

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

FEBRUARY 22, 1993
VOLUME 7, NUMBER 20

AT&T and University Connect on Voice Response Software

AT&T has reached an agreement with the university to evaluate the feasibility of offering businesses worldwide the university's CONNECT (TM) family of software applications which is based on AT&T's voice response technology.

Designed by a team of staff and students from the Department of Telecommunications Services, the software works with the AT&T CONVERSANT (R) Voice Information System.

The telecommunications team created several innovative applications including a security tool called FRED (TM) and an automated directory package called PAMELA (TM).

The FRaud Elimination Device

(FRED) software will be evaluated as a tool to help businesses curtail unauthorized long distance calling and the costs of toll fraud.

The People And Machine Electronic Locating Assistant (PAMELA) could boost productivity and improve service to customers by giving businesses quick access to off-site personnel, such as sales representatives, repair technicians and delivery persons.

Under the terms of the agreement, AT&T will assess the CONNECT software packages to determine if they would satisfy the need for easily-implemented voice processing applications in other business markets.

Currently, businesses must often

develop custom software to get even basic applications such as company directories or helplines to work with their communications networks.

"These packages were selected for study because they offer ways for business to improve security, streamline operations, and boost customer service—results every company is interested in," said Kathy Meier, AT&T voice processing market management director.

Some of the proposed applications were demonstrated at the ComNet trade show held in Washington, D.C., February 1 to 4. Plans for licensing and distribution will be determined pending the outcome of AT&T's study.

New Salmonella Test Developed by University and U.S. Researchers

People scared by the recent Jack-in-the-Box food poisonings may be heartened by a new salmonella testing procedure developed by Veterinary Medicine professor Edward Mallinson and Microbiology professor Sam Joseph, working in conjunction with researchers at the U.S. Department of Agriculture (USDA).

Two U.S. patents have been granted for a new system for environmen-

tal sampling of salmonella, and XLT4, a new plating medium used to detect salmonella.

With the coordination of Maryland's Office of Technology Liaison and USDA, the new advances have been licensed to companies in Michigan and Florida.

"This is an exciting advance for university-government relations for the transfer of technology," says Ann Whitehead, coordinator of the USDA's National Patent License Program.

The XLT4 medium is unique, because it selectively allows for the growth of salmonella, while inhibiting the growth of other bacteria which would normally mask the presence of salmonella.

The new medium, judged superior

to other media in hospital trials, seems well suited for food, environmental and clinical testing.

Detroit-based Difco Laboratories, one of the largest media manufacturers in the world, plans to market a form of XLT4.

The technologies were also licensed in 1991 to Future Medical Technologies International, Inc. (FMTI) of West Palm Beach, Florida. FMTI is using these advances to deliver more effective salmonella testing.

"Not only have we successfully patented two technologies," says Mary McCafferty, Technology Liaison's assistant director for Life Sciences. "We have licensed technologies which will improve the public's quality of life."

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New Voice Center Aids Speakers' Speech

Imagine walking into a 350-student lecture hall, confident that you don't need to use a microphone to reach the back row. Seem like just a far-fetched dream? Not so.

No matter how soft-spoken you think you are, the Department of Hearing and Speech Sciences' new voice center can help, says Gerald McCall, director of the program.

"Once we develop a manner of speaking, we operate on the premise

that that is our voice. The reality is that there is wonderful potential...this apparatus has much more capability than many of us realize," McCall said.

The voice and diction program, which meets on the lower level of Lefrak Hall, is geared toward the everyday speaker whose speech communication is problematic to him or her, rather than toward someone who has a genuine speech disorder.

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Nominations for Disability Issues Awards Sought

The President's Commission on Disability Issues is searching for members of the campus community who have worked to improve the quality of life for disabled persons at College Park. If you know of a student, faculty or staff member you would like to nominate, contact Mary Killmeyer at 314-8378 by March 8.

Experiential Learning: Balancing Theory and Practice

Last spring, Brad Taylor satisfied his curiosity about California and enrolled at California State University, Northridge in Los Angeles for a semester. But he did so while paying Maryland resident tuition through the university's National Student Exchange program.

