WU Selected As A NASA Center For Space Data

WU has been selected as one of six regional NASA Space Imagery Centers. The only one to be established in the Middle West, this Center will consist of two basic components: a data library and a data analysis facility.

The Center will be sponsored by the National Aeronautics and Space Administration (NASA) and by WU's McDonnell Center for the Space Sciences.

About a quarter-million photographs and maps are already on file at the Center in the form of prints, negatives and magnetic tapes. The Center is located on the lower level of Wilson Hall. This building houses the Earth and Planetary Sciences Department, many of whose members also have appointments at the University's McDonnell Center. Some of the sophisticated computer equipment needed to analyze the imagery data is already in operation, with more to be installed soon. This new regional Center will also include the most modern techniques for photographic reproduction.

Voyagers I and II, now on their way to Jupiter, are expected to provide a vast number of photographs of Jupiter and the Galilean satellites. The WU Imagery Center will eventually house all of this material. Voyager I is expected to pass by Jupiter on March 5, 1979, and Voyager II, on July 9, 1979.

WU scientists have long been recognized for their research in the fields of lunar and planetary studies, and measurements of particles and fields in outer space. The University's McDonnell Center was one of those selected to study the first samples from the moon and is well known for its lunar-sample analysis.

The Department of Earth and Planetary Sciences is now headed by a former NASA scientist, Larry A. Haskin, and includes Raymond E. Arvidson, assistant professor, who was one of 20 flight operations members of the Viking Lander Imaging Team involved in soft-landing two unmanned spacecraft on Mars in 1976.

Danforth Announces 1978-79 Tuition Increase; Unique Tuition Stabilization Plan Established

WU has announced a tuition increase for the 1978-79 academic year and the establishment of its innovative Tuition Stabilization Plan. The plan guarantees the total four-year tuition cost of a full-time undergraduate education for those students who receive no financial aid.

The new annual tuition rate for the 1978-79 year will be $4,300, compared with the present rate of $3,950. The new rate will apply to five divisions (undergraduate and graduate) of the University: Arts and Sciences; and the Schools of Architecture; Business and Public Administration; Fine Arts; and Engineering.

In making the announcement, Chancellor William H. Danforth stated that the University is committed to its extensive financial aid program and that, because of the higher cost, each student presently receiving aid will have his or her need re-evaluated by the Financial Aid Office for the next academic year.

"In addition," Chancellor Danforth said, "we are particularly concerned about the middle-income families who struggle to pay the full costs of an independent education without financial aid. Our Tuition Stabilization Plan, which we believe is unique in higher education, has been designed especially for those families."

Beginning with the 1978-79 academic year, the new plan will involve a prepayment of the full four-year tuition based on the annual rate at the time the student first enters WU. Thus, the family can plan its full tuition budget at a known cost, and the University can cover its rising costs out of the investment income on the prepaid amounts.

It is expected that the prepayment usually will be made from personal resources, such as existing investments or loans on existing equities. In addition, families may apply to WU for a loan from University funds to cover the prepayment amount. For those eligible, the University loan would be made at attractive interest rates for up to eight years.

In addition to establishing a known level of monthly payment for the families, a University loan to cover the Tuition Stabilization Plan carries significant income tax advantages, because interest paid on loans is permitted as a tax deduction.
WU Metallurgy Program Dazzles Brightly
Under the Hands of Craftsman Heikki Seppa

When Heikki Seppa arrived at WU to take over the metalsmithing program in 1965, he was shown a few rickety benches and some 30-year-old hand files. "That's the department," he was told.

Says Seppa, now associate professor of art, "Basically, it was four walls." A service department to the Art School offering only one elective for the student, metalsmithing has become a graduate program to prepare the student as professional craftsman or college teacher.

Scrounging equipment, designing new workbenches, lending his own tools, Seppa brought to the department the stringent, classical training he had received in Denmark and in Finland, where he was born, and some remarkable new techniques in form and surface treatment that he had developed.

"It is the University's provided increasing support ("They saw there was a need; the craft movement came late to the United States," Seppa said), a graduate program was born in 1971.

