beyond. The mission is to provide a core of scholarly electronic resources to UC students and faculty. John Ober will discuss the vision and goals of the California Digital Library, and its impact on California higher education and distance education.

#### Distance Education and Your Future

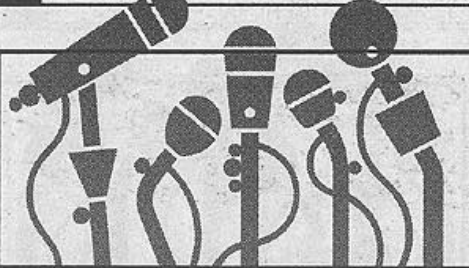
Panel: *Division of Education, ASUCD student representatives, JCCIT, Creative Communication Services*

Moderator: *Frank Samaniego, Director, Teaching Resources Center*

11:15 a.m. - 12:45 p.m.

This is a two-part presentation. In Part One (11:15 a.m. - 12:00 p.m.), Division of Education Professor Karen Watson-Gegeo and her teaching assistants will discuss how they overcame barriers of impersonality and the physical absence of the instructor in low-tech distance education in 6 classes over 3 years. In the process, authority and expertise were decentralized, allowing the development of a democratic community of learners and the formation of deep inter-

see May 28 Presentations on page 6



## ODYSSEY PRESENTATIONS

### May 28 (continued)

personal relationships among the instructor, teaching assistants, and students. In the second part (12-12:45 p.m.), representatives from the Joint Campus Committee on Information Technology, ASUCD, and Creative Communication Services Distance Education program will outline the various dimensions of distance education at the university, including its potential benefits and disadvantages. Panelists will focus some attention on the "virtual university" – creation of courses, ownership, intellectual property, and delivery.

#### From Fractals to Fashion

Bernt Wahl, Graduate School of Management

2:00 p.m. - 3:00 p.m.

In this multimedia presentation, Bernt Wahl, author of *Exploring Fractals*, will demonstrate software used to create fractals and present some fractal-inspired clothing designs. He will also show a video produced by the fashion industry about his unusual collaboration with such fashion designers as Todd Oldham and Jhane Barnes (whose clothing can be found at Nieman-Marcus, Sachs 5th Avenue, and Nordstrom's). This integration of mathematics and fashion design has been reported in *Wired*, *Esquire*, and *The New York Times*.

#### Remote Access

Panel: ASUCD student representatives, RAMP (Remote Access Management Program) team members and participants  
Moderator: Vicki Suter, RAMP Project Manager

3:30 p.m. - 5:00 p.m.

This two-part presentation focuses on issues related to accessing the campus network from off campus. Part One (3:30-4:15 p.m.) will begin with a briefing of a white paper that identifies and addresses remote access issues such as the UC Davis modem pool. The results of the RAMP project and the Think Tank recommendations for the campus will also be discussed. In Part Two (4:15-5:00 p.m.), faculty, students, and staff representing the pros and cons of university support for remote access will discuss campus user needs; the role or responsibility of the university in providing remote access to campus users; and how such services should be funded.

#### Booths

from page 5

your program to the site!

#### 40. Tower of Youth: Delivering Digital Video to Local Schools

Phuong Nguyen, Armando Arbizio, Information Resources

Tower of Youth, a non-profit organization, aims to introduce area high school students to the realm of digital art and media. Information Resources has volunteered time, resources, and expertise to help train these youth in multimedia applications. You'll see the fruits of their labor at this showcase of the winners of this year's Tower of Youth digital

All tutorials will be held on May 28, in Freeborn Hall, in the area between Booths #38 and #39 (See Floor Plan on page 2).

#### Providing Course Materials on the Web

Dr. Graham Gall, Animal Science

10:00-10:45 a.m.

This presentation is a simple illustration of what a faculty member can do with the Web with limited support from others. Gall will demonstrate the Web site he developed for two different types of courses, one a detailed genetics course, the other a more intuitive study of research and the ethics involved. He will share what he learned through his experience, explain how he designed and is maintaining the site, and discuss student reactions to this new teaching tool.

#### Basic Use of Information Technology for Instruction

Dr. Jeff de Ropp, NMR Facility

11:15 a.m. - 12:00 p.m.

Basic and relatively inexpensive instructional technology can be utilized in the classroom. De Ropp will discuss four of those tools: the Web (to disseminate information); email (to communicate with students); desktop publishing (to create structured, yet easy to modify class notes); and animation presentations (for difficult-to-visualize atomic processes).

#### You and Your Computer: Staying Healthy Together

Mark Sexton, IT Training

12:00 - 12:20 p.m.

