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RECORD

Vol. 9 No. 1/Sept. 1, 1983



The sounds of cheering fans at intramural sports games gave way this summer to the sounds of tractors leveling the IM field for the relocated baseball field.

'Sportswork'

Athletic programs continue during new facilities construction

The construction of the new \$13 million athletic complex, which began last March and which is scheduled for completion in late August 1984, continues on schedule. Despite the progress, the WU community will have limited access to on-campus athletic facilities for the next 12 months.

As a result, both structured and unstructured programs, along with individual recreational users, will be required to use alternate facilities on and off campus.

Varsity teams most affected will be men's soccer, men's and women's basketball, men's and women's swimming, men's and women's track, men's and women's tennis and wrestling.

Swimming practice and competition have been moved to Forest Park Community College on a rental basis,

while the men's and women's cage teams will use both the Women's Building Gym and Francis Gym, with the latter already renovated for home games. Spectator room will be limited to between 250 and 300.

Soccer, which normally uses the outfield area of Utz Baseball Field, will relocate to either the all-purpose field adjacent to the Law School, or the west end of Francis Field.

The men's and women's track teams will utilize local high school tracks.

Meanwhile, the men's and women's tennis teams will have to tighten up their schedules because one court has been lost to construction, leaving eight remaining. To avoid distraction from the noise and dust of construction, home matches will start later in the day.

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Assembly lecturers include Ciardi, Milosz

The 1980 Nobel Laureate in Literature, Czeslaw Milosz, historian William Appleman Williams and poet John Ciardi are just a few of the featured speakers in the fall schedule of Assembly Series lectures.

Milosz, the Polish-born poet, critic, essayist, novelist and translator, will open the series with a reading and commentary on Wednesday, Sept. 7. (See story page 6.)

All but two of the fall lectures will begin at 11 a.m. in Graham Chapel, and all are free and open to the public.

Milosz's most widely recognized work is *The Captive Mind*, a collection of essays. His creativity, however, is said to be best expressed in his poetry.

Author Peter Matthiessen, who received the National Book Award in 1978 for *The Snow Leopard*, will speak on "The Spirit of Crazy Horse" at 4 p.m. Monday, Sept. 12, in Hearst Lounge.

Matthiessen is the author of five novels and many works of nonfiction. His most recent book, *In the Spirit of Crazy Horse*, was released

last winter by Viking Press.

On Wednesday, Sept. 14, William Appleman Williams, professor of history at Oregon State University and former president of the Organization of American Historians, will speak on "The Comparative History of Intercontinental Missiles: The United States and the Uses of Global Power."

Williams is the author of a number of pioneering works in revisionist history, including *The Tragedy of American Diplomacy*, *Contours of American History*, *Roots of the Modern American Empire* and *Empire as a Way of Life*. Williams will give a second lecture Sept. 14, at 4 p.m. in Brown Hall Lounge. He will speak on "The Logic of Quagmires: Comparing Vietnam and Central America."

Sir Robert Megarry, vice chancellor of the Royal Courts of Justice of Great Britain, will deliver the Tyrrell Williams Lecture on Wednesday, Sept. 21. Megarry will contrast English and American judicial systems during his lecture, titled "Litigation in England Today: Beneath the Surface."

continued on p. 6

Scholarship established to honor Florence Moog

Florence E. Moog, Charles Rebstock Professor of Biology at Washington University, will be honored with the establishment of an endowed scholarship in her name.

A committee of former students, colleagues and friends has announced plans for a fund-raising campaign to endow the scholarship. "Professor Moog has taught nearly every pre-medical student to graduate from Washington University in the last several decades. She has had a very special influence on all of us," said John F. Porterfield, pathologist and chairman of the fund drive.

Chancellor William H. Danforth, in a communication to the group, said that "Florence Moog is a most unusual scholar and teacher. She has brought much credit to the University, as well as to herself, during her many years of dedicated teaching and research. We are grateful that her former students and friends have decided to recognize her influence on their lives and careers."

Moog received her undergraduate degree from New York University and AM and PhD degrees from Columbia University. She came to WU in 1942 as a research associate in zoology.