Today, the WU metalsmithing program is winning recognition as one of the most outstanding in the country. This claim is borne out by the steady flow of graduates into top college teaching positions. Others are testing their skills in the marketplace by setting up workshops, alone or with other metalsmiths. New students are arriving in ever-increasing numbers to enter the program.

It is a dazzling testimony to the high level of competence of University metalsmithing that in the latest design competition of the Sterling Silversmith Guild of America, a WU student won the coveted first prize. Winner David Jaworski, moreover, was no lone phenomenon. Of the 86 objects accepted for this most prestigious student silversmithing show, eight were crafted by WU students.

Perhaps the most important factor in the department's growth, Seppa believes, is that it offers a thorough experience in metalsmithing, rather than in specialties. "This type of program is very attractive to students," he said. "Some metalsmithing centers have become holoware or jewelry school or metal-enameling school, but at WU we can offer any technical aspect."

"We can make the most delicate ear-ring as well as a trophy as long as your arm," senior Matt Meis said. Freshman Sue Kessler said, "Though we work primarily with non-ferrous metals, if we have to fire up the forge, we can."

The only facility lacking, Seppa noted, is a wet laboratory where electo-forming can be done. "A wet-lab was offered to us in the sixties, but we had no room for it then. We do now."

In the Bixby basement workshop, amidst spirited hammering and the low roar of gas torches, students are turning sterling silver, bronze, brass, gold and stainless steel into a variety of lustrous objects. Jewelry, which has the greatest commercial appeal. Functional pieces, which range from flatware and hollowware to tables and chandeliers. And architectural items, which include door handles and knockers, escutcheon plates and fireplace sets—an area of enormous untapped potential.

Most promising are the non-functional "objects of contemplation," usually table pieces of silver that are starting to replace the silver coffee pot that just sat there. "Why not make something solely as an art object instead?" Seppa asks.

It is largely this master craftsman's pioneering in "shell structures" that has given these art objects impetus here and abroad. Before, there were three basic forms in the metalsmith's arsenal: the cylinder, box and bowl. Working with students and colleague John Baltrusunas, Seppa developed a technique that renders sheet metal into light, hollow objects. He has lectured on the method to some 25 craft schools.

Seppa believes that his students, in dedicating themselves to a difficult profession, have a mission. "Look around America. You see shoddy jewelry, shoddy design. Metalsmiths should be offering work of better taste."

He also believes that students should be encouraged to develop their own style in design. As Seppa's forthcoming book, Form Emphasis for Metalsmiths, states, "Young ideas are the most fragile of all things. If there is no room for the roots, if there is no acceptance, they will die."

Professor Davis Is Appointed Assistant to Dean Gottfried

James W. Davis, Jr., WU professor of political science, has been appointed assistant to Leon Gottfried, dean of the Faculty of Arts and Sciences. The new post, which carries with it the title of associate dean, is a half-time appointment. Davis will continue to teach in the Political Science Department.

Gottfried said that the volume of work his office must handle has made it necessary to add another member to the staff. The appointment, Gottfried added, would not alter the administrative structure of the Division of the Arts and Sciences.

Davis, whose specialty in political science is administration and bureaucratic politics, is particularly well-qualified to deal with the administrative matters associated with the Dean's Office, Gottfried said.

Although his duties have not been defined totally, Davis will be working with the other deans, particularly with Richard Batt, dean of the School of Continuing Education, and with the deans of the professional schools to encourage greater interchange between them and the Arts and Sciences, Gottfried said. Davis will also aid Gottfried in the development of new programs and the handling of internal matters.

THE CAMPUS Y will sponsor a weekend workshop entitled "Music and Consciousness," Fri., Feb. 10, through Sun., Feb. 12, on campus. Sessions will be held from 7:30-10:30 p.m. Friday; 10 a.m.-11 p.m. Saturday; and 10 a.m.-6 p.m. Sunday. The workshop, which integrates music with concepts of psycho-synthesis, will teach methods of deep relaxation, communication with the unconscious and other experiences directed toward greater use of deep consciousness levels. Registration fee is $75 for the entire weekend with lesser fees for portions of the workshop. For further information, call Ext. 5010.

