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Washington University Record, March 21, 1991

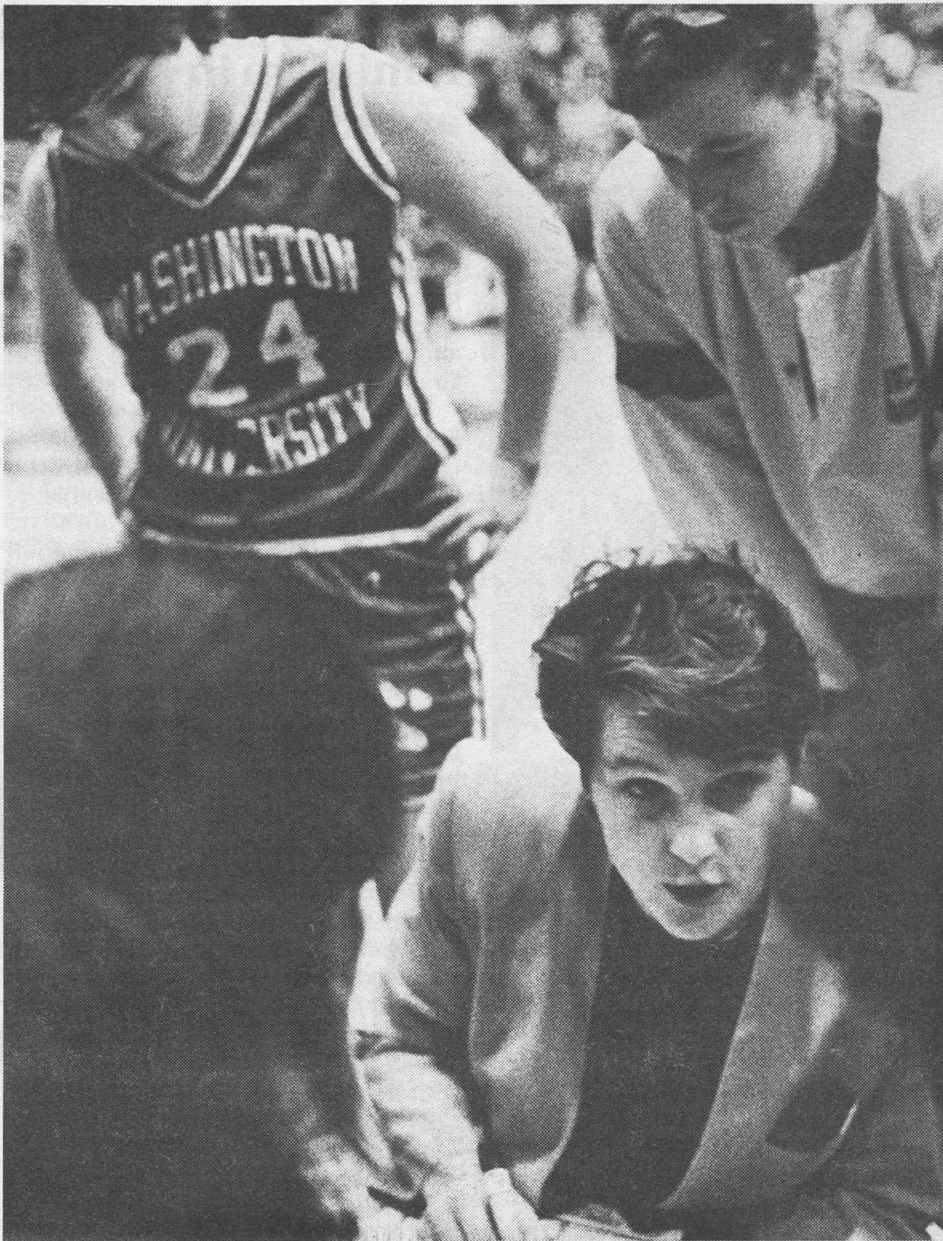
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RECORD



Coach of the Year: Women's basketball coach Nancy Fahey huddles with her team during the NCAA Division III Final Four last weekend in St. Paul, Minn. It was the first time a Bears' basketball team advanced to the national semi-finals. The team placed fourth in the tournament, finishing the year with a 24-7 record. Fahey was named the Central Region Coach of the Year by her peers and is a finalist for the Converse National Coach of the Year.

Sacred powwow preserves American Indian culture

An American Indian powwow, complete with dance, song and food, will be held throughout the day March 23 in the Women's Building Dance Studio.

The event, which is co-sponsored by the Center for American Indian Studies at the George Warren Brown School of Social Work and the Gallery of Art, is free and open to the public.

The ceremonial program will feature more than 50 American Indians from around the country performing dances and songs continuously from 1 to 5 p.m. and then from 6 to 10:30 p.m. In addition, food and craft booths will be set up. American Indian items that will be for sale include jewelry, blankets, paintings, beadwork and fry bread.

The ceremony will include a soldier dance, which will be dedicated to the American men and women serving in the Persian Gulf; an intertribal dance involving dancers from numerous tribes, among them the Cherokee, Choctaw, Chippewa and Sioux; and a blanket dance, in which the audience may participate.

The powwow is being held in conjunction with the exhibit "Carl Wimar: Chronicler of the Missouri River Frontier," which is on display through March 24 at the Gallery of Art in Steinberg Hall. Wimar's paintings, drawings and sketches of buffalo, landscapes and Plains Indians depict life in the pioneer West.

"The powwow complements the Gallery of Art's work in its endeavor to provide unique educational programming in conjunction with its exhibitions," says Joseph D. Ketner, gallery director. "It also complements the University's Center for American

Indian Studies' commitment to work with agencies such as the American Indian Center of Mid-America to promote, maintain and preserve the vital traditions of American Indian culture."

The American Indian community in the St. Louis metropolitan area represents at least 40 tribes, according to Dana Wilson Klar, director of the recently founded Center for American Indian Studies. "The powwow will be a tremendous opportunity for the St. Louis community to view a sacred, yet social, event that is a mainstay of the American Indian culture," says Klar.

Carter Revard, Ph.D., professor of English, will serve as the arena director during the powwow and will participate in a gourd dance. Revard, who is part Osage, is president of the board of directors of the American Indian Center of Mid-America. The Mid-America center, along with the American Indian Society of St. Louis, will help stage the powwow.

For information, call 889-6288.

