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Joint AB-AM Degree, New Major Approved for Arts and Sciences

Two new programs in the WU College of Arts and Sciences were approved by the Faculty of Arts and Sciences at its first meeting of the year on Oct. 10. They include a four-year, combined AB-AM degree program and a major in archaeology.

According to Linda B. Salamon, dean of the College of Arts and Sciences, the AB-AM program is designed for those students, perhaps 20 each year, who enter the College with one semester or more of college credit. In the past, many of these students have elected to take more than normal course loads, and some have chosen to graduate in three years. Salamon said that rewarding these students who study for a full four years has advantages for them and for the University.

“For areas where the AM is the terminal professional degree, such as in geology, there is a distinct time advantage for students,” she said. “The program also allows these highly motivated students to get into advanced courses and seminars earlier. Third, four years of undergraduate education is an important intellectual growth period which students should experience.” The program also maintains a critical intellectual mass in certain graduate courses and seminars.

The degree requires 135 hours of undergraduate and graduate credit, including all academic and residency requirements for the AB degree. After fulfilling the minimum requirements for an undergraduate major, students in the program must accumulate an additional 30 units of graduate (400 and 500 level courses) work. Theses and examinations for the AM degree are still required. Additional requirements, such as the study of a foreign language, may be added by the departments.

Formal admission to the graduate school will be delayed until the student’s final semester so that undergraduate aid and loan programs can continue. The four-year, AB-AM program will be offered by participating departments within the

Study of interplanetary dust particles in the “clean room” at Compton Hall is among the research to be funded by the NASA grant.

WU Scientists Hail NASA Grant For Pioneering Space Research

The National Aeronautics and Space Administration has selected WU as one of four universities in the nation to participate in a newly announced “innovative research” program. According to NASA officials, the program is designed to encourage pioneering basic research which is in the formative or embryonic stage, and which appears to have significant potential for the advance of space science.

The initial grant here of $125,000 per year will be administered through the McDonnell Center for the Space Sciences. Director of the Center and McDonnell Professor of Physics Robert M. Walker hailed the funds as “a significant step in improving the pattern of research support in this country.”

“Too often,” said Walker, “some of the best ideas go begging because they are considered too speculative. There is a growing realization that total reliance on the current peer review system of individual project support does not optimize creativity and innovation.”

According to Walker, new ideas first must be nurtured and developed before they can compete in the scientific marketplace. “The beauty of this money is that it is flexible,” he said, also noting that many major discoveries in the past have been a result of serendipity rather than directed research.

WU’s own Center for Archaeometry is a good example. In 1974, city officials were having difficulty in safely cleaning a scale from the Milles Fountain in downtown St. Louis. At an interdisciplinary seminar, WU scientists discussed cleaning the scale with a small, abrasive machine purchased for cutting lunar rocks. The idea was successful, and the Center is now nationally recognized for its pioneering techniques in the preservation of outdoor statues.

Walker outlined several exploratory areas in which the research grant may be used. One is the development of new analytical methods for studying extraterrestrial materials such as interplanetary and interstellar dust. Others are working to improve image-processing techniques for space data, conduct-

The serenity of a fall day in the Quadrangle was disturbed last week as workmen laid cable as part of a $200,000 campus lighting project. Other areas to be lit are near Olin Library, Duncker, Graham, Prince, Brookings and the Skinker lots.
To Book on Swedish Health System

WU Professor, Students Contribute
To Book on Swedish Health System

Two political scientists, Arnold J. Heidenheimer of WU and Nils Elvander of the University of Uppsala in Sweden, are the editors of a new book on *The Shaping of the Swedish Health System*, published by Croom Helm of London and St. Martin's Press in New York City.

It is the first book written by social scientists to examine the evolution of the Swedish health care system. A collection of original essays, it draws upon governmental records, interview data and statistical analyses. The contributors examine the modern system against a background of historical developments in medical education and the provision of health insurance. The consequences of these developments are related to recent decisions involving compensation for doctors, financing health care and the concentration of health care in hospitals.

Of timely interest are those chapters which examine in detail the reasons why Swedish physicians now receive specific salaries rather than being remunerated with patient fees. It also explains why the number of Swedish doctors has increased dramatically, and how this development has affected the costs of the Swedish health system.

