9-14-2001

Washington University Record, September 14, 2001

Follow this and additional works at: http://digitalcommons.wustl.edu/record

Recommended Citation


This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact engeszer@wustl.edu.
PET proves best for revealing spread of cervical cancer

By Darrell E. Ward

Physicians at the School of Medicine and the Alvin L. Siteman Cancer Center at the medical school and Barnes-Jewish Hospital have found evidence that positron emission tomography (PET) is more accurate than the current standard, computed tomography (CT), in determining whether cervical cancer has spread to other areas of the body.

Their results were published in the Sept. 1 issue of the Journal of Clinical Oncology.

"Our study shows that PET is the most accurate imaging method presently available for identifying secondary tumors in patients with cervical cancer," said Perry Grigsby, M.D., professor of radiation oncology at the medical school's Mallinckrodt Institute of Radiology and first author of the study.

Knowing whether a tumor has spread to the lymph nodes is essential for determining the most appropriate treatment for a patient. Tumors confined to the wall of the uterus are treated by surgically removing the uterus and the woman has a 90 percent chance of being disease-free five years later. Once the tumor has spread, however, radiation therapy without surgery is administered and the odds of survival drop to 40 percent.

At present, physicians use CT to assess the extent of cervical cancer. But CT scans are only moderately accurate. They often suggest that PET has not spread to lymph nodes when in fact it has.

Grigsby, along with colleagues Barry A. Siegel, M.D., and Farrokh Dehdashti, M.D., of the Division of Nuclear Medicine, compared CT scans with PET scans in 101 women with cervical tumors detected during a physical examination. They took images of the cervical tumor itself (the primary tumor) and of lymph nodes in three areas of the body: the pelvis, the abdomen around the aorta (para-aortic lymph nodes) and the base of the neck above the collar bone (supraclavicular lymph nodes). These areas follow the path taken by cervical cancer as it advances.

PET scans confirmed the presence of a cervical tumor in 100 of the 101 women, while CT scans identified only 77. In the lymph nodes, PET revealed abnormal pelvic nodes in 67 of the women, while CT found 26. PET revealed abnormal abdominal nodes in 21 women, whereas CT saw none.

University.

The award consists of $5,000, a certificate and a $40,000 unrestricted research grant to be assigned to the recipient to any university or nonprofit institution. Woolley is required to deliver a lecture at the annual Arthur C. Cope Symposium to be held as part of the ACS national meeting in August 2003 in Boston.

See Award, Page 5
U.S. News and World Report

Undergraduate programs tied for 14th in latest national rankings

Washingto, D.C. — Washington University in St. Louis is ranked 14th among the nation's 20 best national universities, according to the 2002 edition of U.S. News and World Report magazine.

Washington University clinched its spot from last year's tie for 14th in the best undergraduate ranking of the U.S. News since the publication began its rankings in the 1980s. The U.S. News undergraduate rankings are derived from a number of criteria and assigned a weight reflecting the magazine's judgment about which measures of quality matter most. This year's results, published in the U.S. News issue dated Sept. 17, rank the universities in fifth place in financial resources, 12th in faculty resources and 12th in alumni giving. The University tied for 14th in percentage (71 percent) of classes with less than 20 students.

The U.S. News "Best Value" category ranks schools that offer a good quality of education at an affordable cost, including financial aid. The University tied for 16th with Duke University and Case Western Reserve University. Last year, the University was tied for 17th.

The Oliver School of Business again once tied for 16th with seven well-known business schools.

"Our success is due to the excellent students, faculty and staff who bring great value to the educational environment here... Continued program development and support will enhance our impact and value to society," said Mark S. Wrighton, dean of the School of Arts & Sciences.

Faculty Achievement Awards Ceremony Wednesday

The University community is invited to attend the third annual Faculty Achievement Awards Ceremony at 4:30 p.m. Wednesday at the Eric P. Newman Education Center, 320 S. Euclid Ave.

This year's honorees are Richard A. Metcalf, M.D., Ph.D., winner of the Carl and Gerty Cori Award for Faculty Achievement; and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin to discuss reproductive health issues

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.