Through the university's Cooperative Education Program, Taylor, who is interested in law, also received six hours of behavioral and social science credit while earning a GS-4 government salary at the Federal Highway Administration's legal council's office in Virginia last summer and the previous fall.

Currently, through an internship with the Center for Political Leadership and Participation on campus, he's researching newspapers for an upcoming book about Bill Clinton's presidential campaign, transition, and first term in office.

Not all students are as ambitious as Taylor, but many are discovering how experiential learning programs like student exchanges, cooperative education assignments and internships can complement their formal academic learning and provide an advantage when it's time to find a job.

"A lot of kids go to college without any kind of focus," says Taylor, a senior government and politics major. "I think experiential learning helps you decide what you want to do in college instead of just showing up. It sure helped me."

Administered through the Career Center in Hornbake Library, the university's experiential learning programs offer paid or unpaid work experiences with specific educational objectives that may be granted academic credit.

Despite its broad range of applications, some people may question the value of experiential learning at a research university.

"The value to me is that it integrates the theoretical with the practical," says Georgia Sorenson, Taylor's boss and director of the Center for Political Leadership and Participation. "I think it is very important for a balanced education."

The balance also seems to pay off. Sorenson says that 25 percent of all her seniors who intern off campus are offered jobs in the office where they work.

Linda Gast, director of the Career Center, says experiential learning also serves as a retention tool for stu-



Traci Martin and Erika McClammy

dents who don't see the connection between their major and their life after college.

"When experiential learning involves a faculty sponsor, it promotes greater faculty-student interaction, which helps retention," explains Gast. "Departments also benefit from increased communication between faculty and employers."

Perhaps the biggest attraction for experiential learning students is the increased prospects for employment.

"Increasingly, we are seeing employers hiring interns and co-op students as they decrease on-campus recruitment of graduates," says Traci Martin, associate director for experiential learning. "As a result, students who participate in these programs often have an advantage in the job market. Employers feel they can learn a lot more about someone in six months than they can in a half-hour interview."

While internships are generally shorter in duration (three to six months) and aren't always paid, Martin says cooperative education assignments last a minimum of six months and are always paid (on average, \$9 an hour).

Co-op assignments and internships are not automatically credit bearing. Students who have earned 56 credits can register for three to six hours of experiential learning credit per semester under a department's 386 course number and up to 12 credits during their undergraduate program, explains Martin.

Whether or not students receive academic credit, they must have their faculty sponsor and site supervisor sign a learning proposal which outlines specific educational objectives.

"We don't want them just answering phones," says Martin, who oversees about 70 co-op assignments and 250 internships per semester. "We really do want them to learn from the

experience."

Erika McClammy, a senior economics major, learned she wanted to go to law school after her internship with the National Safe Kids campaign at Children's Medical Center last summer.

"I attended debates on Capitol Hill, researched projects on lead poisoning, seat-belt laws, and bicycle helmets, and wrote letters to senators and representatives," says McClammy, a Banneker scholar from Baltimore. "It was a good experience and I gained a lot of personal contacts."

As a result of her experience, McClammy, who is a peer advisor in the Career

Center, interned with the student legal aid office on campus so she could polish her legal writing skills.

"Internships don't just pop up out of thin air," she says. "If you're serious in your search and take advantage of the Career Center resources, you'll find one."

—John Fritz

Correction

Last week's story on the new telecommunications master's degree should have indicated that the program will be implemented pending approval by the Maryland Higher Education Commission.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least two weeks before the Monday of publication. Send it to Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is jfritz@umdacc.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Registration for Mammography Screening is March 1

If you are 35 or older, it's time for a mammogram. Registration for mammography screening will be held on Monday, March 1, from 11 a.m. to 1:30 p.m. in 3100E Health Center. The screening dates are March 25 and 26 at Lot T off Stadium Drive. The cost is \$50, and is covered by the State Blue Cross/Blue Shield Preferred Provider Network. For more information please call 405-2438.

Rearick Plans Major Exhibit of Renaissance Painter Bassano



Jacopo Bassano, *Man of Sorrows*, 1553.