Faculty nominations are being accepted

The faculty Senate Council will consider nominations for the following committees at its April 8th meeting: Assembly Series Committee, Bookstore Advisory Committee, Library Council and University Judicial Board.

Faculty members are free to nominate themselves or any colleague willing to serve if asked. Interested faculty should contact their Senate Council representative or Memory Elvin-Lewis at Campus Box 1137.

'Black Heartland'

Symposium explores Midwestern influence

The Midwestern influence on African-American culture will be examined during a symposium to be held March 21-24 at Washington University and at the Missouri Historical Society in Forest Park.

The symposium, titled "Black Heartland: The Growth and Development of African-American Culture in the Midwest," also will focus on how African-Americans have shaped Midwestern culture. It is sponsored by the African and Afro-American Studies Program and the American Culture Studies Institute of Washington University and the Missouri Historical Society. Gerald L. Early, Ph.D., associate professor of English and of African and Afro-American studies, is project director.

Professors from across the country will present papers on a variety of prominent African-Americans who have enhanced Midwestern culture, including writers Langston Hughes, Toni Morrison and Gordon Parks; jazz legend Charlie Parker; and Welday Wilberforce Walker, an athlete and political activist from Ohio during the late 1800s. The papers presented at the symposium will be published in a book next year.

Wayne Fields, Ph.D., associate professor and chair of the Department of English, will open the symposium at 3 p.m. March 21 in the May Auditorium, Simon Hall, with an essay on the Mississippi River, titled "River of the Heart."

Other speakers will include William L. Andrews, Hall Professor of

English at the University of Kansas, who will discuss two Midwestern African-American slave narratives at 10 a.m. March 22 in the May Auditorium. Musician Dempsey Travis, who wrote the 1983 book *The Autobiography of Black Jazz*, will speak on "The Midlands: Jazz Mecca 1893-1945" at 4 p.m. March 22 in the May Auditorium.

At 9 p.m. March 23 during a banquet aboard the Huck Finn riverboat, author Stanley Crouch, who wrote the 1990 book *Notes of a Hanging Judge*, will discuss his current project — a biography of musician Charlie Parker.

As a special feature, the Tommy Flanagan Trio will perform in concert at 8 p.m. March 22 at the Saint Louis Conservatory and Schools for the Arts (CASA), 560 Trinity Ave., in University City. Flanagan, a jazz legend who toured with singer Ella Fitzgerald for 10 years, will be accompanied by George Mraz on bass and Bobby Durham on drums.

The concert is sponsored by African and Afro-American Studies, the Contemporary Jazz Society of St. Louis and CASA. Tickets are \$12.50 in advance and \$15 at the door.

The symposium also will feature a panel discussion on jazz in the Midwest with Flanagan, writer Nathan W. Pearson Jr. and Dempsey Travis at 11:30 a.m. March 23 in the Emerson Auditorium of the Missouri Historical Society. William F. Reeder, president of CASA, will serve as moderator.

For information on registration and symposium fees, call 889-5690.

Best-selling novelists give lectures

Two best-selling novelists — Scott Turow and Toni Morrison — are speaking in Graham Chapel this week, as part of the Assembly Series. The lectures are free and open to the public.

Turow, an author and lawyer, was scheduled to give the ODK Honors Lecture at 11 a.m. March 20, followed by a book signing at 1:30 p.m. in the Campus Bookstore. Award-winning novelist Morrison will give the CSAS Symposium/Foreign Language Week Lecture at 4 p.m. March 21.

Turow wrote the 1987 best-selling novel *Presumed Innocent*, which was turned into the 1990 movie of the same name. *Presumed Innocent* recounts the courtroom drama of an innocent man being tried for murder. Turow himself is a lawyer for the Chicago law firm Sonnenschein Nath & Rosenthal. His second novel, *Burden of Proof*, was published last year.

Omicron Delta Kappa is a national honorary that recognizes students for their leadership and contributions in the areas of scholarship, athletics, community service, communications and the arts. The lecture also is sponsored by the Assembly Series, Department of English, School of Law and Student Union.

One of America's foremost novelists, Morrison won the Pulitzer Prize and the Robert F. Kennedy Award in 1988 for *Beloved*. The novel, published in 1987, also received both National Book Award and National Book Critics Circle Award nominations.

Morrison has earned a reputation as a gifted storyteller whose troubled characters seek to find themselves and their cultural heritage in a society that warps or impedes such growth.

Her 1977 novel *Song of Solomon* also won the National Book Critics Circle Award. Her other works include *Tar Baby*, *Sula* and *The Bluest Eye*.

The lecture is sponsored by the African and Afro-American Studies Program, Assembly Series, Association of Black Students, Council of Students of Arts & Sciences, English, Foreign Language Week, Germanic Languages and Literatures, International Writers Center and Student Union.

For information, call 889-4620.

Foreign Language Week

Tuesday, March 19

1 and 7:30 p.m. French Play, "Exercices de style," piece de Queneau jouee par des etudiants "undergraduate" de Washington University. Drama Studio, Room 208 Mallinckrodt Center.

7 p.m. Chinese Film, "February." Room 100 Busch Hall.

7 p.m. Hebrew Film, "But Where is Daniel Wax?" Meyer Language Lab, Room 210 Ridgley.

Wednesday, March 20

12-1 p.m. Scripts of the East, a demonstration of Chinese and Japanese writing. Main Floor, Mallinckrodt Center.

6 p.m. Portuguese Film, "Com Licença Eu Vou a Luta." Meyer Language Lab, Room 210 Ridgley.

7:30 p.m. French Film, "Drole de drame." Meyer Language Lab, Room 210 Ridgley Hall.

7:30 p.m. Italian Play, "Gli imbianchini non hanno ricordi." Drama Studio, Room 208 Mallinckrodt Center.

Thursday, March 21

10:15 and 11:30 a.m. German Play, "Die grosse Wut des Philipp Hotz." Drama Studio, Room 208 Mallinckrodt Center.

4 p.m. Reading and Commentary with Toni Morrison, author of *Beloved*. Graham Chapel.

8 p.m. German Film, "Fitzcarraldo." Meyer Language Lab, Room 210 Ridgley Hall.

