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The camera of senior graphic design major, Jennifer Dalton of Somerset, captures Spring's jewels on campus.
Council Chair says job offers 'perspective'

"Chairing WKU's Staff Advisory Council offered me a well-rounded perspective, from academic to building and facility management," said former Council Chair Jim Schaeffer, who led the Council in its first year of operation.

"Serving on this council was a learning experience for each member," Schaeffer said. "Not only were staff members made aware of departments other than their own, but they were also made aware of the process of implementation university-wide versus department-wide... An additional benefit of serving as a part of the council was a working knowledge of how Western XXI would impact each department and the university as a whole," he said.

The charter staff advisory council in its first year recommended and witnessed implementation of projects as a professional development program for supervisors, the adding of certain conveniences for employees such as the addition of a postage stamp machine in Wetherby Administration Building and the elimination of unsightly trash pickup areas on campus.

The council also saw to it that personnel manuals be made more readily available to employees, by placing them at the main desk of Helm Library, Facilities Management, Public Safety and the Garrett Center, at the post offices in Downing University Center and Wetherby Administration Building. The Council also reviewed and discussed the personnel evaluation techniques employed by the Facilities Management Department, reviewed the University's personnel grievance procedure, researched the use of the Student Health Service by staff, discussed University staff evaluation procedures, reviewed Preston Center fees for staff, discussed the staff salary plan, discussed the budget reduction plan, and recommended action to the University Benefits Committee, particularly where it concerns health insurance cost.

The Council forwards a newsletter to all University staff following each meeting. Meeting agenda items are made available to each Council member one week prior to each meeting. In addition to meeting regularly with President Meredith, the Council works closely with Dr. James C. Heck, executive assistant to the President.

CALL FOR NOMINATIONS

Faculty Library Award 1992

FIFTH ANNUAL AWARD

This award is presented each year to a WKU faculty member who has contributed consistently and notably to the use and development of the WKU Libraries.

The recipient will be recognized and presented with a commemorative plaque at the annual Western Authors Reception.

TUESDAY, APRIL 20, 1993
2 - 4 P.M.
SPECIAL PROGRAM AT 3 P.M.

Any member of the WKU community may submit nominations.

Send a letter of nomination to:

Dr. Michael Binder, Dean of Libraries, Helm 101

Criteria include traditional and innovative use of the University Libraries for instruction and/or personal research, as well as evidence of concern for the continuing development of library, museum and archival services and collections.

Deadline for nominations:

Friday, April 2, 1993
THE REVENGE OF THE GENTEEEL SQUAW
Decoding Cultural Resistance
A lecture by Jo Radner - American University, Washington D.C.
Kentucky Building, Lecture Hall
Western Kentucky University
April 1, 7:30 p.m.

Sponsored by
Programs in Folk Studies,
Department of Modern Languages and Intercultural Studies, and Women's Studies Program

People who live close to those who dominate them—women in many cultures, ethnic and racial minority populations, members of lower social castes or classes, and others—often encode in their words and deeds resistance that they dare not express openly and that they sometimes do not acknowledge even to themselves. How—and by what right—do we decode this resistance in order to make audible the fuller resonance of the people's lives, without imposing our interpretations disrespectfully or arbitrarily?

Jo Radner will examine this question and review several of the most commonly found coding strategies in a talk focused on the case of Molly Ockett (c. 1740—1816), an Abenaki Indian woman who lived among the white settlers of northern New England. These same settlers dealt violently with the Abenaki and also with Molly Ockett's own family—but their legends show strong appreciation and admiration of the 'genteel squaw.' Through the romantic veneer of these stories we can read Molly Ockett's strategic resistance to the Anglo-Americans who had taken over her world.
'Neutron pulses' wage war on drugs, terror

By Bob Skipper
Coordinator of News Services

In a small room in the basement of the Thompson Complex, Dr. George Vourvopoulos goes to a man-made cave constructed of concrete blocks. The entrance is shielded by blocks piled on a trailer resembling a miniature railroad flatcar.

Dr. Vourvopoulos first began using neutrons to analyze coal samples in Western's Center for Coal Science. He found that the neutrons could help him find the amount of sulfur and moisture in a coal sample, as well as how much energy the coal would provide when used in a power plant. When he mentioned his work to colleagues attending a conference on applications of nuclear techniques, it sparked what has turned into a three-year collaboration that could revolutionize the wars against drugs and terrorism.