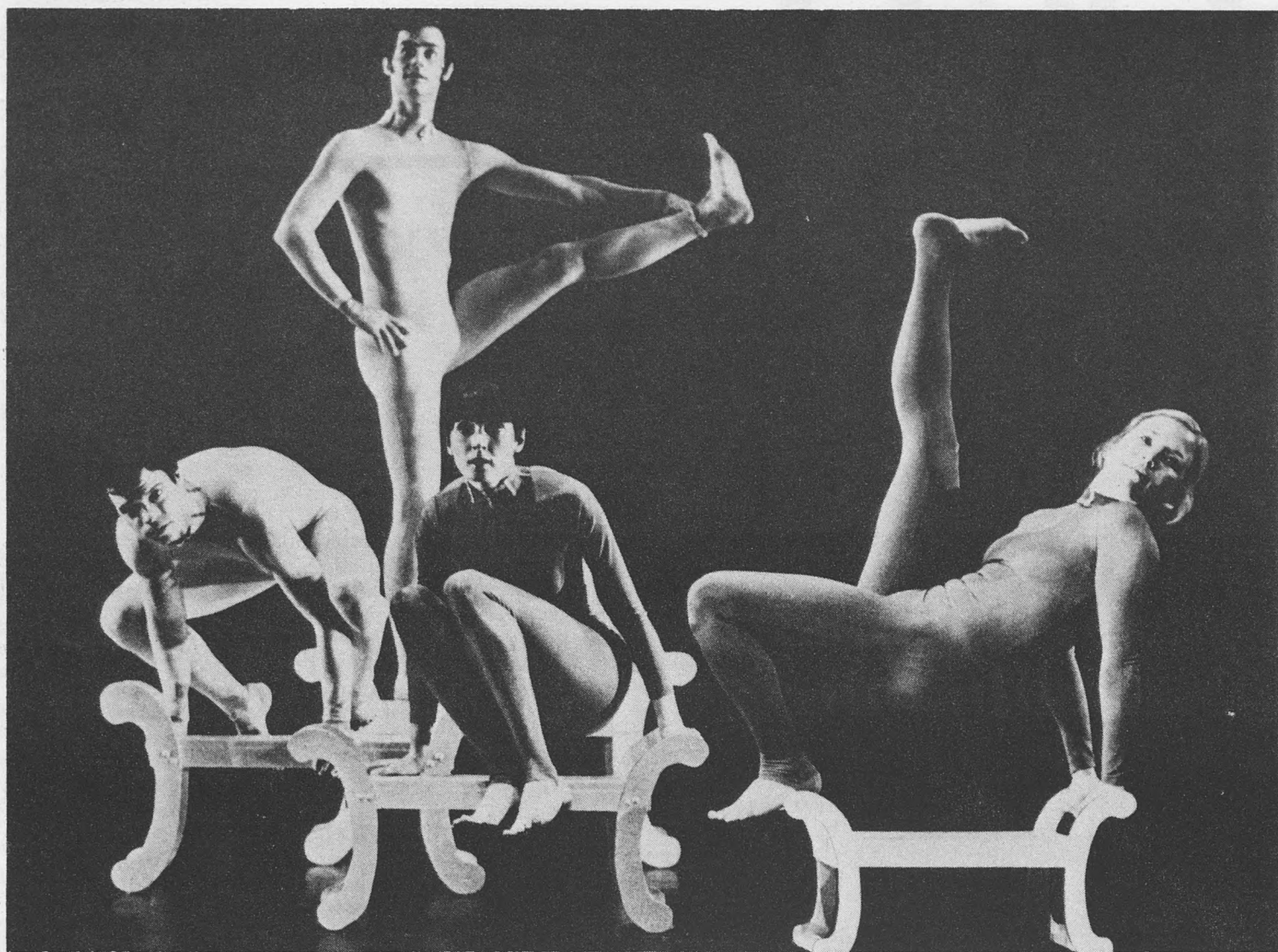
She has taught undergraduate and graduate students in the physiological and biochemical aspects of vertebrate development and has developed courses on comparative anatomy and embryology for pre-medical students, for which she has

received national recognition.

The members of the committee are: Marilyn E. Etzler, professor of biochemistry-biophysics, University of California-Davis; Robert D. Grey, professor of zoology, University of California-Davis; Thomas S. Hall, WU professor emeritus of biology and history of science; Marilyn Krukowski, WU associate professor of biology (coordinator); Robert C. Packman, WU associate professor of clinical medicine; Jeffrey Reiss, president, Cable Health Network; and Howard A. Schneiderman, senior vice president for research and development, The Monsanto Company.



Florence E. Moog



The Mimi Garrard Dance Company promises an uncommon theatrical experience in the utilization of computer-controlled lighting system programmed by the dancers' bodies.

Music, dance, drama productions highlight Edison's 10th season

For the past several years, Edison Theatre has achieved recognition for offering a cornucopia of both professionally- and student-produced music, dance and drama. The Edison stage, which celebrates its 10th anniversary this year, will continue this tradition by hosting a number of exciting productions as varied as the seasons they encompass.

On Saturday, Sept. 3, the house lights will dim for the Facets Performance Ensemble, a unique, Chicago-based theatre troupe, that will perform "The Book of Lear," an adaptation of Shakespeare's "King Lear." In order to examine the theatre piece's central theme depicting a tribe's isolated and fragmented path, the members of the ensemble spent 40 days and nights living and working in the Sahara Desert of southern Tunisia.

The Mimi Garrard Dance Company, slated for Sept. 23 and 24, promises an uncommon theatrical experience as well. Adding a new dimension to the choreographic process, the company utilizes a computer-controlled lighting system programmed by the dancers' bodies. Garrard's artistic experimentation has been recognized for both its artistic merit and technological innovation.

Washington University will contribute its talents to the fall playbill in featuring pianist Seth Carlin, WU associate professor of music, and the Performing Arts Area enacting "Lysistrata." Seth Carlin and Friends will perform works by Mozart, Bartok and Messiaen on Sept. 25. Blending talents with Carlin will be St. Louis Symphony members Jacques Israelie-

vitch, violin; George Silfies, clarinet; and Savely Schuster, cello.

Diana Lee, WU assistant professor of drama, will direct "Lysistrata," an original adaptation of Aristophanes' provocative and timeless comedy. The production will be performed two weekends, Oct. 14-16 and 21-23.