Chairman Arthur Holly Compton Award for Faculty Achievement, and Raymond E. Arvidson, Ph.D., winner of the Arthur Holly Compton Award for Faculty Achievement. Waterston, the James S. McDonnell Professor and head of the Department of Genetics, directed the Genome Sequencing and

Zabin, who is also a professor of Obstetrics, Gynecology & Sciences in Arts & Sciences, is a former chairperson of the American College of Obstetricians/Gynecologists, the National Institutes of Health.
**Cancers appear in mice treated with adeno-associated virus**

**By Darrell E. Ward**

S cientists at the School of Medicine and the University of Southern California (USC) are collaborating on a major new translational research program centered on cancer, which will use molecular markers to tailor chemotherapy for each patient. The project and its lead investigator, Howard L. McLeod, M.D., associate professor of medicine and of molecular biology and pharmacogenetics at the USC Center of the University and of genetics at the National Institute of Health (NIH), are one of a new breed of scientists that use molecular markers to code for the enzyme beta-glucuronidase (beta-glucuronidase) that mice were unable to produce because their own beta-glucuronidase genes were mutated. Their condition mimicked Sly's syndrome, one of more than 40 lysosomal storage diseases that in aggregate affect approximately 1 in 5,000 babies.

Lysosomes are cellular compartments that dismantle complex molecules into constitutent pieces. When one of their enzymes is missing, the large molecules pile up, damaging cells in many tissues.

In this study, the first to inject mice with the gene-carrying virus raised production of beta-glucuronidase enzyme to functional levels for at least a year. The treated mice gained normal or near-normal weight, their bones grew to almost normal lengths, and they didn't develop renal problems. Further, gene therapy just after birth protected many of the animals associated with lysosomal storage disease.

When the surviving mice were checked at 18 months old, three of the five had signs of liver cancer. Examination of additional mice that were either sacrificed or spontaneously died between 8 and 18 months identified other animals with tumors. None of eight surviving untreated mice had cancer. Moreover, the researchers have never seen these tumors in the many mice they have treated in other ways for beta-glucuronidase deficiency.

The University study was not designed to determine whether AAV might be linked to cancer. It set out to test the long-term efficacy of gene therapy for mice lacking beta-glucuronidase. Possible explanations for the findings include:
- **Gene therapy with the vector** in which the non-recombinant AAV used by Sands' group may cause cancer in mice.
- **Gene therapy with AAV** may cause cancer in mice that lack beta-glucuronidase because these mice are immunocompromised and have other organ problems:
  - Gene therapy with AAV may cause cancer in mice if the vector is injected intravenously.
  - Overexpression of the human beta-glucuronidase gene in mice may cause cancer, regardless of the vector.
  - Gene therapy with AAV may cause cancer in mice.
  - The disease mucopolysaccharidoses type VII (MPS VII) may predispose these animals to malignancies.

Further studies will be needed to distinguish among these possibilities. The researchers stress, sands' group is repeating the experiment to determine if the results are reproducible.

The project was convened in 1998 to integrate the findings and technology of many scientists across different disciplines and disease fields. The project and its lead investigator are making their findings public because they believe the public has a right to know.
Poet, fiction writer Howe to read for the Writing Reading Series

By LILIAN OTTEN

Fanny Howe, author of more than 20 books of poetry and fiction, will read from her work at 8 p.m. Thursday for The Writing Program in the Department of English in the College of Arts & Sciences. Howe will be in residence for two weeks. Howe is a professor of English and director of The Writing Program. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's most recent book of poetry, "Provender," contains 16 series of lyrics gathered from her work over the past 20 years. The poems have been called "meditations on matter and spirit, on the wonder of physical human life on earth." In "Folded wings, too," such as

Tuesday, Sept. 25

Poetry Reading

Title: What the Writing Program Reading Series

When: 8 p.m. Thursday

Where: Colloquium on the craft of poetry

8 p.m. Sept. 27

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.

Tuesday, Sept. 25

Fanny Howe is in residence for two weeks. The Writer's House is in residence for two weeks in The Writing Program in arts and sciences.

Howe's works will be available for purchase.
What a show Agnes Tsang (left), a senior sculpture major, interred with artist Mary Lynn O'Shea at the Clayton Art Fair last weekend. The program — the brainchild of Ron Buswell, area coordinator of ceramics at the School of Art — first pairs students with professional artists, then provides them with display booths of their own the following year. The Clayton Art Fair is the third-largest event of its kind in the United States, drawing some 160 artists and 140,000 attendees.

Noted economist Frank to give Assembly Series lecture

BY KURT MILLER

Noted economist Frank to give Assembly Series lecture

Frank is the Goldberg Smith Professor of Economics, Ethics and Public Policy at Cornell University, where he also holds a joint appointment in the university's Johnson School of Management. His writing and research focus on social issues and economics.