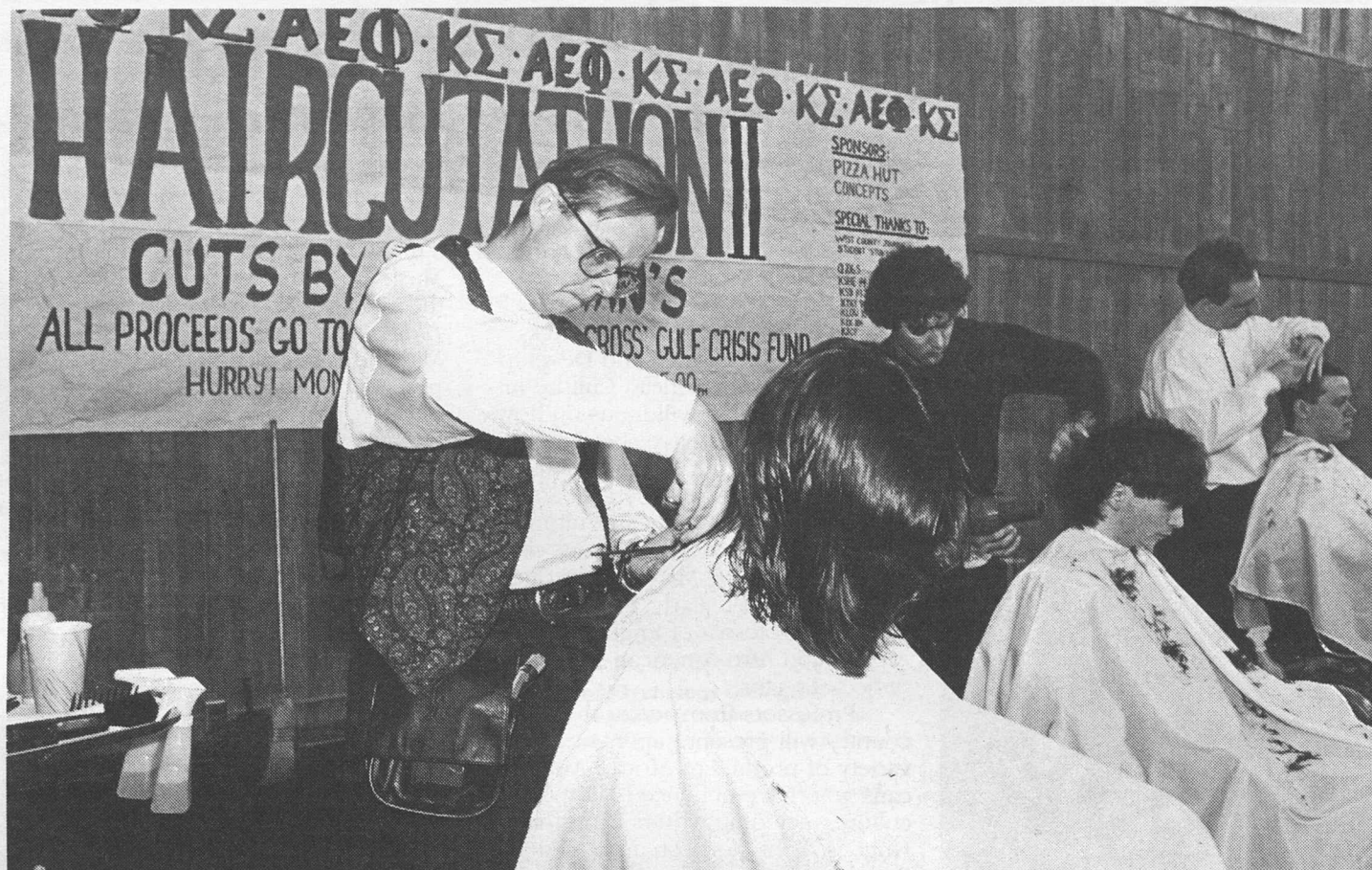
Friday, March 22

11 a.m. Spanish Film, "Man Facing Southwest." Meyer Language Lab, Room 210 Ridgley.

11 a.m. Spanish Film, "Muzzy." Room 106 Simon Hall.

Saturday, March 23

8 p.m. German Play, "Die grosse Wut des Philipp Hotz." Drama Studio, Room 208 Mallinckrodt Center.



Hair-raising experience: More than 130 members of the Washington University community lined up in Mallinckrodt Center recently to receive a haircut, manicure or back massage and, at the same time, helped raise money for the American Red Cross Persian Gulf Crisis Fund. Organized by Kappa Sigma and Alpha Epsilon Phi, Haircut-A-Thon II netted \$1,400 for the Gulf fund. Employees of Jonathan's, a local hairstyling and beauty salon, volunteered their services for the daylong event.

Architecture and feminism in pro-life are lecture topics

Paul Goldberger, cultural news editor for The New York Times, and Helen Alvare, spokeswoman for the National Conference of Catholic Bishops, will give Assembly Series lectures next week. Both lectures, which are free and open to the public, will be held in Graham Chapel.

Goldberger, who won a 1984 Pulitzer Prize for distinguished criticism, will discuss "Buildings Against Cities: The Struggle to Make Livable Places" at 11 a.m. March 27.

Alvare, director of planning and information for the National Conference of Catholic Bishops' Secretariat for Pro-life Activities, will speak on "Feminism in Pro-life" at 4 p.m. March 27.

Goldberger is an expert on topics ranging from historical preservation to postmodernism. In 1981 the American Institute of Architecture awarded him its medal in recognition of his status as "one of America's most significant architectural journalists." He also is a 1987 recipient of the Roger Starr Journalism Award from Citizens Housing and Planning Council.

Goldberger, who is praised for his witty, entertaining and perceptive writing, is the author of several books, including *The City Observed*, *New York: A Guide to the Architecture of Manhattan* and *On the Rise: Architecture and Design in a Post Modern Age*.

The lecture is sponsored by the Assembly Series, School of Architecture, Student Union, University College and the St. Louis Urban and Local History Seminar.

Alvare has written friend-of-the-court briefs for the U.S. Supreme Court and lower federal courts concerning the First Amendment, abortion and termination of treatment. She also has spoken nationally on the legal aspects of surrogate motherhood, capital punishment and related issues.

She is a member of Feminists for Life and Women Affirming Life.

Her lecture is sponsored by the Assembly Series, Student Union and Washington University Students for Life. For information, call 889-4620.

Islamic morality is focus of talk

University of California-Berkeley Professor Hamid Algar will discuss "The Roots of Islamic Morality in Faith and in Law" at 7:30 p.m. March 26 in Room 110 January Hall.