Below are Art History and Archeology professor William Rearick's comments on the painting, quoted from the catalog accompanying the Bassano exhibits:

"Jacopo emphasizes a distressing contrast between the rustic candor with which the ugly, suffering body is evoked, an abstracted realism...and the almost feminine delicacy of the shadowed face. The contradictory elements are unified by light, whose dual source is the phosphorescent aureola of supernatural origin and a sharply objective illumination of the figure; together they immerse the image in a transfiguring glow."

In 1989 Art History and Archeology professor William Rearick proposed a major exhibit devoted to Italian renaissance painter Jacopo Bassano.

Four years later, that concept has just become reality with two showings: one held last fall in Bassano, home of the 16th century Italian painter; and the other which opened this month at the Kimbell Museum in Ft. Worth, Texas.

In the time between the conception and fulfillment of Rearick's idea, he criss-crossed Europe and America in a quest to gather Bassano's works from the world's major art galleries.

He lived in Venice for two years to coordinate the Italian exhibit and wrote hundreds of pages of critical assessment of Bassano's life and art.

Simultaneously, Rearick helped plan another major exhibit, "Gorgione, Titian and the 16th Century in Venice," which opened this month in Paris. He wrote 65 catalog entries for the Paris event.

The two Bassano exhibits present the most complete collections of the artist's work ever assembled, with the Ft. Worth event being the first outside Italy devoted solely to Bassano.

The Kimbell Museum exhibit includes 54 paintings and 18 drawings, while the Italian one had 79 paintings and 17 drawings.

The Bassano exhibits include several paintings which, because they

are so fragile, have never travelled before.

In fact, a Copenhagen museum simply would not allow its most fragile works to travel.

Since Bassano's death in 1592, his reputation has "diminished slightly," says Rearick. "The exhibits should lead to a reevaluation of Bassano's work, to make him better known."

"In his own time, Jacopo Bassano was considered part of the great quartet" which also included Titian, Tintoretto and Veronese, Rearick says.

Bassano originated the "peasant genre," which Rearick describes as "painting in which country life, peasant life or rustic life is the main theme."

The Bassano exhibits were timed to coincide with the 400th anniversary of Bassano's death, since no one knows precisely when the artist was born.

The painter's life and work are detailed by Rearick in a 128-page chapter of the catalog accompanying the exhibits.

The chapter, which Rearick has been asked to turn into a book, tells of Bassano's rise from a helper in his father's craft shop to a painter renowned in Venice and beyond.

Through his career, however, the artist remained immersed in the country life of Bassano, located in the Venetian hinterland.

Rearick, who specializes in the Venetian renaissance, has been teaching at Maryland since 1969. He curated the celebrated Veronese exhibit at the National Gallery of Art in 1988.

—Solly Granatstein

Voice Center Practices Good Speech

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The group, which meets once a week, is comprised of vocal music, drama, broadcast journalism, business and management and education majors, as well as faculty.

The difference between how this program operates and how problematic speech was traditionally approached is the group therapy. In the past, communication skills were taught in a classroom setting. This was ineffective at changing habitual voice behavior, which is the root of the problem, McCall said.

The program now teaches participants what to practice, rather than lecturing on what they should be doing.

Participants first come to the clinic for individual voice evaluations. These

evaluations pinpoint the areas which need to be improved and the areas in which vocal function is strong. The evaluations are then used in planning the group sessions.

The group meets to discuss what vocal aspects it will work on for the week. Then members break up into smaller groups for the second meeting, in which they practice vocal exercises and establish a home program.

The program began last spring on an individual basis, which was the first time a clinical model of treatment was attempted. The success of the first participants verified it was worth pursuing.

This fall, the first group program began with eight participants, again successfully helping clients fix their vocal weaknesses.

McCall and his colleague Ellen

Brigham hope to have the program running next fall with a maximum 24 participants. McCall is proceeding cautiously, though, because he wants the program to be one which others can model.

In the future, McCall hopes to formally approach some of the groups the program could help the most. He envisions separate programs running concurrently for education, broadcast journalism, business and vocal music majors, drama students, and faculty.

But if you are still wondering if the program really helps you reach the back of that lecture hall, just ask Kathryn Bartol, professor in the College of Business and Management. "I have no problems setting my microphone aside and I can still reach the back of the hall."