Edison seems to offer a little of something for everyone, and opera lovers are no exception. Stellar sopranos performing in September include the duo of Evelyn Petros and Marianna Christos on the 17th. Both divas have performed for several seasons in St. Louis with the Opera Theatre.

A springtime concert slated for April 7 will usher in soprano Benita

Valente, who returns to St. Louis at the height of her career.

Devotees of *opera comique* will delight in the Kansas City Lyric Opera's presentation of Offenbach's "La Perichole," scheduled for Saturday, Oct. 29. Elisabeth Soderstrom, soprano star of the Vienna State Opera, will make her St. Louis debut on Sunday, Nov. 6.

On Nov. 18, WU Artist-In-Residence, Mezzo-Soprano Mary Henderson will sing the works of Mozart, Brahms and Ravel. Henderson is to be accompanied by Karen Laubengayer, WU graduate student, on piano.

The 1983-84 season will not pass without a touch of nostalgia. The ANTA Company, a new group form-

ed mainly from finalists in the American College Theatre Festival, will present a spoof of memorable movies from the 30s and 40s. The parodies stem from an assortment of Hollywood genres and will be presented Nov. 12.

Our own WU students pay tribute to one of America's greatest playwrights on the first anniversary of his death. The Performing Arts Area will incorporate major selections from Tennessee Williams' plays, poetry and letters in "Flowers for the Dead." The production, scheduled to run March 22-25, will be adapted and staged by Herbert E. Metz, WU associate professor of drama.

Additional theatre pieces to be staged at Edison include "The Cradle Will Rock" and "Pericles," slated for Dec. 2 and 3 respectively, and performed by The Acting Company. "The Cradle Will Rock" gained popularity as a pro-union musical play incorporating a provocative theme. The piece will be directed by its original producer, John Houseman.

The Elizabethan text of Shakespeare's "Pericles" undergoes major surgery by The Acting Company, who also manages to parallel much of the bard's intent. The comedy is set in the glass cages of an insane asylum and comes complete with an assortment of zany characterizations.

As dance has always drawn a warm welcome at Edison Theatre, three troupes highlight the second portion of the season's attractions. On Feb. 3 and 4, Bill Evans and Greg Lizenbery will perform a concert of solos and duets designed to depict their contrasting styles and idioms.

The following weekend features the Jose Limon Dance Company on both Friday and Saturday evenings. Described in the words of the *New York Daily News*, "... the Limon are a company of great dancers that should on no account be missed." Both the Garrard and Limon companies are cosponsored by Dance St. Louis.

The St. Louis Repertory Dancers, the professional company in residence at WU, constitutes the final dance concert of this year's program. Under the artistic direction of Annelise Mertz, WU professor of dance, the company has become recognized for its faculty choreographers, performers and guest artists.

Edison's concluding event for the 1983-84 season will showcase the University's talents in "The Masters Wrote Jazz II." Pianists Leo Smit and Steven Radecke will perform with the WU Wind Ensemble under the direction of Dan Presgrave, instrumental music coordinator in WU's music department.

Curtain time for all productions is 8 p.m., unless otherwise stated. Tickets for the two Performing Arts Area productions cost \$4 for general admission and \$3 for the WU faculty, staff and area students.

General admission for music, dance and other theatre events is \$8; WU faculty and staff admission is \$5; WU student tickets cost \$4; all other students will be charged \$5.

Dance and music series subscriptions are available, as are season passes for WU students. For more information, call the box office at 889-6543.



Marianna Christos



Evelyn Petros

1909 student handbook: a look back in time

"Greetings. We take great pleasure in welcoming you, New Friend and Old Friend returned, to the duties and pleasures of Washington. May this year witness great mental, moral and physical development in yourself as you struggle on toward whatever noble ambition has brought you to these gates. Pralma."

This cordial introduction to the WU campus was extracted from *The Students' Handbook of Washington University 1909-10*. Written and published by Pralma, a select senior society whose members were chosen for their "loyalty" to the University, the handbook was required reading for all new students. It served not only as a useful guide to the University's faculty, buildings, student organizations and social events, but it was also the official harbinger of *The Ten University Rules*.

"Freshmen are urged to study carefully the Rules presented below," warned the handbook, "and to obey them to the letter. By so doing they will not only gain the respect of their fellows in other classes, but will save themselves a great deal of annoyance. Bumptiousness and disobedience with regard to these Rules can result only in corrective measures."

By order of the senior class, the ten rules prohibited the freshman class from smoking pipes on the University grounds, loitering in the archway of University Hall (now Brookings), or wearing badges, buttons or pins. Freshmen were not allowed to sprout mustaches or sideburns, but were obliged to wear a cap "of gray cloth with a cherry red button" until after the Christmas holidays.

Segregation, by class standing, was the order of the day. The stone wall bounding the southwest corner of the quadrangle was designated the freshman wall. They were allotted special seating in the rear of the chapel at all special chapel exercises. Only juniors and seniors were allowed to "frequent" the steps and arcade of Library Hall (now Ridgley), and only seniors were allowed to loiter on the steps of University Hall.

And finally, the freshmen were given use of a special locker room in the "northeast corner of the basement." The rules do not specify in which basement these lockers were to be found, but it was still a basement.