Algar's talk is the fourth lecture in the series "Moral Absolutism, Moral Relativism: By What Criteria Shall We Act?" The series, which is free and open to the public, examines ethical issues, their complexity in a pluralistic society, and the difficulty of achieving a consensus on ethical issues.

Algar teaches Persian and Islamic studies at the University of California, where he has been a faculty member since 1965. Prior to his position at the University of California, Algar served on the faculties of Teheran University and Istanbul University.

Among Algar's publications are *Religion and State in Iran, 1785-1906*, *Mirza Malkum Khan: A Biographical Study in Iranian Modernism* and *The Islamic Revolution in Iran*.

The "Moral Absolutism/Moral Relativism" lecture series, which runs through April, is sponsored by the Religious Studies Program, the senior class of 1991, the Council on Inter-Religious Concerns and the Committee on Religious Studies.

For information, call 889-5115.

Computing resource center for faculty opens

Educational Computing Services (ECS) has established a Faculty Computing Resource Center to provide University faculty with the latest tools — hardware, software and course construction materials. The center, which opened March 1, is the result of several months of cooperation between ECS, the School of Technology and Information Management, and the Teaching Center.

The Faculty Computing Resource Center is designed to function as a central location where faculty can gather information about computing and share their ideas and techniques with colleagues from around the University. A faculty reception to celebrate the opening will be held from 3 to 5 p.m. April 17 at the center, which is located in Room 8A Prince Hall.

David H. Benson, associate director of Educational Computing Services, said he hopes faculty members will take advantage of the resources available at the new center. "We certainly hope it will encourage faculty members on campus to examine some of the ways in which new technology can assist them in their teaching and maybe even have their imagination stirred," said Benson.

The center has copies of award-winning and innovative courseware and related programs from universities around the country. Faculty interested in exploring ways in which computers can be used to supplement current learning methods can contact the center to arrange for a demonstration of any software in the collection.

Another goal of the center is to provide a location where faculty can develop academic software. The center supports a wide range of development tools ranging from authoring systems and programming languages to specialized hardware and software. Consulting support includes assistance with project design, programming, and locating and securing grants for project development.

During the course of the year, plans call for the center to sponsor a number of seminars and meetings related to using the computer in academia. In addition, the center can be reserved by individual faculty members who need access to its

resources for their own meetings.

Faculty can experiment with a variety of computers and programs before making a purchase. Product information from various vendors, including the Campus Computer Store, is available.

The center has a wide collection of computing literature ranging from newsletters from universities around the country, descriptions of projects at other institutions, courseware catalogs, and subscriptions to popular computing publications.

The center will have several Macintosh and MS-DOS compatible computers as well as word processors, graphics programs, and communications programs. In addition, the center will provide access to such resources as compact discs and databases, video laserdiscs, scanners, font editors, authoring systems and sound digitizers.

Other services, such as text scanning in a variety of languages, document format translation, virus detection and general consulting, will

be available in the ECS Computing Clinic, which is located next door to the center in Room 8 Prince Hall. Besides the ECS offices and the Computing Clinic, nearby computing resources include the College of Arts and Sciences Macintosh Lab and the School of Technology & Information Management PS/2 Lab.

The center is open by appointment to all University faculty and graduate students with teaching responsibilities. All services provided by the Faculty Resource Center and the ECS Computing Clinic, with the sole exception of text scanning, are offered without charge.

For more information, contact one of the following:
 Robert McDowell 889-5703
 Director, Teaching Center
 David H. Benson 889-5313
 Associate Director
 Educational Computing Services
 Timothy Bergeron 889-6692
 Manager, ECS Consulting Services

Europe travel scholarship is offered

Proposals for the Bemis Traveling Scholarship, a new award offered to a Washington University junior to undertake an original project in Europe during the summer prior to his or her final undergraduate year, are now being accepted for the summer of 1991.

The scholarship, named for Johanna Bemis, a 1928 graduate of Washington University and a former secondary school teacher in Clayton, Mo., is awarded based on originality of the proposal and evidence that sufficient preparatory investigation has been done so that the project is both practicable and likely to be successful.

A project can be in any field, provided that travel to Europe is a necessary condition for successful completion. The project can be submitted for credit or linked to a specific class. For instance, the student could examine art or architecture or write a paper requiring research in a European library. However, the project also can be independent of classes.

Preference will be given to candidates who have not been to

Europe or traveled there extensively. Topics that have no specific European content, such as studies in pure mathematics, or proposals that are directed toward language study are not suitable.

The scholarship is given by Richard Rose, professor of political science at the University of Strathclyde in Scotland. Rose was a student of Bemis' at Clayton High School and a graduate of Johns Hopkins, where he has sponsored a similar scholarship.

Proposals should be approximately three to five typewritten pages and should be submitted with an academic reference to professor Robert Wiltenburg in the Dean's Office, 201 S. Brookings, by March 29.

The award has a maximum value of \$2,000. The successful candidate will be expected to submit a written report within a month after the start of the following academic year. For more information, interested juniors should call Wiltenburg at 726-7334 on Tuesdays between 9 a.m.-noon or Thursdays from 1-4 p.m.

NOTABLES

Bilaye Benibo, Ph.D., visiting assistant professor of sociology, delivered an invited lecture on "A Synopsis of Nigerian Political History and Culture" at the Lashley Branch Library in St. Louis. Benibo, a native of Nigeria, presented the February lecture as part of the library's Black History Month activities.

Harold Blumenfeld, professor emeritus of music, will have a new musical work, "Ange de flamme et de glace (Angel of Flame and Ice)," premiered on April 16 in Cincinnati's Corbet Hall. Scored for baritone and an ensemble of six players, the work will be conducted by Gerhard Samuel, conductor of the Cincinnati Philharmonia Orchestra, with baritone Randall Gremillion as soloist. As is the case with many of Blumenfeld's recent scores, the work deals with the texts from Arthur Rimbaud. On the same date, Blumenfeld will give a lecture, titled "Obliterating the Text: The Havoc Composers Wreak in Setting Poetry to Music," at the College-Conservatory.

John I. Hochstein, Ph.D., associate professor of mechanical engineering, has been elected an associate fellow of the American Institute of Aeronautics and Astronautics. Associate fellows are elected based on their contributions to the fields of arts, sciences or technology of aeronautics and astronautics.