Dr. Vourvopoulos is working with researchers at Oak Ridge National Laboratory in developing a non-destructive way of looking into containers. What they have found has applications ranging from checking baggage for bombs to finding smuggled drugs in large shipping containers.

The research has attracted interest from a wide range of groups, including the White House's drug task force, the American Chemical Society and a host of companies.

"The reason that we're using neutrons to do that is that they are very penetrating," Dr. Vourvopoulos said. Steel, lead and other materials create physical barriers for other detection methods, such as x-rays and gamma rays, he said.

Elements the scientists look for with the neutrons include hydrogen, carbon, nitrogen, chlorine, sulfur, iron, silicon and phosphorous, elements present in explosives and drugs, among other things. Dr. Vourvopoulos and his students are working on a project with Oak Ridge National Laboratory to use neutrons to detect hidden explosives and illegal drugs. - Photo by Robin White

Continued next page
Computer graphics help 'visualize' math

"They're not substitutes for teaching; rather, they can enhance experiences in math for students," says Dr. Barry Brunson, about the math department's new Macintosh IIIs' in the department's new computer laboratory.

Dr. Brunson, associate professor of mathematics, and Dr. Klaus Ernst, assistant professor of mathematics, are seeking the fruits of a National Science Foundation grant that has made it possible for WKU to convert a classroom in Room 373 of the Thompson Complex, Central Wing, into a lab where undergraduate students can make modifications in algebra, calculus and trigonometry.

The use of computers in math can help students with their problem-solving techniques, which involve more than simply adding and subtracting numbers.

"Students can visualize an experience—students can have a lesson, read it, do the examples the lesson offers, and make changes in their examples, if they wish," Brunson says.

The lab is set up to help algebra, trigonometry and calculus students, and Brunson says next year the lab will be using one of the nation's first electronic textbooks—math on disks.

"Students will in essence be modifying their own textbooks," Brunson says.

At present, the lab is using a software program called Mathomatic, "a gigantic program that enables students to ask the question, 'what if?'" Brunson explains.

"It's overwhelming to see an almost instantaneous answer with graphics," he says, adding the computers can do symbolic as well as numerical algebra and calculus.

WKU received $69,567 from the NSF for Calculus, Algebra and Mathematics: A Laboratory Approach.

Neutron research can save lives

Continued from page four

tell between the two.

The research has attracted interest from a wide range of groups, including the White House's drug task force, the American Chemical Society and a host of companies interested in developing the neutron generator needed to make the system work, Dr. Vourvopoulos said.

"The problem that we have at the moment is that in most cases the actual sources of neutrons that we need in order to do the experiments are not off-the-shelf items so we can't call manufacturers up and say we want to buy something," he said. "I believe that within a year we will have a prototype (neutron generator)."

One French company has a generator that can be used as a starting point and there have been discussions about the company making it available for the research, Dr. Vourvopoulos said. If that happens, the first generator would be housed at Oak Ridge and a second could be housed in the nuclear physics lab at Western.

This type of research is not cheap. Dr. Vourvopoulos estimated that $400,000 has been spent over the last three years for his part of the project. The bill has been paid by Oak Ridge and through grants Western has received, but no state funds have been involved, he said.

The project may get a financial boost from the U.S. Department of Energy, which has requested proposals from 12 states for a program for energy research. Of the 12, four will be funded, he said.

Kentucky received 45 proposals for its package, of which six were chosen to make up the state's $6 million five-year proposal. The neutron research was one of the six, Dr. Vourvopoulos said.

While not being able to provide direct financial assistance, "Western as a whole has treated me very well and has been most supportive," he said.

Dr. Vourvopoulos has also involved two of his students in his research: Elaine Grannan, a senior physics and mathematics major from Tulsa, Okla., and Scott Cassidy, a senior physics major from Alvaton. He said involving students in his research is important to him, adding that both students are planning to attend graduate school.

Learning to enjoy the simple gifts

As part of Health Enrichment Week activities, the WKU Wellness Program will offer a lecture on the environment.

Dr. Albert J. Fritsch, director of Appalachian Science in the Public Interest, will present Environmental Spirituality and The Simple Life from 3 to 4:30 p.m. in the J.T. Sandefur Auditorium of Tate Page Hall Wednesday, April 14. The workshop is free.