Social events, customs and traditions were also described in length in the handbook. Every Saturday morning, for example, WU students attended Moot Court to "afford practice in solving questions of law." Then there was the Freshman Dance, the Junior Prom, the Athletic Association Smoker, the Annual Play, the Annual Bonfire, Field Day, Fraternity Baseball and the Surkuss. The Surkuss still exists, but is now known as Thurtene Carnival.

Just before Christmas vacation, the campus became the scene of a great battle for supremacy between the two lower classes. The rules of the Freshman and Sophomore Numeral Battle were simple: Sopho-

mores had to have their flag up by 6 a.m. in such a place that the numerals on their flag could be seen from the University campus. The freshmen had to lower the flag before 9 a.m. Regardless of the outcome of the battle, the freshman class honored the sophomore class in the spring at the Freshman-Sophomore Love Fest. The object of the fest, according to the handbook, was "to bury the hatchet" of their rivalry.

"There are many other customs and traditions which are too sacred to be described in a book for general distribution," stated the handbook. "These will be imparted individually to the Freshmen and other new students at the proper time, under fitting surroundings, and according to ancient rituals. Let the uninitiated take due notice and be governed accordingly!"

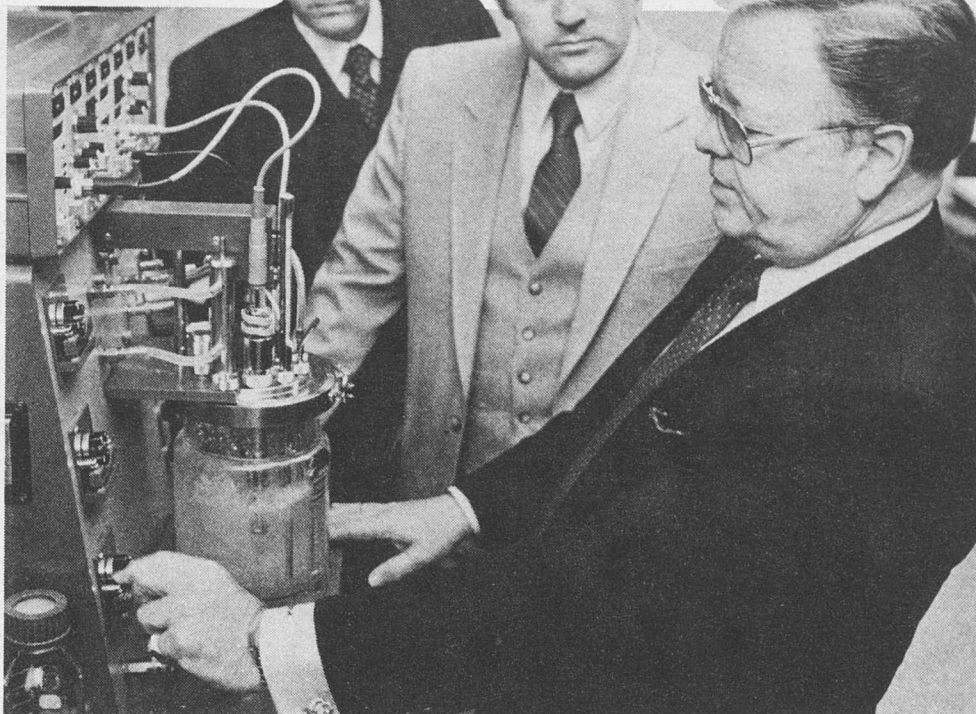
"Uninitiated" freshmen must have viewed the campus the same way an explorer views an unexplored continent, with a mixture of fear and excitement. Many of the ancient rituals spoken of in the handbook were performed by the four secret societies which flourished on the campus at the time. Each year, 11 members of the freshman class were inducted into the "Obelisk." The sophomores had the "Lock and Chain" and the juniors formed "Thurtene." The only secret society for women was "W.A.G."

Both food and lodging were provided to students at various prices. For the hefty sum of \$60 per annum, a male student could rent a single dormitory room. Furniture for the room, however, was \$10 extra. A single room for a woman student was also \$60 per annum, but furniture was not available and a special charge was added for electric lighting. Breakfast and supper cost \$3.50 per week, or 35 cents for individual meals. Lunch was served a la carte.

A yearly subscription to *Student Life*, the "peerless paper," was \$1.50. If a student needed to phone home for a little extra cash, they could use the one and only telephone the University owned, which hung from the wall in the chancellor's office, between 1-2 p.m. and after 5 p.m.

For the WU student of 1909, the student handbook listed everything that was necessary for orientation. Today, the University is far more complicated and, therefore, needs several books to explain the rules and procedures of housing, University services, entertainment and academic requirements. Two of the best books available to new students are the Housing Guide, published by and available at the Housing Office, and *Bearings*, a guide to University services, available at the Residential Life Center. Both the Housing Office and the Residential Life Center are located in Wohl Center in the South-40.

Fortunately for today's freshmen, the mandatory gray caps with cherry red buttons have long since disappeared from the campus.



This two-liter, state-of-the-art fermenter is for use by universities and research divisions in the food and beverage, agricultural, pharmaceutical and perfume industries. The American division of B. Braun Instruments, the world's oldest and largest manufacturer of fermentation equipment, donated the machine recently to the Center for Biotechnology. Pictured are Eric H. Dunlop, (center) WU professor of chemical engineering and biotechnology, and David Masters (left) and H. Lon Henry, both of Braun's American organization, which is headquartered in Burlingame, Calif.