WILLIAM S. C. CHANG AND CHARLES M. WOLFE, professors of electrical engineering, have been elected Fellows of the Institute of Electrical and Electronics Engineers effective January 1. Chang was cited for "contributions in optoelectronics and integrated optics." Wolfe was cited for "contributions to the development of high-purity gallium-arsenide for microwave and optical device applications."

HUGH MORRISON, who formerly served as assistant dean of financial affairs and assistant vice chancellor for medical affairs, has assumed two new positions. Morrison, a seven-year medical school employee, recently was promoted to associate dean and chief financial officer and associate vice chancellor for medical affairs.
Tuition (continued from page 1)

“Even though the University works hard to develop other sources of income,” Chancellor Danforth said, “tuition payments remain the key means by which an independent university can cope with inflation. Unfortunately, as costs in such essential areas as salaries for faculty and staff and utilities continue to rise, sources of income, including tuition, must rise as well. We hope that our new Tuition Stabilization Plan will help WU families find it easier to manage their investments in higher education within this troublesome inflationary economy.”

NASA (continued from page 1)
named Team Leader of this group, which continues its research at the NASA Jet Propulsion Laboratory at Pasadena, Calif. He was also actively involved in the photographic studies of Mars made by the Mariner flights. Establishment of this new Imagery Center at WU will make it one of the key centers in the United States for research in the space sciences. Scientists from all over the world are expected to use its resources for investigation and study.

The other five Imagery Centers will be located at: the Lunar and Planetary Science Institute, Houston, Tex.; Jet Propulsion Laboratory, Pasadena Calif.; U.S. Geological Survey, Flagstaff, Ariz.; Brown University; and the University of Arizona.

ST. LOUIS MAYOR JAMES CONWAY and St. Louis County Supervisor Eugene McNary will participate in an informal discussion on “County-City Merger: The Possibilities?” Fri., Feb. 3, from 7:30 to 9 a.m. in the Alumni House. The discussion, which will be accompanied by a continental breakfast, is open free of charge to all members of the campus community. It is being sponsored by the WU Law Alumni Association. For reservations, call Steve Kornblat at Ext. 6430.

SEVERAL COURSES offered by the Campus Y have yet to begin and enrollment is still open. Among them are courses in “Conscious Cookery,” karate, drawing and painting, Teacher Effectiveness Training (TET) and assertive training. Late registration for a selected number of courses already in progress is also possible. For further information, call the Campus Y at Ext. 5010.

The WU Record is published weekly during the academic year by the Information Office. Editor, Janet Kelley; calendar editor, Charlotte Boman. Address communications to Box 1142.

Lectures to Ragtime Planned for 125th

Plans for WU’s 125th anniversary celebration next fall are nearing completion with a University-wide birthday party, a student costume ball and a ragtime festival being only the icing on the cake.

Members of the anniversary committee, chaired by Tad Foote, dean of the Law School, report that they are pleased with the proposed schedule of events and the campus community’s enthusiastic response to the idea of the celebration. Although the anniversary plans are just about set, Dean Foote noted that other suggestions, especially if intriguing, will be considered and should be sent to him at Box 1120.

The majority of events for the celebration will be concentrated in a five-week period beginning the week of October 9 and continuing through the week of November 6. Some events, however, will continue throughout the year.

The celebration will begin with the Mr. and Mrs. Spencer T. Olin Conference on Wed., Oct. 11, highlighted by its two principal speakers, Sir Peter and Lady Jean Medawar. Sir Peter Medawar is a Nobel Laureate, and according to Dr. Maxwell Cowan, head of the Department of Anatomy and Neurobiology at the Medical School, is “the most articulate person in science today.” Lady Medawar is also a distinguished scientist. The Medawars will also participate in a symposium at the Medical School on October 16 and 17. At this writing, four other Nobel Laureates are also scheduled to appear at the symposium.

A birthday cake, a parade to the sound of tooting horns, and a decorated Quadrangle will enhance the University’s official birthday party scheduled for Fri., Oct. 13. The afternoon of the 13th will be a holiday for the entire campus community in honor of the anniversary.