Howard Jones, professor emeritus of fine arts, has two large sound and light sculptures included in the exhibition titled "Photons: Phonons: Electrons" at the Jacksonville (Fla.) Art Museum. The exhibit, which began Feb. 5 and continues through April 14, features Jones and 12 other artists whose work in sound, light and motion explores new technology as a means of expression. Jones' work also was included in "P.U.L.S.E. II," a major exhibition at the University of California, Santa Barbara, that featured artists using state-of-the-art technology.

Saulo Klahr, M.D., Joseph Friedman Professor of Renal Diseases in Medicine, recently was honored by the National Kidney Foundation with a lectureship established in his name. The lectureship will begin this fall and will be open to all nephrologists in the service area of the National Kidney Foundation of Eastern Missouri and Metro East Inc. Klahr is president of the National Kidney Foundation.

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Medical Campus employees: Send to: Payroll Office, Washington University, Box 8017, 660 S. Euclid, St. Louis, Mo. 63110.

Steven G. Krantz, Ph.D., professor of mathematics, delivered a paper titled "Invariants of Domains" at a meeting on "Applications of Partial Differential Equations in Several Complex Variables" held at the Mathematisches Forschungsinstitut in Oberwolfach, Germany. The meeting was sponsored by Volkswagen International and the Federal Republic of Germany. He is a co-editor of a three-volume work, to be published in June, that is based on the 1989 proceedings of the American Mathematical Society Summer Institute, held in Santa Cruz, Calif. He delivered a colloquium titled "Automorphism Groups and the Geometry of Domains" at Southern Illinois University at Edwardsville. He will lecture on "Harmonic Analysis on Domains" at a meeting of the American Mathematical Society on March 22 in Tampa, Fla., and will deliver a colloquium titled "The Invariant Geometry of Domains" at Brown University on April 25.

Stephen H. Legomsky, J.D., D.Phil., professor of law, and **Bernard D. Reams Jr.**, J.D., Ph.D., professor of law, have been elected members of the American Law Institute (ALI). The institute comprises approximately 2,500 judges, lawyers and law professors from across the nation who are interested in legal scholarship and law reform. Members are elected based on their achievements and recognition in the legal profession. Members of the institute promote the clarification and simplification of the law, secure the better administration of justice and encourage and execute scholarly and scientific legal work. Their election brings the law school's total ALI membership to seven.

Daniel R. Mandelker, J.S.D., Howard A. Stamper Professor of Law, had his article titled "The Shifting Presumption of Constitutionality in Land Use Law" published in the *Journal of Planning Literature*. Callaghan has published the 1990 supplement to his treatise titled "NEPA (National Environmental Protection Act) Law and Litigation."

John C. Morris, M.D., assistant professor of neurology and neuropathology, spoke at the policy committee meeting of the State of California Alzheimer's Disease Program. Morris, associate neurologist-in-chief at Jewish Hospital, discussed clinical database development and implementation. He also spoke on "Alzheimer's Disease 1990: New Dimensions in Research" at the fourth annual postgraduate symposium at the University of Kansas Medical Center. He presented "The Clinical Phenomenology of Alzheimer's Disease" and "Laboratory Evaluation: The Differential Diagnosis of Dementia."

Martin S. Silverman, Ph.D., research assistant professor of biology, **Stephen E. Hughes**, Ph.D., assistant professor of neurobiology, and **James D. Miller**, Ph.D., professor of psychology, organized the "First Conference in Biological Replacement in Sensory Systems," held March 15-17. The conference was sponsored by the Central Institute for the Deaf.

Have you done something noteworthy?

Have you: Presented a paper? Won an award? Been named to a committee or elected an officer of a professional organization? The Washington University Record will help spread the good news. Contributions regarding faculty and staff scholarly or professional activities are gladly accepted and encouraged. Send a brief note with your full name, highest-earned degree, current title and department along with a description of your noteworthy activity to Notables, Campus Box 1070, or by electronic mail to p72245SS at WUVMC. Please include a phone number.

Biologists awarded funds to further plant research

Two members of the Department of Biology have received grants totaling \$250,870 from the Midwest Plant Biotechnology Consortium to further plant research.

Roger N. Beachy, Ph.D., professor of biology and director of the Center for Plant Science and Biotechnology, received \$77,910 to develop novel methods to deliver new genes to plants, which ultimately will make plants resistant to disease.

Karel R. Schubert, Ph.D., adjunct professor of biology and former associate director of the center, received \$172,960 to study the insecticidal properties of tropical plants with hopes of transferring those properties to crops through genetic engineering. This is the second year Schubert has received funding from the consortium. Schubert, who is professor of botany at the University of Oklahoma, collaborates with researchers at the University of Missouri.

Beachy received \$98,586 from non-federal and industry matching funds for his project, bringing the total project funding to \$173,496; Schubert received similar matching funds of \$298,701 to bring his total project amount to \$471,661.

The consortium, located at

Purdue University, awarded \$1.87 million to 27 research teams from 12 Midwestern universities in 1991. The funds are supporting 13 first-year research projects and 14 second-year projects. The consortium unites universities, government and industry in a collaborative research and development effort to discover new technologies and techniques to improve agricultural crops grown in the Midwest. The consortium facilitates the rapid transfer of new technologies to the marketplace.

Plant biotechnology is the science of changing a plant's genetic makeup to improve the species. Unlike traditional hybrid breeding techniques, biotechnology allows researchers to insert the exact genes the plant needs for the desired trait. Some of the current research projects the consortium funds are working toward solving agricultural problems like reduced crop productivity caused by diseases and pests, improving the nutritional value of grains and enhancing the desirable traits that already exist within the plant.

Founded in 1985, the consortium comprises 18 universities, including Washington, 30 corporate members and Argonne National Laboratory.

Senior one of 257 women to receive grant

Jean M. Sankey, a senior majoring in biology, is one of 257 women throughout the world to receive a grant or fellowship for the 1990-91 academic year from the American Association of University Women (AAUW) Educational Foundation.

Sankey received a bachelor's degree in nursing in 1953 from Johns Hopkins University. She is pursuing a bachelor's degree in biology with an emphasis in botany. Sankey works in the laboratory of Walter H. Lewis, Ph.D., professor of biology.

More than 2,500 women applied for AAUW Educational Foundation fellowships and grants for the 1990-91 academic year. The organization

awarded more than \$2 million in fellowships and grants to the recipients in a number of programs designed to meet individual needs.

Sankey, for instance, received a grant from the Project Renew, now called the Career Development Program, which supports women who have been out of college for at least five years and are re-entering the work force, making a career change or advancing their current careers. Stipends range from \$1,000 to \$5,000.