As more people use computers over longer periods of time, the risks of stress and injury increase. This presentation will address the "little" things you can do every day to minimize the strain of working with a keyboard and monitor.

#### So You Want to Add Memory to Your Macintosh...

Robert Ralston, Computer & Printer Repair

12:20 - 12:40 p.m.

Interested in upgrading the memory on your Macintosh? This presentation is for you. You'll be provided with a checklist of issues, both non-technical and technical, that you'll want to address before and during the upgrade process.

reel competition. Come and be inspired!

#### 41. Remote Access

Remote Access Management Program (RAMP) Team and Participants

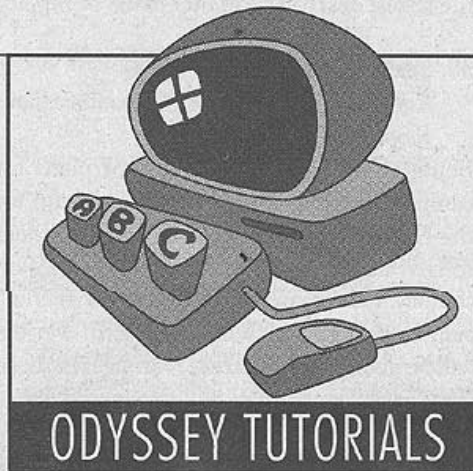
Remote access to the campus network remains a high priority for faculty, students, and staff. At this booth you'll learn more about the various pilots and projects to evaluate the benefits, costs, and feasibility of new remote access alternatives, and you'll have the opportunity to speak with faculty, staff, and students who have participated in them. Registration tutorials will be available for faculty and Technical Support Coordinators participating in

the current phase of the Remote Access Project.

#### 42. Distributed Computing and Network Security

Staff, Distributed Computing Analysis and Support (DCAS)

DCAS is responsible for a number of behind-the-scenes services that make possible the applications that are in daily use on campus. Stop by this booth to view a 3-D display of infrastructure services and find out what really happens when you run applications like DaFIS, Banner, or WIRES. There'll be an interactive network security demonstration and an opportunity to see what happens to the data you submit via a Web form.



## ODYSSEY TUTORIALS

#### Signing up for the Remote Access Project

Remote Access Management Program (RAMP) Team members

1:45-2:15 p.m.

This tutorial will walk faculty and Technology Support Coordinators (TSCs) through the process of signing up for the Remote Access Project, a service to determine the feasibility of faster modems for the purposes of teaching and research. Topics include how to obtain a new-style LoginID and how to re-configure communications software to dial into the alternate modem pool. The tutorial will conclude with a question and answer session.

#### A Web-based Digital Archive of the Oral Traditions of Sephardic Jews

Professor Samuel G. Armistead, Spanish and Classics; Dr. Bruce Rosenstock, Religious Studies

2:15-3:00 p.m.

This presentation will demonstrate a digital archive conceived as a multifaceted gateway to the complex cultural legacy preserved in the Judeo-Spanish oral tradition. The archive will provide an introduction to the Judeo-Spanish language, the ability to do sophisticated lexemic and typological searches, and the opportunity to cross-link resources with this archive. All three access tiers will be built around a common digital base consisting of transcriptions of the texts, and digital audio files of the 250 hours of tapes in the Armistead-Silverman archive.

#### Overview of Netscape Navigator

Greg Fellin, IT Training

3:00 - 3:30 p.m.

New to the Internet? This presentation will show you how fun and easy it is to access! Take this quick tour of the World Wide Web using Netscape Navigator, and your perception of "surfing" will be changed forever!

#### Photoshop Graphics for the Web

Len White, IT Training

3:30 - 4:00 p.m.

This introduction to Photoshop will show you how to transform your Web graphics with sophisticated effects, such as background tiling, 3-D shadowing, and animated graphics.

#### CBT Overview

Pete Peterson, IT Training

12:40 - 1:00 p.m.

Computer Based Training has arrived at UC Davis! With this tutorial, you'll embark on a self-paced, guided journey of technological discovery. This presentation sets you on your way: you'll learn how to access these new online resources, how to use them, and what they can offer you. Come find out about *cbt* at ucd's 300 interactive courses!

#### Twenty-one Countries, One Language: a Multimedia Introduction to the Diverse Cultures of the Spanish-Speaking World

Norma López-Burton, First Year Spanish Program

1:00-1:45 p.m.