He has authored a number of books, including "Choosing the Right Pond: Human Behavior and Social Policy," published in 1985, and "Economics," a widely considered to be in the top 10 books. In 1988, "Economics" was named as a DuPont Young Professor in the Division of Biological Sciences.

Frank co-wrote "The Winner-Take-All Society: Why the Meanings of Money Have Changed in America" (1995) with David J. Shapiro, a Stanford University economist.

Frank also served as chief economist for the Department of the Treasury from Jan. 1993 until March 1994, and was named as a DuPont Young Professor in the Division of Biological Sciences.

Economist Robert H. Frank will give an Assembly Series lecture at 11 a.m. Wednesday in Graham Chapel.

Frank is the Goldberg Smith Professor of Economics, Ethics and Public Policy at Cornell University, where he also holds a joint appointment in the university's Johnson School of Management. His writing and research focus on social issues and economics.

He has authored a number of books, including "Choosing the Right Pond: Human Behavior and the Quest for Status." "Passions Within Reason: The Strategic Role of the Emotions." "Microeconomics and Behavior" and "Luxury Fever." In 1995, Frank co-wrote "The Winner-Take-All Society: Why the Meanings of Money Have Changed in America" (1995) with David J. Shapiro, a Stanford University economist.

Frank earned a bachelor's degree in mathematics from Georgia Institute of Technology in 1966, then he took a two-year hiatus to teach math and science as a Peace Corps volunteer. He earned a master's degree in statistics and a doctoral degree in economics, both from University of California, Berkeley.

He has taught at Cornell for nearly 30 years, during which he also served as chief economist for the Civil Aeronautics Board (1978-80), a fellow at the Center for Advanced Study in Behavioral Sciences (1982-83) and most recently, a visiting professor of American civilization at the Ecole des Hautes Etudes en Sciences Sociales in Paris.

Assembly Series talks are free and open to the public. For more information, call 935-5285 or visit the Assembly Series Web site, wupa.wustl.edu/assembly.

The Assembly Series lecture by David Hackett Fehrenbach that was scheduled for Wednesday was canceled due to the creation of the nation's flight moratorium.

Assembly Series

Who: Economist Robert H. Frank

What: Assembly Series lecture

Where: Graham Chapel

When: 11 a.m. Wednesday

Award

Woolley won Lyell scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.

Award Woolley named winner of cope scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.

What a show Agnes Tsang (left), a senior sculpture major, interred with artist Mary Lynn O'Shea at the Clayton Art Fair last weekend. The program — the brainchild of Ron Buswell, area coordinator of ceramics at the School of Art — first pairs students with professional artists, then provides them with display booths of their own the following year. The Clayton Art Fair is the third-largest event of its kind in the United States, drawing some 160 artists and 140,000 attendees.

Noted economist Frank to give Assembly Series lecture

Frank is the Goldberg Smith Professor of Economics, Ethics and Public Policy at Cornell University, where he also holds a joint appointment in the university's Johnson School of Management. His writing and research focus on social issues and economics.

He has authored a number of books, including "Choosing the Right Pond: Human Behavior and the Quest for Status." "Passions Within Reason: The Strategic Role of the Emotions." "Microeconomics and Behavior" and "Luxury Fever." In 1995, Frank co-wrote "The Winner-Take-All Society: Why the Meanings of Money Have Changed in America" (1995) with David J. Shapiro, a Stanford University economist.

Frank earned a bachelor's degree in mathematics from Georgia Institute of Technology in 1966, then he took a two-year hiatus to teach math and science as a Peace Corps volunteer. He earned a master's degree in statistics and a doctoral degree in economics, both from University of California, Berkeley.

He has taught at Cornell for nearly 30 years, during which he also served as chief economist for the Civil Aeronautics Board (1978-80), a fellow at the Center for Advanced Study in Behavioral Sciences (1982-83) and most recently, a visiting professor of American civilization at the Ecole des Hautes Etudes en Sciences Sociales in Paris.

Assembly Series talks are free and open to the public. For more information, call 935-5285 or visit the Assembly Series Web site, wupa.wustl.edu/assembly.

The Assembly Series lecture by David Hackett Fehrenbach that was scheduled for Wednesday was canceled due to the creation of the nation's flight moratorium.

Assembly Series

Who: Economist Robert H. Frank

What: Assembly Series lecture

Where: Graham Chapel

When: 11 a.m. Wednesday

Award

Woolley won Lyell scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.

Award Woolley named winner of cope scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.