Founded in 1917, the AAUW is the oldest and largest non-institutional source of funding for graduate education of women.

NEWSMAKERS

Washington University faculty and staff make news around the globe. Following is a digest of media coverage they have received during recent weeks for their scholarly activities, research and general expertise.

Mapping human DNA — many Washington University scientists, including Daniel L. Hartl, Ph.D., James S. McDonnell Professor of Genetics and head of the Department of Genetics; Helen Donis-Keller, Ph.D., Maynard V. Olson, Ph.D., and Robert H. Waterston, M.D., Ph.D., all professors of genetics; David Schlessinger, Ph.D., professor of molecular microbiology; and Philip P. Green, Ph.D., assistant professor of genetics, are working to decipher the complete genetic code that governs all human heredity. The School of Medicine is one of the first four centers of investigation for the federally funded human genome initiative. Among the biggest scientific undertakings in history, the Human Genome Project will decipher the genetic messages locked away in each of the body's cells. The complete set of messages, or genome, is inscribed in the 100,000 or so genes on 23 pairs of chromosomes. The re-

search, according to articles that appeared in *The New York Times*, *Newsday*, *Insight*, *American Medical News*, *Portland Oregonian*, *Des Moines Register* and *Hartford Courant*, conceivably could lead to the cure and prevention of more than 4,500 diseases.

Sand dunes on Venus? Photos sent back to Earth by the Magellan spacecraft show that there are indeed sand dunes on Venus. "They look like a lot of sand dunes on Earth," says Ray Arvidson, Ph.D., professor of earth and planetary sciences in a story that appeared in *The New York Times*, *Washington Post*, *Newsday*, *Minneapolis Star-Tribune*, *Dallas Morning News* and many other newspapers across the country. Commenting on Venesian volcanoes, Arvidson said, "We don't understand plate tectonics in detail. Eventually Magellan will help us predict where major earthquakes and volcanic eruptions should be." Other features revealed by the Magellan photos include pancake-shaped lava domes, a mountain range topped with fool's gold and vast horseshoe-shaped formations that are believed to be unique in the universe.

CALENDAR

March 21-30

LECTURES

Thursday, March 21

9:30 a.m. School of Medicine Seminar, "Clinical Lessons From Microbiology: The Spondyloarthropathies," J. Claude Bennett, The Samuel B. Grant Visiting Professor, and prof. and chair, U. of Ala.-Birmingham. Clopton Aud., Wohl Clinic Bldg., 4950 Audubon Ave.

10:30 a.m. Division of Biology and Biomedical Sciences Medical Scientist Training Program, Neurosciences Program Thesis Defense, "Truncated Forms of the Human Nerve Growth Factor Receptor," Andrew A. Zupan, graduate student, WU Dept. of Pharmacology. Room 928 McDonnell Bldg.

Noon. School of Medicine Human Studies Committee Seminar, "Ethics of Withdrawal of Support," Stephen Lefrak, WU prof. of medicine and chair of ethics committee at Jewish Hospital. Erlanger Aud., McDonnell Bldg.

Noon. Dept. of Genetics Seminar, "Cell Adhesion and Axon Outgrowth in Insect CNS Development," Allan Harrelson, Division of Biological Science, U. of Missouri. Room 816 McDonnell Medical Sciences Bldg.

1:10 p.m. George Warren Brown School of Social Work Lecture, "How Social Workers Can Affect Change Through the Political Process," with Pearlie Evans, administrative assistant to Rep. William L. Clay; Robert Holden, administrative assistant to Rep. Richard A. Gephardt; and Jo-Ann K. Digman, district office director for Sen. Christopher S. Bond. James W. Davis, WU prof. of political science, will moderate the discussion. Brown Hall Lounge, Room 218. For more info., call 889-6606.

3 p.m. Dept. of Physics Special Theory Seminar, "(2+1) Quantum Gravity: What Do We Know About It and Why Do We Care?" Matt Visser, postdoctorate research asst., WU Dept. of Physics. Room 241 Compton Hall.

4 p.m. Assembly Series Presents CSAS Symposium/Foreign Language Week Lecture with Toni Morrison, author of *Beloved*. Graham Chapel. For more info., call 889-4620.

4 p.m. Asian Studies Colloquium, "Rural Urbanization and the Modernization of China's Countryside," Peter Schran, prof., Dept. of Economics, U. of Ill.-Champaign. Room 30 January Hall. For more info., call 726-4448.

4 p.m. Divisional Population Biology Program Seminar, "Evolution of Host Associations in Some Herbivorous Beetles: Toward a Union of Evolution Process and History," Doug Futuyma, Dept. of Ecology and Evolution, SUNY at Stony Brook. Room 322 Rebstock.

4 p.m. Dept. of Pathology Seminar Series, "Vascular Wall Mechanisms in the Cerebral Microcirculation," Ralph Dacey, prof., WU Dept. of Neurosurgery. Third Floor Aud., Children's Hospital, 400 S. Kingshighway Blvd.

4 p.m. Biology and Biomedical Sciences Divisional Student Sponsored Seminar, "Glial Information Processing? Confocal Fluorescence Studies of Neural to Astrocyte Signaling in Hippocampal Slices," Stephen J. Smith, Dept. of Molecular and Cellular Physiology, Stanford U. Cori Aud., 660 S. Euclid Ave. For more info., call 362-3391.

7 p.m. Pre-Law Club Presents a Law School Information Seminar, including a discussion with alumna and attorney Vicki Vasileff. Facts about law school applications with emphasis on the 'New' Law School Admissions Test will be covered. Room 106 Simon Hall. For more info., call 862-1251 or 997-7791.

8 p.m. Dept. of English Colloquium, "Polarities and Pluralities: Gendered Freedoms in Early Saints' Lives and Recent Theories," Madeleine Brainerd, WU asst. prof. of English. Hurst Lounge, 201 Duncker Hall. For more info., call 889-5190.

Friday, March 22

9:15 a.m. Pediatric Grand Rounds, "Leukocyte Adherence Deficiency," Irene L. Graham, WU instructor in pediatrics and medicine. Clopton Aud., 4950 Audubon Ave.

Noon. Dept. of Cell Biology and Physiology Seminar, "Biophysical and Molecular Mechanisms of K⁺ Channel Gating," Richard Aldrich, Stanford U. Room 423 McDonnell Medical Sciences Bldg.