Four of the 14 contributors to this comprehensive book are or have been associated with WU. In addition to Heidenheimer, they are: Mack Carder, a candidate for the PhD in political science; Bendix Klingeberg, who studied sociology and political science here and at the University of Hamburg; and Hirobumi Ito, who earned the AM degree as a major in the Germanic-Scandinavian studies area on this campus in 1977.

Heidenheimer, Carder and Klingeberg contributed papers on the role of the medical profession in health policy reforms after 1945. Ito and another participant, Ole Berg, a political scientist at the University of Oslo, concentrated on historical and comparative studies.

In the closing chapter of the book, Odin W. Anderson, professor of sociology and director of the Center for Health Administration Studies at the University of Chicago, and James Warner Bjorkman, assistant professor of political science at the University of Wisconsin, Madison, conclude: “In sum, the health services will continue to be a growth industry and in public demand. The health sector will continue to be labour-intensive. And high technology will continue to develop. All of this will be expensive. There is no cheap way out. Health services cannot be efficient; yet they must be provided. Health services will continue to receive a high priority because they are wanted—regardless of so-called outcome measures.”

Saturday Family Swims Offered

The WU Department of Sports and Recreation will offer family recreational swims for faculty, staff and their children from 10:30 a.m. to noon on Saturdays, Oct. 25, Nov. 1, Nov. 8, Nov. 15 and Nov. 22. The pool will be divided into three sections: one lane for lap swimming; one section of shallow water; and one section of deep water.

Four-Day Early Music Festival
Features Staged Monteverdi Opera

Four evenings of Renaissance and Baroque music will be presented during WU’s first annual Early Music Festival from Thursday, Oct. 30, through Sunday, Nov. 2, on campus. It is sponsored by the Department of Music.

Highlighting the festival on Nov. 2 will be an authentically staged and costumed performance of Monteverdi’s short opera *Il Ballo dell’ Ingrate* (The Dance of the Ungrateful Women) (1638), performed by WU’s Collegium Musicum, and directed by Nicholas McGegan, artist-in-residence at WU. The Collegium is comprised of students in WU’s graduate Historical Performance Practice Program.

Courtly dances and stylized, rhetorical gestures are used in this work, which illustrates the calamity—eternal life in hell—that befalls women who reject men’s love. Garbed in costumes covered with tears, the ghosts of damned, unmarried women dance and sing their sadness while Pluto, god of Hades, warns living women to “gather ye rosebuds while ye may.”

This concert, which will begin at 8 p.m. in Holmes Lounge, will also include a performance of the “Magnificat” from Monteverdi’s *Vespers* (1610), sung by the WU Madrigal Singers, directed by Orland Johnson, professor of music.

The festival will open on Thursday, Oct. 30, with a concert of 16th-century Spanish and Italian vocal and instrumental selections by the Early Music Ensemble of St. Louis at 8 p.m. in Graham Chapel. The performers are Christine Armistead, soprano; Willard Cobb, tenor; Lauri Pierce, viola da gamba; Rodney Stuckey, lute, and Kevin Mason, lute and viola da gamba. Armistead holds an AB degree in music from WU; Mason is a doctoral candidate here.

Baroque flutists

McGegan, who is director of the festival, and Lynn Hizer, and harpsichordist Charles Metz, will give an all-Bach (J.S. and C.P.E. Bach) recital at 8 p.m. Friday, Oct. 31, in Holmes Lounge. Metz, a WU graduate assistant, and Hizer are both doctoral candidates at WU.

The Concerto Castello, a Massachusetts-based ensemble, will perform a concert of 17th-century Italian and German instrumental music on Saturday, Nov. 1, at 8 p.m. in Holmes Lounge. The performers include Bruce Dickey, who is a WU artist-in-residence, corretto and recorder, Dana Malben, violin, Alice Robbins, cello, Charles Toet, trombone, and Frances Fitch, harpsichord. Admission to all concerts is $2 at the door.

The festival will also include two master classes on 17th- and 18th-century music from 1-3 p.m. in Holmes Lounge. McGegan and Metz will lead Saturday’s class on 18th-century chamber music. Members of the Concerto Castello will lead the Sunday workshop on late Renaissance and early Baroque music.