Too numerous to list in detail, anniversary celebration plans also include the following events: Founders Day, October 14: readings by the English Department’s distinguished writers-in-residence; the triennial meeting of the World Psychiatric Association Committee; a gala Beaux Arts costume ball for students in the newly renovated Bixby Hall; the Red Rose Cotillion; lectures by Robert A. Strotz, noted economist and president of Northwestern University; a ragtime festival sponsored by the Performing Arts Area; a fund-raising ball sponsored by the WU Women’s Society; filming of some of the events by television station KETC, Channel 9; exhibits at Olin Library, the School of Architecture, and the Department of the Earth and Planetary Sciences; a year-long series of lectures and a faculty-student community project, both sponsored by the School of Engineering.

Geoffrey Wolff, novelist, biographer and critic, is the third WU Visiting Hurst Professor this year. Literary critic of New Times, he is the author of a recently published third novel, Inklings. Wolff is probably best known for his book, Black Sun, a biography of the flamboyant Harry Crosby, who was a member of the “lost generation” in Paris during the twenties. Wolff will discuss “New American Autobiographies” on Thurs., Feb. 2, at 8 p.m. in Hurst Lounge.

Webster, FBI Director Nominee, Is WU Alum and Board Member

William H. Webster, United States Court of Appeals Judge for the Eighth Circuit and a graduate of WU’s Law School (JD ’49), was nominated last week for the position of director of the Federal Bureau of Investigation (FBI) by President Jimmy Carter.

Administration officials hope that confirmation of Webster by the United States Senate will be completed before February 15, the date FBI Director Clarence Kelley will step down from the post.

Webster, who was appointed a federal judge in 1971 by former President Richard M. Nixon, has been an active participant in Washington University affairs for many years.

Since 1974 he has been a member of the University’s board of trustees. As a board member he served on the Educational Policy and Honorary Degree Committees and as chairman of the committee that formulated the University’s current “Policy on Academic Freedom, Responsibility and Tenure.”

He has also served as president of the WU Alumni Federation (now the Alumni Board of Governors) and the WU Law Alumni Association. In 1972, he was awarded the WU Alumni Citation for contributions to the field of law, and in 1977, the WU Law Alumni Association’s Distinguished Alumni Award.

William H. Webster

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**Calendar**

January 27-February 2

**MONDAY, JANUARY 30**


4 p.m. Department of Psychology Colloquium, "Cognition, Alcohol and Avoidance Behavior," David C. Rimm, prof. and dir. of clinical training, Old Dominion U., Norfolk, Va. 102 Eads.

4 p.m. Department of Anthropology Distinguished Lecturer Series, "Anthropology Among the Disciplines. Pieces from the Global Jigsaw," Cyril Belshaw, prof. of cultural anthropology, U. of British Columbia, Canada. 303 Mudd Hall (Law School).

**TUESDAY, JANUARY 31**

8 p.m. School of Fine Arts Lecture, "Public Art and Private Art—I," Gyorgy Kepes, Distinguished Visiting Louis D. Beaumont Professor of Art. Steinberg Auditorium.

**WEDNESDAY, FEBRUARY 1**


**THURSDAY, FEBRUARY 2**

4 p.m. Department of Chemistry Seminar, "Theoretical Aspects of Circulatory Polarized Luminescence Spectroscopy," James Riehl, prof. of chemistry, UMSL. 311 McMillen Lab.

8 p.m. Department of English Reading, Geoffrey Wolff, Visiting Hurst Professor, who will speak on "New American Autobiographies." Hurst Lounge, Duncker Hall.

**MUSIC**

FRIDAY, JANUARY 27

8 p.m. Department of Music Faculty Voice Recital, Irene Guhrud, soprano soloist and WU artist-in-residence, and Martin Katz, piano accompanist. The program will include arias by Handel; four songs from Goethe's "Nur wer die Sehnsucht Kennt" by Schubert; Schumann, Wolf and Tchaikovsky; songs by Vaughan Williams and Warlock; and "Chants de Terre et de Ciel," by Messiaen. Graham Chapel. Cosponsored by Concerned Jews.