Fermenter donated to biotechnology center

A state-of-the-art fermenter for growing bacteria and for exploring new fermentation techniques was donated to WU by B. Braun Instruments of Burlingame, Calif., the American division of the world's oldest and largest manufacturer of fermentation equipment.

The machine, a two-liter research model called Biostat M, was awarded to the University's year-old Center for Biotechnology. Under the direction of Eric H. Dunlop, professor of chemical engineering and biotechnology, researchers will use the equipment to "scale up" bacteria, in-

cluding genetically engineered organisms, from laboratory experiments to larger amounts.

The fermenter comes with a digital display control unit which regulates acidity, oxygen, temperature, foam fermentation and mixing speed. The machine can be interfaced with a computer which handles data acquisition and processing. According to Dunlop, fermentation is an integral process for many industries, including food and beverage, agriculture, pharmaceutical, and perfume businesses.

Presenting the equipment were H. Lon Henry, vice president of B. Braun Instruments' American organization, and David Masters, national sales manager. Braun's world headquarters are in Melsungen, West Germany.

Student activities adds two staffers

The Office of Student Activities has two new staff members this fall, according to Justin X. Carroll, director of the office. They are Greg Giesen and Sara Sugerman.

Giesen will serve as coordinator of student activities with responsibilities for Mallinckrodt Center programming, game room operations, and advising major campus entertainment committees such as Filmboard and the Gargoyle committee. He will also coordinate the campus audio-visual service. Giesen was freshman advisor and an alcohol resource consultant at Miami University, Ohio.

Sugerman will also serve as coordinator of student activities and will advise a variety of student organizations including the Women's Programming Board, *Hatchbet* yearbook, the sophomore commission and the blood drive committee. She will also manage the Women's Resource Center. Since January, Sugerman has served as senior researcher in WU's Development Services.

Other staff members in the Office of Student Activities include: Adrienne Glone, associate director; Nancy Donovan, coordinator of student activities; and Claude Remy, evening program assistant.