During the past five years, the power and flexibility of the computer has helped drive the teaching of foreign language to greater sophistication and realism. At the same time, recent research has shown that language cannot be truly learned in a vacuum, but must be understood in a larger context: culture. López-Burton will discuss a project to construct 10-15 minute multimedia cultural in-class presentations. Students will be able to see and hear the diversity of the Spanish-speaking world. And the computer's flexibility will allow each instructor to explore the cultural expression of a specific subject — popular music, for example — across a spectrum of countries.



Submissions and comments are welcome; please send them by email to [itpubs@ucdavis.edu](mailto:itpubs@ucdavis.edu).

This month we feature a sampling of sites related to the booths at Odyssey '98. Following each description is the number of the booth at the May 28 showcase that the site is associated with.

For more information on all booths, including links to pertinent Web sites and *IT Times* articles, visit the Odyssey '98 Web site at <http://odyssey.ucdavis.edu>.

#### British Women Romantic Poets Project

<http://lib.ucdavis.edu/English/BWRP/>

Here is the home page for an electronic text initiative by the General Library and the English Department. A large collection of texts are available online, covering the years 1789-1832 and featuring authors largely unknown today. (Booth #2)

#### Chemical Management Online

<http://clueless.ucdavis.edu/cis/cis.cfm>

Environmental Health & Safety has recently initiated a Web-based system for tracking and managing departmental chemical use on campus. This site provides a video introduction to the program and an operations manual. (Booth #4)

#### Information Center for the Environment (ICE)

<http://ice.ucdavis.edu/>

ICE is a multidisciplinary collaboration involving environmental scientists at UC Davis and over 30 private, state, federal, and international organizations. A large range of projects undertaken under ICE auspices make extensive use of geographic information systems (GIS) data. (Booth #5)

#### QBIC in the Art and Art History Department

<http://libra.ucdavis.edu/qbic.html>

QBIC (Query By Image Content) is an innovative technology for managing image databases that allows users to perform searches based on a number of characteristics including color, texture, and brushstrokes. (Booth #7)

#### Learning Chinese Online

<http://philo.ucdavis.edu/CHINESE/online.htm>

Chinese is one of the most difficult languages for non-native speakers to learn, and this site offers some help. Links to audio resources provide invaluable help with pronunciation, and now you can view stroke-by-stroke animations showing how to write many of the main characters. (Booth #8)

#### The Arbor

<http://arbor.ucdavis.edu/>

The Arbor's mission is to assist faculty in the creative and intelligent use of instructional technology. This site features a list of technology topics with brief definitions and links to related resources, a calendar of events, glossary of terms, and descriptions of how the Arbor can help you use technology in teaching. (Booth #11)

#### Student Information Pages

<http://studentaffairs.ucdavis.edu/>

The Office of Student Affairs' site offers a plethora of useful information for current and prospective students. Whether you want to know more about the campus environment, academic programs, athletics, or campus resources, this site is a good starting point for students who wish to explore or get better acquainted with UC Davis. (Booth #25)

#### Office of the Registrar

<http://registrar.ucdavis.edu/>

The Office of the Registrar is increasingly providing its services online. In addition to general information such as the General Catalog online version, this site includes pages designed for students and faculty/staff. (Booth #31)

#### Graduate Admissions Online

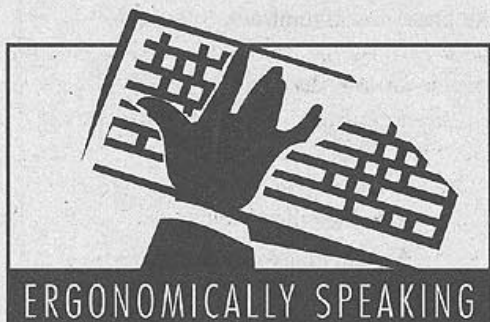
<http://pubweb.ucdavis.edu/documents/GradStudies/admit/admission.htm>

Prospective graduate students can now complete their application forms online. The data from the forms is processed directly into the Banner system, making this a major time-saving administrative application. (Booth #32)

#### Facilities Services

<http://www.pplant.ucdavis.edu/index.htm>

Facilities Services (formerly known as "Physical Plant") now has an online interface to streamline its customer service. Work requests, status of work orders, and billing procedures are all available here. (Booth #37)



BY JANET FORD, PT, MS

Computer use is inherently a repetitive task which can result in fatigue, discomfort, reduced productivity, and injury if the limits of the human body are exceeded. Odyssey '98 provides an opportunity to share practical, technological advances which can be successfully utilized to reduce the repetitive nature of computer work.