—Heather Davis

CALENDAR

February 22–March 3

Calendar Guidelines

The *OUTLOOK* Calendar publishes university-sponsored events, subject to space availability. Preference is given to free, on-campus events. The deadline is two weeks before the Monday of the week in which the event occurs. Mail listings with date, time, title of event, speaker, sponsoring organization, location, fee (if any), and number to call for information to: Calendar Editor, 2101 Turner Lab, or fax to 314-9344. Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314- or 405- respectively. Events are free and open to the public unless noted by an asterisk (*). For more information, call 405-7339.

22 MONDAY

University College Arts Program Photography Exhibit: "Impressions - East and West," 8-8 daily, UMC Conference Center Gallery, through March 28. Call 985-7154 for info.

Art Gallery Exhibition: "Art/Nature/Society," selections from the permanent collection, through April 16. Call 5-2763 for info.

Black History Month Video: *Ain't Scared of Your Jails*, noon-1 p.m., 1138 Lee. Call 5-9005 for info.

Returning Students' Workshop: Notetaking Workshop, 2-3 p.m., 2201 Shoemaker. Call 4-7693 for info.

Computer Science Colloquium: "Transaction Logic Programming," Michael Kifer, SUNY Stony Brook, 4 p.m., 0111 Classroom Building (106). Call 5-2661 for info.

Horticulture Colloquium: "Opportunities for Cooperation in Plant Science Research," Darwin Murrell, USDA-ARS, 4 p.m., 0128 Holzapfel. Call 5-4374 for info.

Space Science Seminar: "Cosmic Ray Composition At and Above the Knee," Todor Stanev, U. of Delaware, 4:30 p.m., 1113 Computer and Space Sciences. Call 5-4855 for info.

American Heart Association CPR Class, for adult, child and infant skills, today and March 1, 6-9:30 p.m., Health Center, advance registration required, \$20. Other class pairs held Feb. 23 and March 2; Feb. 24 and March 3; Feb. 25 and March 4. Call 4-8132 for info.*

23 TUESDAY

Minority Health Fair, 10 a.m.-4 p.m., Tortuga Rooms A and B, Stamp Student Union. Call 4-7174 for info.

Ecology and Evolutionary Biology Seminar: "Foraging Ecology of Bats," Brock Fenton, York U., noon, 1208 Zoo/Psych. Call 5-6942 for info.

Black History Month Video: *No Easy Walk*, 1-2 p.m., 1138 Lee. Also showing on Feb. 24 at noon. Call 5-9005 for info.

Native American Student Union Lecture: "The Future of American Indian Students," David Archambault, American Indian College Fund, 4-6 p.m., Grand Ballroom Lounge, Stamp Student Union. Call 5-2842 for info.

Committee on History and Philosophy of Science Lecture: "Data in Cognitive Neuroscience," Avis Cohen, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Symphonic Wind Ensemble Concert, John Wakefield, conductor, 8 p.m., UMC Conference Center. Call 5-5548 for info.

24 WEDNESDAY

Study Abroad Fair, information on overseas work, study, and travel opportunities, 11 a.m.-2 p.m., Tortuga Room, Stamp Student Union. Call 4-7746 for info.

Counseling Center Research and Development Meeting: "The Career Attitudes and Strategies Inventory: A Diagnostic Inventory for Adults," John Holland, Johns Hopkins U., noon-1 p.m., 0106 Shoemaker. Call 4-7691 for info.

Overeaters Anonymous Meeting, 1-2 p.m., 3100E Health Center, weekly meeting open to campus community. Call 4-8142 for info.

UMIACS Seminar on Algorithms: "Fast Deflection Routing for Packets and Worms," Baruch Schieber, IBM, 2 p.m., 1112 A.V. Williams. Call 5-6761 for info.

Office of Multi-Ethnic Student Education Discussion: "Relationships Among People of African Descent and Other Ethnic/Racial Groups," student panelists, 3-5:30 p.m., Art/Soc Atrium. Call 5-5616 for info.