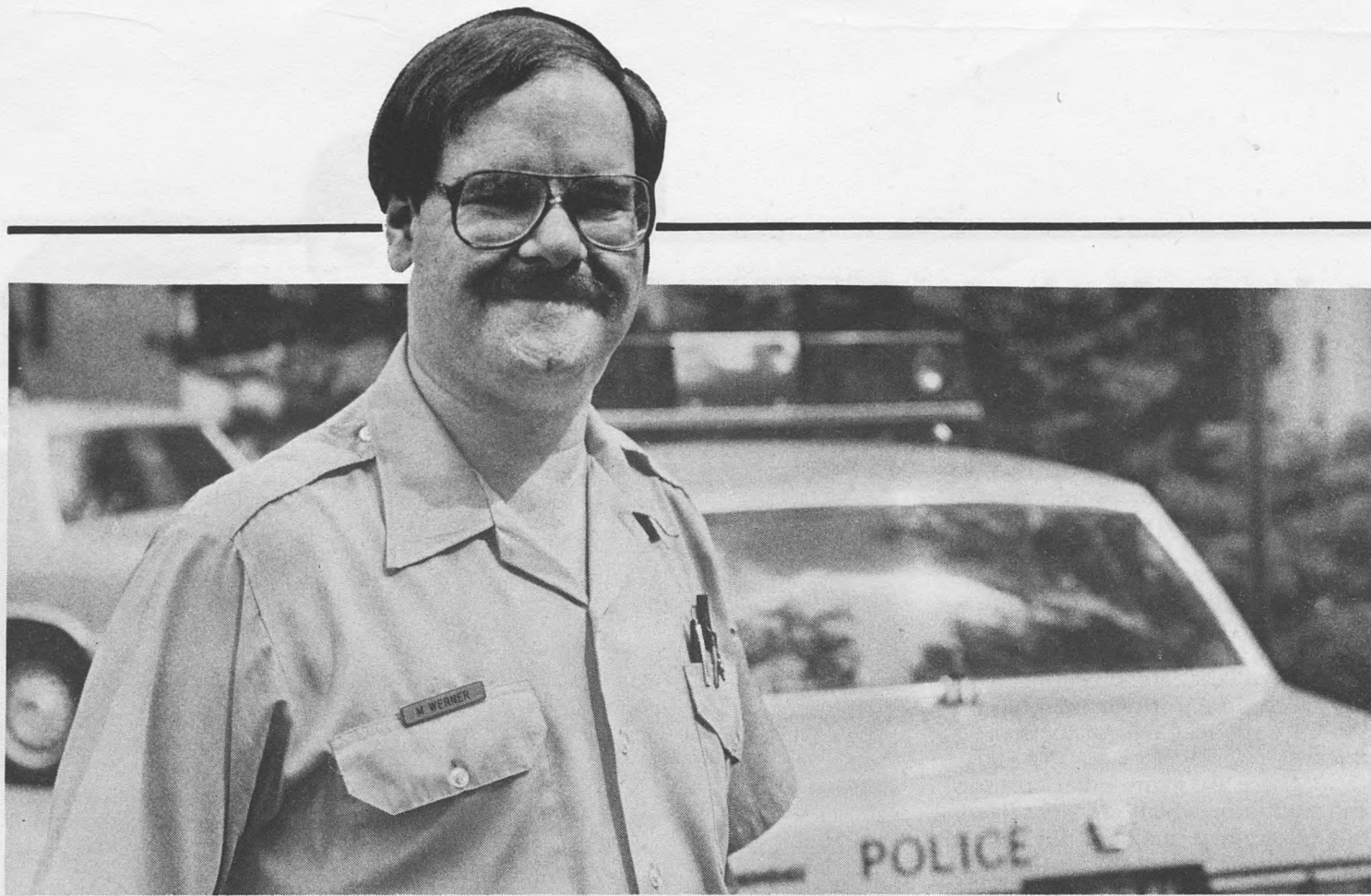


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Mark J. Werner, a campus police officer, will receive the Chief's Commendation award from the Board of Governors of the Law Enforcement Officials of Greater St. Louis for his life-saving act.

WU police officer's quick action helps save professor's life

During the summer months, night duty for WU police officer Mark J. Werner is usually quiet and uneventful. But June 11 was anything but uneventful.

It was 9:55 p.m., two hours before his eight-hour shift ended. Werner, having just completed a patrol of the South-40 dormitory area, had turned north on Big Bend Boulevard when he heard over the police car radio that a man was having "breathing distress" in front of Eliot Residence Hall.

The man was Donald C. Shreffler, head of the Department of Genetics and James S. McDonnell Professor of Genetics. Shreffler and his wife had left Eliot Residence Hall where they had been socializing with visiting scientists, and were in their car ready to leave the South-40 when Shreffler suffered a cardiac arrest.

Werner, who made a quick U-turn in his patrol car and was at Shreffler's car within 30 seconds, said, "When I arrived, he was unconscious, had very little pulse and had stopped breathing. I immediately placed him on his back, cleared his airway and started mouth-to-mouth resuscitation.

In the meantime, a WU police dispatcher had notified the Clayton Fire Department and an ambulance was on the way. Because Werner heard the ambulance sirens in the distance, he didn't start chest compression maneuvers, which, along with mouth-to-mouth, are the Red Cross cardio-pulmonary resuscitation (CPR) techniques.

"I knew there was time before starting the closed chest massage and that the paramedics would have the proper equipment to monitor the heart," Werner said. "It was important for me just to keep the blood oxygenated."

The paramedics arrived within minutes and immediately took over for Werner. Within 15 minutes, Shreffler began breathing on his own and had regained a stable pulse. After a month-long stay in the hospital, Shreffler is recovering at home and reporting into his office frequently.

Werner is proud that he was able to help save a life, but he doesn't consider himself a hero. "I saw what

I had to do and I did it. It's part of the business. It's what we're (police officers) here for."

Werner is probably one of the most qualified police officers in the St. Louis area to handle this kind of emergency. The 36-year-old police officer first learned a life-saving method in 1962 while a member of a youth group at Bishop DuBourg High School.

At that time, the life-saving method he learned, which had been approved by the Red Cross, was referred to as the Homer Nielson back-pressure arm lift. He learned the current CPR method during his medical specialist training while serving in the Army from 1964 to 1967.

As a St. Louis county police officer for ten years, Werner had to be certified once a year in the use of CPR. He added to his CPR training when he left that police department and joined the Barnes Hospital security staff, where he had to be certified as an ambulance driver attendant.

Since becoming a member of WU's police department almost three years ago, Werner has been certified once again. As he says, "It's something that's been drilled into me for a long time."

Norman O. Schneider, director of the WU police department, felt Werner should be recognized for his "prompt action and professional and proper assessment of the situation." Schneider wrote a letter to the Board of Governors of the Law Enforcement Officials of Greater St. Louis recommending Werner for one of four awards the board confers periodically to police officers displaying outstanding performance.

Schneider's recommendation was enthusiastically received by the board. Werner will be awarded the Chief's Commendation during a special ceremony Sept. 2 at the St. Louis County Government Center.

"We feel that our police officers are all professionals and we expect the kind of performance that Werner displayed, but we are always especially pleased when everything turns out so well," Schneider said.

The Clayton police department also was pleased with Werner's quick

and professional action and sent him a letter thanking him for handling the situation.

And someone who is even more grateful for Werner's life-saving performance is Donald Shreffler.

"I am profoundly grateful to Officer Werner for his quick response and expert action, which almost certainly saved my life," Shreffler said. "We of the Washington University community can feel proud that our police department has such excellent, well-trained officers."

But for Werner, it's all in a day's work. "There's nothing to it," he said. "Anybody can learn CPR. It is definitely worth it to go through the training. It's a lifesaver."