Please stop by the Environmental Health & Safety demonstration booth (Booth #36) to learn ways to reduce repetitive motion when using the computer. You will see examples of simple things you can implement immediately using your existing computer equipment and software. For example, learn

how to reduce the distance you move your mouse through right click mouse features and keyboard commands and how to reduce repetitive typing through use of macros. In addition, you can learn how programmable mice and trackballs can assist you in further reduction of repetition. Handouts will be available.

At Odyssey, we will be located next to the Center for Advanced Information Technology (CAIT) booth to showcase a new collaborative project between the CAIT, Central Storehouse, and Environmental Health & Safety. This project brings alternative input devices and other ergonomic products to the CAIT, providing a convenient location to try various products to assure the product fits your needs prior to purchase. At least two programmable mice will be available for trial at Odyssey, the Kensington Expert Mouse and the Contour Mouse. In addition, the CAIT will be demonstrating a voice activation system, another means to reduce repetitive motion at

the computer. After Odyssey, all of these products will be available for trial at the CAIT, in 165 Shields Library.

For a list of products currently available for trial, please refer to the CAIT's Web page (<http://cait.ucdavis.edu/hardware/ergonomic>). Included in the Web page is a general description of the product capability, recommended use, information on how to order each product through Central Storehouse, and an evaluation form to gather comments from current users and suggestions for other types of equipment you would like us to showcase.

#### Resources:

Environmental Health & Safety Ergonomics Web Page: <http://ehs.ucdavis.edu/ergback/>

Send questions about ergonomics to [ergonomics@ucdavis.edu](mailto:ergonomics@ucdavis.edu). All correspondence will be kept confidential.

## Acknowledgements

The Odyssey Team wishes to thank the following people and groups who gave unstintingly of their time and talents. Their support and contributions helped make Odyssey '98 a reality.

### Advisory Group

Wini Anderson (Staff)  
Perla Dinger (Staff)  
David Fahy (Faculty)  
Rick Falk (Faculty)  
Matt Malone (Student)  
Carolyn Nelson (Staff)  
Kevin Roddy (Faculty)  
Sandy Vella (Staff)

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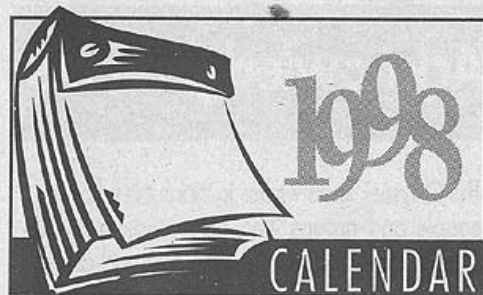
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Sandy Vella (Staff)  
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David K. Wong (Staff)

### Sponsors

- Academic Federation
- ASUCD
- General Library
- Graduate Student Association
- Joint Campus Committee on Information Technology
- Teaching Resources Center
- Division of Information Technology

### Volunteers

Special thanks to the 50+ individuals who volunteered their time, expertise, energy, and enthusiasm to Odyssey '98. For a complete list of volunteers, visit <http://odyssey.ucdavis.edu/>.



## May

- 20 ♦ **Fundamentals of Power Point:** 1:30 - 4:30 p.m., TB 134.
- **Term Paper Basics and Overview of Library and Web Resources:** 3:10 - 4:00 p.m., Microcomputer Room, 163 Shields Library.
- ♦ **Working in the Windows 95 Environment:** 8:00 a.m. - 12:00 p.m., TB 135.
- 21 ☆ **Fundamentals of Eudora:** 8:30 a.m. - 12:00 p.m., TB 134.

- **The Medline Database on the MELVYL Web System:** 2:10 - 3:30 p.m., Carlson Health Sciences Library.
- ❖ **Web Publishing: Working with Frames:** 1:30 - 4:30 p.m., TB 134.
- 26 **Odyssey '98 Presentations (See page 3)**
- ♦ **Designing an Access Database:** 8:30 - 11:30 a.m., TB 135. (Two-part course offered 5/26 & 5/27)
- ♦ **Designing a FileMaker Pro Database:** 1:30 - 4:30 p.m., TB 134. (Two-part course offered 5/26 & 5/27)
- **Get Started Searching the MELVYL System on the Web:** 3:10 - 4:00 p.m., Microcomputer Room, 163 Shields Library.
- 27 **Odyssey '98 Presentations (See page 4)**
- 28 **Odyssey '98 Presentations and Technology Showcase (See pages 3-6)**
- **Term Paper Basics and Overview of Library and Web Resources:** 3:10 - 4:00 p.m., Microcomputer Room, 163 Shields Library.