1 p.m. George Warren Brown School of Social Work Student Council Presents "A Collection of Voices," the second annual student conference. Brown Hall Lounge, Room 218. (A preconference workshop, "Men's Violence Against Women," Jon Cohen, WU social work student, will be held from 10 a.m.-noon in the lounge.) For more info., call 781-7070.

3 p.m. Dept. of Engineering and Policy Seminar, "Science Policy in Developing Countries: The Case of Mexico," Robert P. Morgan, WU Elvera and William Stuckenberg Professor of Technology and Human Affairs. Room 104 Lopata Hall.

4 p.m. Microbial Pathogenesis Seminar Series, "How Does Toxoplasma Gondii Enter

and Flourish in Mammalian Cells?" Keith Joiner, prof. of medicine and chief, Infectious Diseases Section, Yale U. School of Medicine. Room 775 McDonnell Medical Sciences Bldg.

4 p.m. Division of Hematology-Oncology Program for Cancer Research Seminar, "Immortalizing Functions of Epstein Barr Virus," Bill Sugden, McArdle Laboratory, U. of Wis.-Madison. Third Floor Aud., Children's Hospital, 400 S. Kingshighway Blvd.

Monday, March 25

1 p.m. Asian Studies Colloquium, "Yukichi Fukuzawa in the History of U.S.-Japanese Relations," Atsushi Shirai, prof., Keio U., and Nissan Institute of Japanese Studies, U. of Oxford. Room 30 January Hall.

4 p.m. Dept. of Biology Seminar, "Acoustic Criteria Used by Female Tree Frogs in Mate Choice," H. Carl Gerhardt, Dept. of Biology, U. of Mo.-Columbia. Room 322 Rebstock.

4 p.m. Dept. of Chemistry Seminar, "Quinone Methides: Synthesis, Chemistry and Biological Activity," Steven Angle, U. of Calif.-Riverside. Room 311 McMillen.

4 p.m. Immunology Program Seminar, "Observations on the Early Aspects of CNS Inflammation," William F. Hickey, WU assoc. prof. of pathology and neurology. Third Floor Aud., Children's Hospital, 400 S. Kingshighway Blvd. For more info., call 362-8748.

4 p.m. Dept. of Psychology Colloquium, "Self, Intimacy, and the Construction of Social Reality," William Swann Jr., U. of Texas. Room 102 Eads Hall.

6:15 p.m. Dept. of Germanic Languages and Literatures Lecture, "Theoretische und historische Aspekte der Komodie — Hofmannsthal's Schwieriger und Musils Vinzenz," Dietmar Goltshnigg, prof. of German, U. of Graz. Room 241 Simon Hall.

8 p.m. School of Architecture Monday Night Lecture, "Current Works," Gyorgy Keves, Budapest architect. Steinberg Hall Aud. For more info., call 889-6200.

Tuesday, March 26

7:30 p.m. Assembly Series Presents Moral Absolutism/Moral Relativism Lecture, "The Roots of Islamic Morality in Faith and in Law," Hamid Algar, prof. of Persian and Islamic studies, U. of Calif.-Berkeley. Room 110 January Hall.

Wednesday, March 27

11 a.m. Assembly Series Lecture, "Buildings Against Cities: The Struggle to Make Livable Places," Paul Goldberger, Pulitzer Prize-winning cultural news editor, The New York Times. Graham Chapel.

4 p.m. Assembly Series Presents Students for Life Lecture, "Feminism in Pro-life," Helen Alvare, director of planning and information, National Conference of Catholic Bishops. Graham Chapel.

4 p.m. Assembly Series Presents Science and Society in the United States Lecture, "An American Dilemma in Science," Kenneth Manning, prof. of the history of science, MIT. Room 106 Simon Hall.

4 p.m. Dept. of Biochemistry and Molecular Biophysics Seminar, "The Guanylyl Cyclase Receptor Family and Its Role in Cell Regulation," David L. Garbers, Dept. of Pharmacology, U. of Texas-Dallas. Erlanger Aud., McDonnell Medical Sciences Bldg. For info., call 362-0261.

Thursday, March 28

2:30 p.m. Dept. of Mechanical Engineering Seminar, "Easy and Hard Aspects of Axial-Turbine-Blade Design," T. Korakianitis, WU asst. prof. of mechanical engineering. Room 100 Cupples II.

3 p.m. Asian Studies Colloquium, "The Mangliu (Blind Currents) of Migrant Peasant Workers: PRC's Rural Crisis in a Historical Perspective," Winston Hsieh, prof., Dept. of History, University of Mo.-St. Louis. Room 30 January Hall. For more info., call 726-4448.

4 p.m. Dept. of Chemistry Seminar, "Control of Peptide Conformation: Templates and Scaffolds," Paul Bartlett, U. of Calif.-Berkeley. Room 311 McMillen. (Coffee: 3:45 p.m.)

Friday, March 29

Noon. Dept. of Cell Biology and Physiology Seminar, "Conotoxins, Receptors and Ion Channels," Baldomero Olivera, U. of Utah. Room 423 McDonnell Medical Sciences Bldg.

Noon. Dept. of Surgery Transplant Seminar, "Pancreas and Islet Allo- and Auto-Transplantation: Clinical and Experimental Observations on Factors Influencing Outcome," David E.R. Sutherland, prof. of surgery, U. of Minnesota. Third Floor Aud., Children's Hospital, 400 S. Kingshighway Blvd.

3 p.m. Dept. of Engineering and Policy Seminar, "Technology Assessment and the U.S. Congress: Promise and Reality," Robert P. Morgan, WU Elvera and William Stuckenberg Professor of Technology and Human Affairs. Room 104 Lopata Hall.

PERFORMANCES

Friday, March 22

8 p.m. Edison Theatre "OVATIONS!" Series Presents The Acting Company in Shakespeare's "Two Gentlemen of Verona." Edison Theatre. Cost: \$18 for general public; \$14 for senior citizens and WU faculty and staff; and \$9 for students. For info., call 889-6543.

Saturday, March 23

8 p.m. Edison Theatre "OVATIONS!" Series Presents The Acting Company in Shakespeare's "Romeo and Juliet." Edison Theatre. Cost: \$18 for general public; \$14 for senior citizens and WU faculty and staff; and \$9 for students. For ticket info., call 889-6543.

MUSIC

Friday, March 22

8 p.m. WU Chamber Choir Presents "Music of Four Centuries." Christ Church Cathedral, 1210 Locust St. Free. For info., call 889-5581.