Susan Killenberg

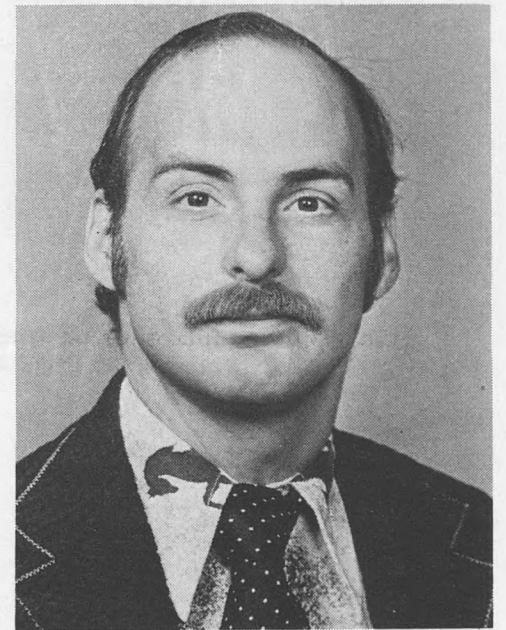
Gatti named head coach of men's track

Charles J. Gatti has been appointed WU's head men's track coach, announced John Schael, director of athletics. Gatti replaces Ken Henderson, who resigned, effective June 30.

Gatti has been on the WU coaching staff since 1976, when he became head men's cross country and assistant men's track coach. He was named head women's track coach and the University's first head women's cross country coach in 1979.

Gatti received an AA degree from Florissant Valley Community College in St. Louis in 1972, and a BA in physical education and social studies from Westminster College, Fulton, Mo. in 1974. He earned a masters degree in physical education from WU in 1977.

Gatti has coached 14 NCAA Division II national qualifiers and National Decathlon Champion Dave Bolton.



Charles J. Gatti

Department heads for arts and sciences, engineering named

Arts and Sciences:

Anthropology — Patty Jo Watson
 Art and Archaeology — Mark S. Weil
 Biology — Roy Curtiss III
 Black Studies — Jack A. Kirkland (acting director)
 Chemistry — William D. Phillips
 Chinese and Japanese — Robert E. Hegel (acting)
 Classics — Kevin B. Herbert
 Comparative Literature — W. Merritt Sale
 Earth and Planetary Sciences — Larry A. Haskin
 Economics — Wilhelm Neufeind
 Education — Alan R. Tom
 English — Daniel B. Shea
 Germanic Languages and Literatures — Paul M. Lutzeler
 History — Richard J. Walter
 Mathematics — Gary R. Jensen (acting)
 Music — Tilford Brooks
 Performing Arts — Joseph R. Roach Jr.
 Philosophy — Jerome P. Schiller
 Physical Education Program Committee — John M. Schael
 Physics — Richard E. Norberg
 Political Science — Lucius J. Barker
 Psychology — Ira J. Hirsh (acting)

Romance Languages — James F. Jones Jr.

Russian — Edgar H. Lehrman
 Sociology — David J. Pittman
 Speech and Hearing — Donald R. Calvert
 Urban Studies — Charles L. Leven
 International Studies — Stanley Specter
 Institute for Urban and Regional Studies — Charles L. Leven

Engineering:

Chemical Engineering — Rodolphe L. Motard
 Civil Engineering — Phillip L. Gould
 Computer Science — Jerome R. Cox Jr.
 Electrical Engineering — Donald L. Snyder
 Mechanical Engineering — David A. Peters
 Systems Science and Mathematics — John Zaborszky
 Technology and Human Affairs — William P. Darby (acting)
 Biomedical Engineering Program — Harold W. Shipton
 Materials Science and Engineering — John L. Kardos

Preemie brain injuries

Ultrasound reveals hidden dangers

Medical advances in the treatment of respiratory illness now enables most premature babies to claim victory over what had been their nemesis: suffocation due to immature lungs.

But physicians and parents were given precious little time to celebrate the victory before another threat to premature babies surfaced. The new nemesis is even more insidious than the respiratory distress that used to claim scores of lives in intensive care nurseries nationwide.

Using modern portable ultrasound imaging, a physician at St. Louis Children's Hospital has shown that 4 out of every 10 tiny premature babies fall victim to a serious brain injury during their first few weeks of life. The injury occurs when blood mysteriously leaks from a vessel in the infant's head, exerting flooding pressure on vital brain tissue and causing some parts of the brain to swell with backed-up fluid.

"The results of this study have shown us that the frequency of this type of injury is much greater than we expected," says Joseph J. Volpe, director of pediatric neurology at Children's Hospital and Stein Professor of Developmental Neurology at WU's School of Medicine. Volpe found the potentially life-threatening hemorrhages in 173 of the 460 infants he examined.

"We are forced now to drastically change the way we evaluate small premature babies. Because of this study, we're faced with a new challenge," continues Volpe. "Although we are keeping these babies alive, are we going to keep them alive at the price of disturbing their quality of life?"

Volpe's study of 460 premature babies weighing as little as 30 ounces is the largest study of its kind ever reported. It was published in a recent issue of *Annals of Neurology*.

"We did an ultrasound scan on every single premature infant in the neonatal intensive care unit and found that, regardless of how sick the babies looked, 40 percent of them had a hemorrhage. The baby with a hemorrhage may not look any different to the doctor than the baby who does not have a hemorrhage. Yet in most cases the injury is serious enough that it could cause brain damage and compromise quality of life," says Volpe.

Studies conducted as early as 1978 and 1979 hinted that physicians were underestimating the frequency of brain hemorrhages among very low-birth-weight infants. These small, earlier studies used X-ray CAT scanning as the method of "photographing" an infant's brain. But a large study involving CAT scanners presented problems. Such a study would require moving fragile infants back-and-forth from the intensive care unit to the CAT scanner — a significant distance in most hospitals.