Dr. Fritsch has worked for more than 20 years in environmental education and policy-making, and this workshop "will explore the relationships between affluence, consumption patterns and environmental destruction," says Nancy Givens, Wellness Program Director.

Givens says the workshop will also give tips on ways people may improve the "collective guardianship of the Earth."

Fritsch holds a Ph.D. degree in chemistry and has numerous books on the environment published since 1972, including A Theology of the Earth, 99 Ways to a Simple Lifestyle, Household Pollutants Guide, Environmental Ethics, Green Space, Renew the Face of the Earth and Earth Healing.

Students will participate in a workshop Thursday, April 15 from noon until 1 p.m. in Grise Hall Auditorium. Panelists will include Dr. John Russell, coordinator of engineering science and a member of the Environmental Curriculum Committee; Gary Dillard, divisional manager for Monarch Environmental Inc. of Bowling Green; Givens and Elizabeth Fauser from United Student Activists.

Health Enrichment Week is held annually "to explore contemporary issues relating to health and healing," says Givens.

This Year's Theme is Turning a New Leaf: You and Your Environment.
Note: About You is devoted to listing professional achievements (papers presented, awards, appointments, or other special recognition) of WKU faculty and staff. Send items addressed to: About You, On Campus, Office of University Relations.

Arts, Humanities and Social Sciences

MUSIC
Michael Kalstrew's composition, Rain Gardens, was performed by the Dalewood Chamber Players at a Society of Composers conference held at the University of Wisconsin-Oshkosh March 4-6. He also sang excerpts from his opera Health, Wisconsin-Oshkosh March 4-6. He was elected president of the southeastern district of the American Alliance for Music, Physical Education, Recreation and Dance.

Science, Technology and Health

GEOGRAPHY AND GEOLOGY

Mary Barr Humphreys and Wanda Weidemann presented a workshop on Active Learning in Mathematics: A Crucial Experience for Preservice Elementary Teachers March 12 at the regional meeting of the National Council of Teachers of Mathematics in Columbus, Ga.

Dr. Charles Kupchella, Dean, spoke on Risk Assessment for Health professionals for the Bowling Green Oncology Nursing Society, and he spoke to retired military officers on Risky Business: Nuclear Power and Crossing-the-Street, in Perspective, both in February.

SERVICE ONE CREDIT UNION
Valerie C. Brown, CEO of Service One Credit Union, Bowling Green, was elected president of the Education Credit Union Council Inc. at its 20th annual conference in San Antonio in February.

Student Affairs

STUDENT SUPPORT SERVICES
Ken Dyrsen and Michael Johnson presented The Americans With Disabilities Act and Higher Education at the annual meeting of the Southeastern Association of Educational Opportunity Program Personnel in Atlanta, Ga.

SINCE YOU ASKED...

Q. Last spring, when the University made budget cuts for 1992-93, it was announced all administrators would be teaching at least one class. How many are?

A. By Robert V. Haynes
Vice President for Academic Affairs

Administrators who hold faculty status in an academic department are expected to teach during the academic year. Except for a handful who were exempted this year because of pressing responsibilities, administrators are now teaching or have taught at least one class.

Send your question of general interest to "Since You Asked," On Campus, Office of University Relations. We'll try to find you an expert to answer your inquiry. As you have requested, we'll respect anonymity.

Extramural Funding

Alice Mikovch, Teacher Education, $3,750 from the Kentucky Department of Education for Continuing the Kentucky K-4 Mathematics Specialist. WKU is one of eight state universities which will participate in expanding the Kentucky K-4 mathematics specialists program, and Mikovch will serve on the steering committee.

Dr. Robert Otto, Teacher Education, $6,500 from the Kentucky Council for Economic Education, continuation funds for economic education workshops.

University Press

Jerry Crouch, editor-in-chief, University Press of Kentucky, will meet with WKU faculty Thursday, April 8 to discuss possible submissions to the University Press. To schedule an appointment, call the Potter College Dean's Office, 2345.
COMING UP

March

31

FFA Conference, Downing Center Theater, 9 a.m.

Hotel, Restaurant and Tourism Management Career Day and Textiles and Apparel Merchandising Career Day. Academic Complex, Room 213. 5:30 p.m. Carl Hall, 4352.