Sunday, March 24

7:30 p.m. Dept. of Music Presents a University City Symphony Orchestra Concert. Graham Chapel. Free. For more info., call 889-5581.

8 p.m. WU Percussion Ensemble Concert, directed by Rich O'Donnell. First Congregational Church of St. Louis, 6501 Wydown Blvd. Free. For more info., call 889-5581.

EXHIBITIONS

"Roman Republican Coins." Through May 19. Gallery of Art, lower gallery, Steinberg Hall. Gallery hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Washington University Art Collections." Through May. Gallery of Art, lower gallery, Steinberg Hall. Gallery hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

"Carl F. Wimar: Chronicler of the Missouri River Frontier." Through March 24. Gallery of Art, upper gallery, Steinberg Hall. Gallery hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

"Romance and Reality on the Frontier," in conjunction with the Carl F. Wimar exhibit. Through March 24. Gallery of Art, lower gallery, Steinberg Hall. Gallery hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

"McDowell's College and Pope's College." Through April 19. Glaser Gallery, Room 702, School of Medicine Library. Hours: 8 a.m.-10 p.m. weekdays; 1-6 p.m. weekends.

"A Temple of Texts: Fifty Literary Pillars," selected by William Gass, WU David May Distinguished University Professor in the Humanities. Through April 10. Special Collections, Olin Library, Level 5. Exhibit hours: 8:30 a.m.-5 p.m. weekdays. For info., call 889-5495.

FILMS

Thursday, March 21

6 and 9:30 p.m. Filmboard Foreign Series Presents "Celine and Julie Go Boating," a French film with English subtitles. Room 100 Brown Hall. \$3. For 24-hour Filmboard hotline, call 889-5983.

Friday, March 22

7 and 9:30 p.m. Filmboard Feature Series Presents "Presumed Innocent." (Also March 23, same times, and March 24 at 7 p.m.) Room 100 Brown Hall. \$3.

Midnight. Filmboard Midnight Series Presents "The Paper Chase." (Also March 23, same time, and March 24 at 9:30 p.m.) Room 100 Brown Hall. \$3. On Fri. and Sat., both the 9:30 p.m. and midnight films can be seen for a double feature price of \$4; both Sunday films can be seen for \$4.

Monday, March 25

7 and 9:30 p.m. Filmboard Classic Series Presents "Funny Face." (Also March 26, same times.) Room 100 Brown Hall. \$3.

Tuesday, March 26

7 p.m. Dept. of Asian and Near Eastern Languages and Literatures Presents "Sansho the Bailiff," a Japanese film with English subtitles. Room 100 Busch Hall. Free. For more info., call 889-5156.

Wednesday, March 27

7 and 9:30 p.m. Filmboard Foreign Series Presents "Fellini Satyricon," an Italian film with English subtitles. (Also March 28, same times.) Room 100 Brown Hall. \$3.

7:30 p.m. Dept. of Romance Languages and Literatures Presents "Jeux interdits (Forbidden Games)," a French film with English subtitles. Room 210 Ridgley Hall. Free.

Friday, March 29

6 and 9 p.m. Filmboard Feature Series Presents "The Last Temptation of Christ." (Also March 30, same times, and March 31 at 6 p.m.) Room 100 Brown Hall. \$3.

Midnight. Filmboard Midnight Series Presents Monty Python's "The Meaning of Life." (Also March 30, same time, and March 31 at 9:30 p.m.) Room 100 Brown Hall. \$3. On Fri. and Sat., both the 9 p.m. and midnight films can be seen for a double feature price of \$4; both Sun. films can be seen for \$4.

SPORTS

Friday, March 22

3 p.m. Baseball. WU vs. Central College. Kelly Field.

Saturday, March 23

10 a.m. Men and Women's Outdoor Track and Field. WU Open. Bushyhead Track.

1 p.m. Men's Tennis. WU vs. Rust College. Tao Tennis Center.

1 p.m. Baseball. WU vs. Augustana College. Kelly Field.

Sunday, March 24

Noon. Baseball. WU vs. Augustana College. Kelly Field.

Wednesday, March 27

4 p.m. Women's Tennis. WU vs. Maryville College. Tao Tennis Center.

Friday, March 29

1 p.m. Baseball. WU vs. Principia College. Kelly Field.

3 p.m. Men and Women's Outdoor Track and Field. WU Twilight Open. Bushyhead Track.

Saturday, March 30

Noon. Baseball. WU vs. Wabash College. Kelly Field.

MISCELLANY

Thursday, March 21

3 p.m. African and Afro-American Studies Program Symposium, "Black Heartland: The Growth and Development of African-American Culture in the Midwest" opens with "River of the Heart," an essay about the Mississippi River, Wayne Fields, chair, WU Dept. of English. May Aud., Simon Hall. Symposium, which features guest speakers, films, a jazz concert and banquet, continues through March 24. Also sponsored by the WU American Culture Studies Institute and the Missouri Historical Society. For times, cost and locations, call 889-5690.

Saturday, March 23

1-10:30 p.m. George Warren Brown School of Social Work Center for American Indian Studies Presents an American Indian Powwow. Co-sponsored by the Gallery of Art. Dance Studio, Women's Bldg.

Sunday, March 24

10 a.m. Spiritual Friendship Ministries Presents "Having Church," a Palm Sunday Christian Worship Service with Pastor Wyatt I. Greenlee Jr., the Higher Heights Christian Church and the Visions Gospel Choir. Co-sponsored by InterVarsity Christian Fellowship, Asian Christian Fellowship, and other WU Christian Campus Ministries. Graham Chapel. For more info., call 862-4409.

Saturday, March 30

9:30 a.m.-5 p.m. Committee on Comparative Literature Presents "Renga," a symposium on collaborative poetry. A workshop "Reading Renga III" will be held from 3 to 5 p.m. Co-sponsored by the Dept. of Asian and Near Eastern Languages and Literatures, Dept. of Romance Languages and Literatures, and Latin-American Studies. Women's Bldg. Lounge. For more info., call 889-5170.

Calendar Deadline

The deadline to submit items for the March 28-April 6 calendar of the Record is March 22. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. Incomplete items will not be printed. If available, include speaker's name and identification and the title of the event; also include your name and telephone number. Send items to Deborah Parker, calendar editor, Box 1070, or by electronic mail to p72245DP at WUVMC.