## June

- 1 ♦ **Working with Word Mail Merge:** 1:30 - 3:30 p.m., TB 134.
- 2 ♦ **Creating Layouts and Reports Using FileMaker Pro:** 1:30 - 4:30 p.m., TB 134.
- ❖ **Fundamentals of Web Publishing:** 8:30 - 11:30 a.m., TB 134. (Two-part course offered 6/2 & 6/4)
- 3 □ **Get Started Searching the Melvyl System on the Web:** 3:10 - 4:00 p.m., Microcomputer Room, 163 Shields Library.
- ❖ **Web Publishing: Converting and Repurposing Documents:** 1:30 - 4:30 p.m., TB 135.
- 4 ♦ **Creating Macros, Menus and Buttons in Access Databases:** 1:30 - 4:30 p.m., TB 135.
- 5 □ **The Medline Database on the Melvyl WEB System:** 9:30 - 10:50 a.m., Carlson Health Sciences Library.
- 8 ❖ **Web Publishing: Working with Tables:** 8:30 - 11:30 a.m., TB 134.

## Key to Classes & Seminars

- ❖ **Information Provider Series: Staff Development & Professional Services.** Faculty and student registration: [learmit@ucdavis.edu](mailto:learmit@ucdavis.edu) or 754-8091.
- **Library Instruction Programs:** [LibraryClass@ucdavis.edu](mailto:LibraryClass@ucdavis.edu) or 752-4381.
- ♦ **Staff Development & Professional Services (SD&PS):** Enroll online at <http://sdps.ucdavis.edu>. Call 752-1766 for an application or catalog.
- ☆ **Student/Faculty Series: Information Technology;** call 754-8091 or email [learmit@ucdavis.edu](mailto:learmit@ucdavis.edu).

## Perspective

from page 1

grams the campus offers. For example, our student-oriented presentation will make students aware that they can bid for career interviews online and even use the Web to learn when their interviews are scheduled." Hala Kurdi, an Odyssey volunteer, agreed. "As a student, I think a lot of the student body attending will benefit from seeing how the technology being presented has been implemented to better serve the student, faculty, and staff members around campus," Kurdi said.

### Voicing Student Opinions

One issue that tends to unite faculty, staff, and students is that of distance learning: the potential to take courses that are almost solely Web-based for degree credit, or use the Web extensively within courses themselves. Many presenters at Odyssey promise to make this issue a prominent one. Aiming to "show that technology can improve the quality of instruction," Professor Harry Matthews will present "Virtual Lectures Free Students to Think Critically," demonstrating an application designed to facilitate Web use in instruction. Yet distance learning is far from a decided issue. With that in mind, the Joint Campus Committee on Information Technology (JCCIT) is sponsoring a panel focusing on the issues, challenges, and problems related to distance learning, not the least of which is the issue of who precisely is going to pay for it. ASUCD will voice student opinions not only at this panel discussion, but also on a second panel focusing on issues of off-campus access to the UC Davis network.

Perhaps the greatest benefit of the Odyssey conference is the opportunity it provides for different campus units to inform themselves about the uses of information technology elsewhere on campus. "Odyssey is a great chance to see what other folks are doing and share ideas," said Dave Magliano of the Computer Assisted Learning Facility in the School of Veterinary Medicine. "It always amazes me how much can be going on down the hall or across the street without our knowing about it."

Faculty, staff, students, and administrators are all encouraged to join the Odyssey team in making these connections and exploring the technological future of university education.

*Matt Malone is an undergraduate student majoring in political science and English. He served on the Odyssey '98 Advisory Group, which identified the theme, "Technology at UC Davis: Issues, Challenges, Rewards," for this year's event.*

## Raffle and Door Prizes

Don't miss the opportunity to win prizes at Odyssey '98 on May 28!

All you need to do is enter the free raffle at the Technology Showcase in Freeborn Hall between 10 a.m. and 3 p.m. on May 28. Or you can collect and bring in all four Odyssey '98 table tent designs. Both will qualify you for a chance to win fun and useful prizes. (Table tents are placed weekly at the Coffee House and the Silo.) There will also be a number of door prizes and give-aways.

### Raffle prizes include:

- Software packages
  - Filemaker Pro 4.0
  - Digital Chisel
  - Claris Home Page
- Java jackets

### Door prizes include:

- T-shirts
- Hats
- Mousepads
- Coffee mugs
- And many more!

Two drawings will be held, one at 12:30 p.m. and the second at 3:15 p.m. It is important that the tickets include contact information. A complete list of winners will be posted on the Odyssey '98 Web site (<http://odyssey.ucdavis.edu>) in the first week of June.



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