SATURDAY, JANUARY 28

2 p.m. Department of Music Jazz Workshop, with tenor saxophonist Sonny Rollins. Tietgens Rehearsal Hall, 6500 Forsyth. Admission $1.

8 p.m. Jazz Weekend Concert, Sonny Rollins, tenor saxophonist and his ensemble. Edison Theatre. Advance tickets $3.50. $4.50 for WU students with SU card. Admission $6.50 for all at the door. A limited number of tickets may still be available at Edison Theatre Box Office, Streetside Records in U. City and Webster Groves and Joe's Music No. 3. Sponsored by Jazz on Campus.

**SUNDAY, JANUARY 29**

8 p.m. Music at Edison Series, Anton Kuerti, piano soloist. The program will include "Sonatine No. 25 in G Major, Op. 79" and "Sonata No. 29 in B Flat Major, Op. 106" (Hammerklavier), by Beethoven; "Canon" and "Folk Melody" (from Op. 38) and "Butterfly" (from Op. 43), by Grieg; "Scherzo a Capriccio in F minor," by Mendelssohn; and "Twelve Etudes, Op. 8" by Scriabin. Edison Theatre. Admission $4.80; $3.75 for students not from WU and WU faculty and staff; $2 for WU students. Tickets available at Edison Theatre Box Office.

**MONDAY, JANUARY 30**

8 p.m. Jazz Weekend Concert, Chuck Mangione, trumpet and flugelhorn player and his quartet. Edison Theatre. Admission $5.50; $4.50 for all students with school ID. A limited number of tickets may still be available at Edison Theatre Box Office and Streetside Records in U. City and Webster Groves. ***Please Note: Seats will be reserved for all holders of tickets for the previously scheduled Mangione appearance at Kiel Auditorium. A refund equaling the difference between prices will be awarded at the door.

**WEDNESDAY, FEBRUARY 1**

8 p.m. Department of Music Band Concert, directed by Dan Presgrave. Graham Chapel.

**EXHIBITIONS**

"Locks From Iran: Pre-Islamic to the 20th Century," a unique exhibition of 463 locks from Iran surveying over 20 centuries of lock making. WU Gallery of Art, Steinberg Hall, upper level 9 a.m.-5 p.m., Mon.-Fri.; 1-5 p.m., Sat. and Sun. Through February 12. Cosponsored by the Central Hardware Co.

"Selections from WU Collections," an exhibit of cubist works featuring the recently acquired "La Cheval," by Raymond Duchamp-Villon. WU Gallery of Art, Steinberg Hall, lower level. 9 a.m.-5 p.m. Mon.-Fri.; 1-5 p.m., Sat. and Sun. Through Feb. 12.

"Washington University: Windows to the World," an exhibit highlighting the extensive WU collection of foreign language volumes and periodicals. Also included are hand-crafted items loaned or given to WU by foreign students. Cosponsored by the International Office. Olin Library, level three. 8 a.m.-12 midnight daily. Through Feb. 10.

"The Understanding Eye: Stanley Morison, Typographer." Rare Book Room, level five, Olin Library. 8:30 a.m.-5 p.m., Mon.-Fri. Through Jan. 31.

**FILMS**

FRIDAY, JANUARY 27

7:30 and 9:30 p.m. WU Filmboard Series, "Silent Movie." Brown Hall Theatre. Admission $1.50. (Also Sat., Jan. 28, same times, Brown; and Sun., Jan. 29, 8 p.m., Wohl Center.)

8 p.m. WU Film Art Series, "Children of Paradise." French with English subtitles. Rebstock Auditorium. Admission $1.75; $1 for WU students. (Also Sun., Jan. 29, 2 p.m., Rebstock.)


SATURDAY, JANUARY 28


SUNDAY, JANUARY 29

8 p.m. Office of Student Affairs Double Feature, "Liberated Lady" and "Nothing Sacred." Rebstock Auditorium. Admission $1.

**SPORTS**

FRIDAY, JANUARY 27

7 p.m. Men's and Women's Swimming, WU vs. William Jewel College, Liberty, Mo. Wilson Pool.

8 p.m. Wrestling, WU vs. Rose Hulman College. Francis Field House.