Both master classes are free and open to the public. Players of modern as well as old instruments may participate. Those wishing to perform must register by calling Ext. 5774.

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**Arnold J. Heidenheimer (right) and Nils Elvander at a 1978 conference on Swedish health policies.**

**Nicholas McGegan**

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**An ornament on a Renaissance instrument.**
Campus Notes

Off Track Dancers, a professional St. Louis dance company, has commissioned Mary-Jean Cowell, WU assistant professor of dance, to choreograph a new dance work for the company's "Concert of New Works," to be presented at 8 p.m. Sat., Oct. 25, at St. Louis Conservatory and Schools for the Arts (CASA), 560 Trinity Ave., University City. Satoru Shimazaki, WU dance artist-in-residence, will appear in the piece, entitled "Corridors." The music is by Steven Radecke, musical director of the WU dance division.

Samuel B. Guze, vice chancellor for medical affairs and president of the WU Medical Center, was installed as chair of the Board of Directors of the Association of Academic Health Centers (AAHC) during the association's annual meeting this month.

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Graduate School of Arts and Sciences. Students may inquire at the College about existing five-year programs leading to graduate degrees from other University divisions.

Curricular and faculty resources for the major in archaeology have been drawn from the departments of Anthropology and of Art and Archaeology. The major requires an introductory course in archaeology and 24 hours of advanced credit of which at least 10 hours must be devoted to supervised archaeological fieldwork. Sarantis Symeonoglou, associate professor of art and archaeology, is the program's director. Other faculty working closely with the program are Patty Jo Watson, professor of anthropology, David L. Browman, associate professor of anthropology, and Lee A. Parsons, part-time lecturer in art and archaeology and curator of primitive art, St. Louis Art Museum.

Salamon explained that the archaeology major is similar to other interdisciplinary programs on campus, such as Jewish Studies and Women's Studies. "One or two students a year have been choosing a self-designed course of study in archaeology. This action formalized that study, using existing resources and without adding new staff," Salamon added.

Salamon also discussed the new undergraduate minor program, approved last spring. In addition to departments in the College, the schools of Business and Public Administration and of Fine Arts have submitted outlines for minors this fall, offering unique opportunities to students, according to Salamon. A minor is being considered by the School of Architecture.

"For the first time at this University, it is possible to study in two schools within four years," Salamon noted. "The minor is an opportunity to gain intellectual enrichment and to expand one's consideration of career goals. The key reason for the minor is to help students plan their four years here as a whole."

Complete lists and descriptions of available minors are now being compiled, and copies will soon be on file at the offices of all undergraduate divisions as well as the College.

Reka Kozak, a reserve and circulation assistant in the WU Biology Library, recently presented a paper at the International Conference for Librarians of Hungarian Origin in Budapest. Her topic was on "Methodological Problems in Preparing a Bibliography Relating to Hungary in Washington University Libraries, St. Louis."

Marilyn S. Pryor, director of the Division of Professional and Career Programs in the WU School of Continuing Education, was selected "Working Woman of the Day" (Sept. 2) by KXOK radio. This semester, Pryor's division developed 68 business and professional seminars offered through the School. In recognition of the award, Pryor was interviewed by broadcaster Phil Duncan and given several gifts by the station.

Student Group Strives to Offer New Music for Wind Ensemble

It's not all John Philip Sousa's fault. The burden should be shared by medieval trumpeters, centuries of military tradition and college football. The perception remains that wind and brass ensembles are for raising spirits and leading parades. Not so, according to Dan Presgrove, director of the WU Wind Ensemble.

"The symphonic band or wind ensemble is in the infant stage as an artistic organization," Presgrove said. "There are many composers who are exploring the possibilities of wind ensembles, and we always include a good portion of this innovative repertoire in our programs."

The ensemble will hold the first formal concert of its eighth season at WU on 8 p.m. Sunday, Oct. 26, in Edison Theatre. The program will feature Robert Jager's Sinfonietta, a recipient of an Oswald Award (given by music publishers) in 1972. Other works on the program are by Hartley, Reed, Strauss and Prokofiev. The free concert is open to the public.

In its search for new music, the ensemble has not overlooked WU composers. The group has performed two pieces by Robert A. Wykes, WU professor of music. In March, it will premiere a piece for wind ensemble and jazz quartet by Kim M. Portnoy, a WU graduate student.