Astronomy Colloquium: "On the Origins of Milky Way Halo Glass," Laura Danly, STSci, 4 p.m., 1113 Computer and Space Sciences. Call 5-3001 for info.

Gallery Talk: "African Images: Views of a Culture," Christa Clarke and Letty Bonnell, 7:30 p.m., Art Gallery. Call 5-2763 for info.

25 THURSDAY

German Literature Conference: "German Women Writers-From Weimar to the Present: Facing Fascism and Confronting the Past," Feb. 25-27, UMC Conference Center. Call 5-4170 for info.

Returning Students' Workshop: "Multiple Roles," weekly discussion and support group to help women manage a variety of roles, 11 a.m.-noon, 2201 Shoemaker. Call 4-7693 for info.

Career Center Video: "Journey—A Video Review and Discussion," 2-4 p.m., 4205 Hornbake. Pre-registration at 3121 Hornbake. Call 4-7174 for info.

Center for Teaching Excellence CORE Faculty Workshop: "Examining Exams: Reconceptualizing, Improving, and Surviving Better Exams," 3:15-4:15 p.m., 1102 F.S. Key. Call 5-3154 for info.

Meteorology Seminar: "Review of Recent Developments of the Eta Model," Fedor Mesinger, NOAA, 3:30 p.m., 2114 Computer and Space Sciences. Call 5-5392 for info.

Committee on History and Philosophy of Science Lecture: "The Epistemology of Simulation Modeling," Frederick Suppe, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Reliability Seminar: "Accelerated Testing for Small Sample Sizes," Thomas Mazzuchi, George Washington U., 5:15-6:15 p.m., 2110 Chemical and Nuclear Engineering. Call 5-3887 for info.

Dance Department Performing Art in Ghana Program, with introduction by Joan Frosch-Schroder, 6-7 p.m., Dorothy Madden Studio/Theatre. Call 5-3185 for info.

Committee on Africa and Africa in the Americas Film: *Miss Amy and Miss May*, 7:30 p.m., Multipurpose Room, St. Mary's Language House. Call 5-2118 for info.

University Theatre: *Hamlet*, at Tawes Theatre, Feb. 25-27 and March 4-6 at 8 p.m., March 6 with sign interpretation, Feb. 28 at 2 p.m. with audio description, school matinee March 2 at 9:45 a.m. Tickets are \$10 standard admission, \$7 students and seniors. Call 5-2201 for tickets and info.*

26 FRIDAY

Geology Seminar: "Origin of Continental Flood Basalts," Richard Carlson, Washington U., 11 a.m., 0103 Hornbake. Call 5-4089 for info.

Speech Communication Colloquium: "The Legacy of the Tuskegee Syphilis Studies and the Ethics of Social Science Research," Stephen Thomas, noon, 0104 Skinner. Call 5-6524 for info.

Published Women Luncheon: "Human Rights and Child Rearing: Child Hating and Child Loving Policy in Two Nations: Japan and the United States," Barbara Finkelstein, noon-1 p.m., Carriage House, Rossborough Inn., \$7 admission, call 4-8013 for info and reservations.*

First National Bank of Maryland Research Colloquium in Finance: "International Transmission of Stock Prices: The Case of Multiple-Listed Stocks," Hoyoon Jang, 1-2:30 p.m., 1203 MPA Bldg. Call 5-2256 for info.

Mental Health Lunch 'N' Learn Seminar: "The Dynamics of White Racial Identity Groups," Ann Regan and Jill Scarpellini, 1-2 p.m., 3100E Health Center. Call 4-8106 for info.

History Lecture: "Race, Superstition and History," Barbara Jeanne Fields, Columbia U., 2 p.m., 1117 Key. Call 5-4274 for info.

University Theatre: *Hamlet*, 8 p.m. See Feb. 25 for details.*

27 SATURDAY

Men's Basketball vs. Clemson University, noon, Cole Field House. Call 4-7070 for info.*

Maryland Historical Society Reading: "Free at Last!" a dramatic reading documenting African American history by members of Rep. Inc., introduction and book signing by author Ira Berlin, featuring remarks by Baltimore Mayor Kurt Schmoke and Fred Wilson, 6:30-9 p.m., Maryland Historical Society, Baltimore. Call (410) 685-3750 for info.