Award Woolley named winner of cope scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.

Award Woolley named winner of cope scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.

Award Woolley named winner of cope scholar award — Page 5

"This is an extremely prestigious award that reflects well on Washington University. It's an excellent way to begin the new school year."

Woolley's award citation notes "her seminal contributions at the interface of organic polymer and materials chemistry, including the development of methodologies for the preparation of well-defined nanometer-scale macromolecules, whose cross-linked dendritic-like nanoparticles and nanotubes, and the elucidation of the original concepts of "smart chemistry" for the synthesis of hydrothermally degradable polymers."

Woolley's research has drawn considerable professional and popular interest in recent years.
A candlelight vigil was held in Brookens Quadrangle Tuesday night that allowed students, faculty and staff to come together to reflect on the day's tragic events. Chancellor Mark S. Wrighton and Wayne Fields, Ph.D., the Lynn Cooper Harvey Distinguished Professor in English and director of more than 1,000 science and technology studies, both in Arts & Sciences, were among the first to reach the student speakers at the ceremony. Below are Wrighton's and Fields' remarks.

Chancellor Wrighton

The university was stunned all of us. We gathered this evening as a community concerned for our families, our friends and our community, and for our families and friends and for our community concerned about you. We gather as your Washington University family. Our community, it is our responsibility to support another, and we now must support each other. We come from every corner of the United States and the world, concerned for those whose presence is being tried in a new and terrible way. This community extends to all affected, because we care for the lives of each and every one of you who are here tonight. Our concern extends to all affected, because we value human life. In the aftermath of the events of today, the scope of the tragedy we have seen will be huge. I would like to remind you that the great expectation we have for each of you is that you will always show respect for others, both here on campus and in the community that surrounds us.

We gather as your Washington University family. Our community, it is our responsibility to support another, and we now must support each other. We come from every corner of the United States and the world, concerned for those whose presence is being tried in a new and terrible way. This community extends to all affected, because we value human life. In the aftermath of the events of today, the scope of the tragedy we have seen will be huge. I would like to remind you that the great expectation we have for each of you is that you will always show respect for others, both here on campus and in the community that surrounds us.

Take care of one another. We are here, and we are together, and we must be as one another — every one of us is being tried in a new and terrible way; and we are being tried in a new and terrible way. And the test of a community, especially a community such as ours, is the depth of our commitment to one another, as an ability — in the midst of such stress, to trust and to comfort one another rather than to distance and be afraid. And that is what we are being tried in a new and terrible way; and we are being tried in a new and terrible way. And the test of a community, especially a community such as ours, is the depth of our commitment to one another, as an ability — in the midst of such stress, to trust and to comfort one another rather than to distance and be afraid. And that is what we are being tried in a new and terrible way; and we are being tried in a new and terrible way.

Field's remarks

"We must continue to uphold the utmost respect for the diverse people who constitute the Washington University community. People from all racial, religious, economic, political, and work at the University, and it is especially important at this tragic time that we respect all human on and off campus."

Mark S. Wrighton
activating it to rapidly accept energy. At this juncture the triggering group is either released, blunted, or quenched, and instead of light going out, heat is released. This induces further controlling the switch photoresponse.

Holtin and Landi studied the molecular electronics switch in Holtin's laboratory, a high-speed logic circuit using nanoscale high-speed lasers, mirrors, lenses and machinery. The photonic array uses photonic parts instead of electrical parts. A photonic switch is a more efficient electronic switch than a traditional electronic switch, which would use a transistor or other electronic component to turn light on and off. The photonic switch could be used in a variety of applications, including as a building block for a photonic computer.
Advancing collaborative community efforts

Gautam N. Yadama, Ph.D., seeks to improve the lives of the poor and marginalized who are dependent on common resources

By ANN NICOLSON

"When most people think of the tropical forests, they imagine its spectacular beauty — what you might see captured in National Geographic-type photos," Yadama said. "But what struck me was the extreme poverty of forest communities. In the midst of the abundance, I was impressed by how difficult it was for them, as they struggled between an oppressive state and predatory markets to seek out an existence." Later, as a graduate student at the University of Massachusetts Amherst, Yadama became interested in community-based, resource-management programs being launched in many of these tropical forests. His doctoral thesis compared governmentally and nongovernmental community forestry initiatives in Andhra Pradesh, India. His subsequent research looks at how communities act collectively to govern forest common property resources that are sold in markets and market populations in India, Nepal, Bhutan and Turkey. His focus is how local communities and the state can put aside their historic differences and make credible commitments to work together to attain sustainable development.