Home Economics and Family Living Career Open House. 302E. 12:30-3:30 p.m. Also tomorrow. 4352.

"Breaking Up is Hard to Do," Apple Health Promotion Program, Student Health Service. Academic Complex 229. 8 p.m. 6438.

April

1

HEFL Career Open House. 12:30-3:30 p.m. 4352.

"The Revenge of the Genteel Squaw," lecture, Kentucky Museum Lecture Hall, 7:30 p.m. Erica Brady, 5902. See page 3.


2

Christian Faculty/Staff Fellowship luncheon/lecture. "Occult & Ritualistic Crime, Part II" presentation by Detective Pat Thomas, Garrett Executive Room, 11:45 a.m. Dr. Joyce Rasdall, 4099.

Campus Ministry International Youth Rally, Van Meter Auditorium, 7 p.m. Scott Taylor, 2459.

Boys Jr. Pro Basketball Tournament, Diddle, 4:30 p.m. Through April 4. 4298.

3

Hilltopper Baseball vs. Arkans-Little Rock, Denes Field, noon.

Black Student Alliance Step Show, 7 p.m. Van Meter Auditorium. Scott Taylor, 2459.

Linda Katherine Bell Graduate Voice Recital, FAC Recital Hall, 3 p.m. 3751.

Hilltopper Baseball vs. Arkansas-Little Rock, Denes Field, 1 p.m.

Dr. Charles W. Smith Flute Recital, FAC Recital Hall, 3 p.m. 3751.

Greek Week Spring Sing, Part I, Van Meter Auditorium, 7 p.m. Continues through tomorrow. Charlie Pride, 2459.

Greek Blood Drive, West Hall Cellar, 8 a.m.

Greek Week Spring Sing, Part II, Van Meter Auditorium, 7 p.m.


Percussion Ensemble, FAC Recital Hall, 8 p.m. 3751.

Faculty Workshop. Gender Issues in Higher Education. Hosted by the Center for Teaching and Learning. 3 p.m. Grise Hall 435. Presenters: Dr. Linda Brown, Department of Agriculture; Dr. Lou-Ann Crouther, Department of English and Dr. Rhetta Poe, Department of Psychology. Moderated by Patty Randolph, Department of Psychology. Topics to be discussed: feminine pedagogy and being female in a male-dominated discipline. A question and answer period will follow and audience participation is encouraged. Call Jan Phillips, 6131.

Greek Blood Drive, West Hall Cellar, 8 a.m. Charlie Pride. 2459.

FHA Spring Leadership Meeting, Downing University Center, 8 a.m.

Hilltopper Baseball vs. EKU, Denes Field, 3 p.m.

"Mr. Saturday Night" movie, Downing University Center Theatre, 7 & 9 p.m.

"Burn This." FAC Russell Miller Theatre, 8 p.m. Tickets, $5 for adults; $3 for students and senior citizens. Through April 11. Dept. of Theatre and Dance, 5845.

Sigma Kappa Greek God & Goddess Program, Garrett Conference Center Ballroom, 7 p.m. Jenna Bond, 6734.

Joe Brooks, Clarinet, & Donald Speer, Piano, Recital, FAC Recital Hall, 8 p.m. 3751.

Greek Blood Drive, West Hall Cellar, 8 a.m. 2459.

Hilltopper Baseball vs. Tennessee-Martin, Denes Field, 3 p.m.

"Mr. Saturday Night" 7 & 9 p.m.

"Burn This." FAC Russell Miller Theatre, 8 p.m.

Hilltopper Baseball vs. Jacksonville, Denes Field, 1 p.m.

"Mr. Saturday Night" 7 & 9 p.m.

"Burn This." FAC Recital Hall, 8 p.m.

Hilltopper Baseball vs. Jacksonville, Denes Field, 1 p.m.

"Burn This." FAC Recital Hall, 8 p.m.


Sharon Harris Mezzo-Soprano Recital, FAC Recital Hall, 8 p.m. 3751.

Adairville Middle School Day.

Junior Achievement Computer Tournament. Grise Hall. 9:30 a.m. 2497.

"Hoffa", 7 & 9 p.m.

Ars Femina Recital and Lecture,
Send to Sheila Eison, Editor, Office of University Relations