Founded by Presgrove in 1972, the ensemble is made up mostly of WU students and of students and music educators from area colleges. When there is a choice, WU students are given preference for seats in the ensemble. Outsiders help fill gaps in sections.

Each year, the group gives four formal concerts on campus, one concert at a local high school, and four "pops" concerts, usually at St. Louis shopping centers. Next March, the group will perform at the University of Missouri-Kansas City.

Although the ensemble includes only two undergraduate music majors, it is made up of serious and well-rehearsed musicians, according to Presgrove. One member of the ensemble is a medical resident at Barnes Hospital who manages to arrange his work schedule around ensemble rehearsals.

Subsequent concerts in Edison Theatre are scheduled for Dec. 1, March 3, and April 28.

NASA — continued from p. 1

The WU Record is published weekly during the academic year by the Information Office. Editor: Charlotte Boman (Ext. 5251). Calendar Editor: Marcia Newman (Ext. 5254). Address communications to Box 1142.

French horns contribute to the Wind Ensemble's unique sound.

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NASA — continued from p. 1

ing fundamental physical chemistry studies of planetary materials (particularly the noble or inert gases) and experiments at ultra-high pressures, and developing a new detector for observing faint celestial objects in the infrared (a spectral region longer than visible light and shorter than radio waves).

The grant will boost the annual budget of the McDonnell Center for the Space Sciences to $2,125,000. The Center is an interdisciplinary group of approximately 70 researchers, technicians and graduate students, including 18 faculty members from the departments of Physics, Earth and Planetary Sciences, Chemistry and Electrical Engineering.
Calendar

October 24-30

Friday, Oct. 24

2 p.m. Department of Technology and Human Affairs Seminar, "Some Technical Ironies in the Control of Air Pollution," Warren White, WU assoc. prof. of mechanical engineering. 102 Eads.

3 p.m. Women's Studies Program and the Undergraduate History Association Lecture, "Charvaris, Marriage and Community in 17th-Century France," Patricia Davis, prof. of history, Princeton U. Hurst Lounge, Duncker Hall.

4 p.m. Eighth Annual Carl Vernon Moore Memorial Lecture, "The Role of Gonadal Steroids in Sexual Differentiation," Jean D. Wilson, prof. of internal medicine, Southwestern Medical School, Dallas, Tex. Carl V. Moore Auditorium, North Building, 4580 Scott Avenue.

Saturday, Oct. 25
9 a.m. Neural Sciences Program Seminar, "Role of Calcium in Synaptic Plasticity," Vincent Castellucci, division of neurobiology and behavior, College of Physicians and Surgeons, Columbia U. 928 McDonnell Science Bldg., 4750 McKinley.

11 p.m. WU Judo Club Invitational Tournament, Francis Field House.

Monday, Oct. 27
11 a.m. Department of Civil Engineering Seminar, "The Shear Center and the Center of Twist Revisited," Morris Ojalvo, prof. of civil engineering, Ohio State U. 100 Cupples I.


4 p.m. Department of Biology Seminar, "Dobhansky, Sturtevant and Wright: The Origin of the 'Genetics of Natural Populations' Series," William Provine, prof. of history, Cornell U. 322 Restock.


8:30 p.m. School of Architecture Lecture, "Reflections on Work, Past and Future," B. Doshi, founder and honorary director, School of Architecture, Ahmedabad, India. Steinberg Auditorium.

Tuesday, Oct. 28
8 p.m. Art of the 1970s Lecture Series, "Photographs in the 1970s," Ken White, WU asst. prof. of fine arts. Admission $2.50; $2 for WU community. Steinberg Auditorium.

Wednesday, Oct. 29

Two of the world's foremost Spanish dancers, Pascual Olivera and Angela del Moral, will perform at 8 p.m. Oct. 24 and Oct. 25 at Edison Theatre.

The Rise and Fall of the Third Reich Lecture, "Role of Gonadal Steroids in Sexual Differentiation," Jean D. Wilson, prof. of internal medicine, Southwestern Medical School, Dallas, Tex. Carl V. Moore Auditorium, North Building, 4580 Scott Avenue.

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