Yadama cautions that creators of development policies must first understand the historic, cultural and political dynamic of economic dynamics that can complicate state and community cooperation. For instance, in India, colonial and post-independence state policymakers viewed native tribes as indiscriminate users of forest resources who hampered the state's ability to maximize profits in timber and mining industries.

"The resulting policies were not only alienating, but also increased the hardships of vulnerable groups whose survival is linked to forest use," Yadama said. "These policies failed to recognize that before state intervention, forests were being managed as common property guided by institutional norms of tribal communities. Today, the most effective policies are centered around state and community forest co-management, where communities and the state share a stake in enhancing forest conservation while also benefiting in the benefits. Given the historical tensions and current competing interests in forest resources, reaching this equilibrium can be a long and difficult process. Essential to achieving this goal will be direct inclusion of the poor and marginalized in the governance of these resources.

Yadama's fieldwork among forest-dwelling tribal communities brings new insight into the roles of social capital, mediating agencies, governance structures, policies for creating markets and reciprocity, and institutional arrangements that ensure enforcement and accountability. His work has been published as research papers in the United Nations, as policy analyses for international governmental organizations, in professional journals and as books in development and resource management:

"Yadama's research and publications reflect a wonderful combination of key questions, theoretical insight, innovative research projects, skilled data collection and analytical sophistication," said Michael W. Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Policy at the George Warren Brown School of Social Work and director of GWB's Center for Social Development, under which Yadama has conducted research initiatives. "His extraordinary international work in India, Nepal, Bhutan and other countries in South Asia also extends the research and educational atmosphere at GWB, and enhances the University's efforts to build stronger ties to Asia.

During the 2000-2001 academic year, Yadama combined his knowledge of collective action in forest communities to his research into collaborative community efforts in urban areas. Under a Fulbright Foreign Scholarship grant, he surveyed 150 communities and interviewed 600 households about institutional arrangements — both within their communities and in collaboration with the state — to supply and maintain public goods in neighborhoods. His research, which will be published as a book, will further the policy debate as to why some impoverished communities are more able to supply public goods than others in providing public goods, such as clean and adequate streets, clean water supplies, sewage systems and garbage disposal.

In 1999, Yadama was creation of the Social Policy in Law Program within the Social Policy in Law Program. Since then, Yadama has also been involved in addressing the rights of those at the margins of society, including women and children. To gain insights into the role of advocacy in the United States, several of the master's degree law students are observing Washington University's Law School's clinical program this semester.

Under the partnership with Tribhuvan University, Washington University students also have pursued public policy internships in Nepal's emerging democracy. Five social work students, four law students and three dual degree students have worked on projects with grassroots organizations. Their efforts furthered policy initiatives ranging from combating sexual trafficking of girls and women to promoting micro-finance practices to creating sustainable development programs to assist the poor.

"Anyone who knows Gautam knows that he is a man of tireless energy and expansive ideas," Allen said. "He is a true Fulbright guest helping the program explore clinical education initiatives, speak highly of Yadama's contributions.

"Dr. Yadama's commitment to bringing an international perspective to the M.S.W. program combined with his own experiences outside of the United States inspired me to pursue my dream of a career as an international social worker," said Felicia Bartow, who graduated with an M.S.W. in 2000 and now serves as program coordinator for the Midwest Immigrant and Human Rights Center in Chicago. "His commitment to students is one of the highest possible standards of academic and professional excellence." 2001 M.S.W. graduate Kelly Cook echoes the sentiments. "Dr. Yadama's commitment to policy in law internship in Nepal, said Yadama was an ideal mentor. "Dr. Yadama pushes students to go beyond what they think they are capable of." Corley said. "He encourages all of us to step out of our comfort zone to look at the world from a different point of view — especially if it is one we are not comfortable with. He is the type of person that just to be around him makes you feel like doing great things."

Gautam N. Yadama, Ph.D., associate professor in the George Warren Brown School of Social Work (GWB), meets with Guzal Kamalova (left) of Uzbekistan and Darkhand Bayar of Mongolia, who are studying at GWB as an Open Society Institute fellows.

Yadama visits with a Bhutanese villager during fieldwork in the Paro Valley of Bhutan. Yadama was researching how governmental policies are altering collective community forests that are being transformed into private lands.

Sept. 14, 2001

WASHINGTON UNIVERSITY IN ST. LOUIS R 9 CDIC

WASHINGTON People