Women's Basketball vs. Wake Forest University, 7:30 p.m., Cole Field House. Tickets are \$6 for adults, \$3 for youth and seniors. Call 4-7070 for info.*

University Theatre: *Hamlet*, 8 p.m. See Feb. 25 for details.*

Exercise Volunteers Needed

The University of Maryland School of Medicine is looking for healthy, sedentary, post-menopausal women to participate in a study examining the effects of exercise on body fat, metabolism, bone and overall health. Volunteers will receive free medical and fitness evaluations, nutritional counseling and a supervised training program. For more information call 405-2457.



The Ying Quartet will perform works by Haydn, Debussy and Christopher Rouse on February 27.

Concert Society of Maryland, Ying Quartet performs, 8 p.m., UMC Conference Center Auditorium. Tickets are available at the Stamp Student Union Ticket Office for \$15 standard admission, \$13.50 faculty and staff, \$12.50 seniors and \$7 students. Call 4-TKTS for tickets; 403-4240 for info.*

28 SUNDAY

Dance Discussion/Performance, The Volta Ensemble, music and dance from Ghana, 4-5:30 p.m., Dorothy Madden Studio/Theatre. Call 5-3185 for info.

University Theatre: *Hamlet*, 8 p.m., with audio description. See Feb. 25 for details.*

1 MONDAY

Returning Students' Workshop: "Time Management," today and Mar. 8, 2-3 p.m., 2201 Shoemaker. Call 4-7693 for info.

Contemporary Spanish Cinema: *Si Te Dices Que Cal*, (Vicente Aranda, 1990), 4 p.m., St. Mary's Language House. Call 5-6441 for info.

Entomology Colloquium: "Comparative Population Dynamics of Hemlock Woolly Adelgid in Native and Introduced Habitats," Mark McClure, Connecticut Agricultural Exp. Sta., 4 p.m., 0200 Symons. Call 5-3911 for info.

Computer Science Colloquium: "The Stanford DASH Multiprocessor: Hardware and Software Approach," Anoop Gupta, Stanford, 4 p.m., 0111 Classroom Building (106). Call 5-2661 for info.

Horticulture Colloquium: "Creative Professional Practice: Computers and Landscape Architecture," Michael Deeter, U. of Arizona, 4 p.m., 0128 Holzapfel. Call 5-4374 for info.

Campus Recreation Services: Intramural Swim Meet registration, 5-8 p.m., Cole Pool. Call 4-7218 for info.

2 TUESDAY

University Theatre: *Hamlet*, at Tawes Theatre, school matinee at 9:45 a.m. See Feb. 25 for details.*

Committee on History and Philosophy of Science Lecture: "Data in the Good Old Days—Representation and Use of Data in Early Genetics," Lindley Darden, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Open Music Rehearsal, Guarneri String Quartet, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

The Committee on Africa and Africa in the Americas 1993 Harriet Tubman Lecture: "Lawrence Kasdan's *Grand Canyon*: A Narrative of Our Time," Hazel Carby, Yale, 7:30 p.m., 2203 Art/Soc. Call 5-2118 for info.

Maryland Historic Preservation Lecture: "Historic Preservation in Maryland and/or The Politics of Preservation," Rodney Little, Maryland Division of Historical and Cultural Programs, 7:30 p.m., Architecture Auditorium. Call 5-1354 for info.

3 WEDNESDAY

The Committee on Africa and Africa in the Americas Graduate/Faculty Seminar Hazel Carby, Yale, 11 a.m.-1:30 p.m., Maryland Room, Marie Mount. Call 5-2118 for info.

Renaissance Reckonings: "The Countervailing of Love: Politics, Benevolence and Elizabeth I's 'Golden Speech,' 1601," David Harris Sacks, Reed College, 3:30 p.m., 1120 South Campus Surge. Call 5-3809 for info.

Jewish Studies Lecture: "The Dead Sea Scrolls and Ancient Jewish Literature," Michael E. Stone, Hebrew University, Jerusalem, 4 p.m., 1117 F.S. Key. Call 5-4304 for info.