Joseph J. Volpe, Stein Professor of Developmental Neurology at WU School of Medicine (foreground), watches the ultrasound screen for a tell-tale blotch of white that indicated a hemorrhage. The wand-like transducer is placed across the surface of the infant's anterior fontanelle, or soft spot, which serves as a bone-free window into the brain.

Premature babies often need the assistance of a respirator to breathe and must be kept in an environment where temperature can be controlled. Transporting an infant to the CAT scanner was risky business.

Modern ultrasound technology and the peculiar anatomy of the infant provided Volpe with the conditions he needed to conduct safe, serial exams. The baby's anterior fontanelle — the "soft spot" at the crown of the head — served as a bone-free window through which inaudible sound waves could peer into the brain.

The physician simply places a wand-like transducer across the surface of the infant's anterior fontanelle, and an image appears immediately on a video screen at the bedside. While the images may be indistinguishable to the untrained eye, to the experienced ultrasonographer a tell-tale blotch of white against the grey image background probably means a hemorrhage has occurred.

With ultrasound technology, researchers were free to take pictures of all the babies in the nursery on a regular, frequent basis without moving the infants. Additional images could be obtained whenever doctors or nurses had an inkling that something may have changed regarding the condition of any particular infant.

"What we're concentrating on now," says Volpe, "is trying to use ultrasound to define the causes of

hemorrhages." He and co-workers have reviewed the associations between hemorrhages and several other maladies common among low-birth-weight infants, including seizures and collapsed lungs. The associations are so strong that physicians have been forced to change the way they care for the infants in many cases.

Previously doctors did not aggressively treat infants that had mild seizures, fearing that strong medication might do more harm than good. "Now, because ultrasound scans have shown that even minor seizure events may cause a serious hemorrhage — or make an existing hemorrhage worse — we are recommending that doctors treat all seizures aggressively and immediately," says Volpe.

Suspicious about the effect of lung collapse were also resolved by serial ultrasound scans. In a study of 80 premature infants published last year, Volpe reported that every baby with a collapsed lung subsequently had a brain hemorrhage, even if the lung complication was of short duration. Doctors have now changed the way they ventilate these babies in an attempt to avoid this complication and decrease the incidence of hemorrhage.

Rapidly fluctuating blood pressure seems to be the culprit behind the effects of both seizures and lung

collapse. In the premature infant, slight changes in blood pressure seem to be "telegraphed" to the fragile, immature capillaries that branch out in the center of the brain.

"Just handling these infants, moving them for routine care and treatment or picking them up, causes these fluctuations in blood pressure," says Volpe. It is ironic to consider that the hugs and cuddling that are such an important part of the bonding that occurs between full-term infants and its parents might, in a tiny premature baby, cause brain injuries that compromise the infant's quality of life.

Scientifically sound evidence of a cause-effect relationship and revelations about probable mechanisms of action are usually comforting for researchers. Although Volpe says he is pleased at the progress of the research, some of the findings are rather ominous.

"There must be other factors causing hemorrhages, too," he reasons. "I think we'll be as surprised by some future findings as we were when ultrasound tests showed us that 4 or 5 out of every 10 of these infants have a brain hemorrhage."

Don Clayton

Labor negotiator named

C. Raymond Grebey Jr., one of the nation's most respected labor negotiators, has joined the faculty of the WU School of Business and Public Administration.

Grebey, director of the Major League Baseball Players' Relations Committee from 1978 to 1983, will serve as executive in residence during the coming year, announced Robert L. Virgil Jr., dean of the business school.

Grebey's entire career has involved labor relations and negotiations. Before entering baseball, he was chief negotiator for the General Electric Company Corporate Headquarters in Fairfield, Conn. Prior to that, he served as an industrial relations specialist for Inland Steel Company.

At WU, he will teach economics of bargaining and interact with the

faculty and corporate community on various research projects. His principal interests at the business school will be collective bargaining in industry, including its role in the next decade and how it can become more effective.



C. Raymond Grebey Jr.

Assembly Series—continued from p. 1

Mary McCarthy, a member of the National Institute of Arts and Letters and author of over a dozen books, including *The Group, Ideas and the Novel, and Cannibals and Missionaries*, will give a reading and commentary on Wednesday, Sept. 28.

Henry Steele Commager, John Woodruff Simpson Lecturer at Amherst College, will speak at the Fall Honors Assembly Wednesday, Oct. 5. A member of the National Academy of Arts and Letters since 1966, Commager was awarded the Academy's Gold Medal for History in 1972. His publications include *Growth of the American Republic, Britain Through American Eyes, and The Empire Reason*.

Poet, essayist and translator John Ciardi will speak on "The Unknown American Language (And How It Grew)" Wednesday, Oct. 12. Ciardi has published over 14 books of poetry, including *How Does a Poem Mean?*, a widely used college text. He does a weekly radio feature, "A Word In Your Ear," for National Public Radio.

Feminist author and poet Robin Morgan will speak on "Sisterhood and the Women's Revolution" Wednesday, Oct. 19. In 1970, Morgan compiled and edited *Sisterhood is Powerful*, the first comprehensive anthology of writings from the Women's Movement.

Also on Wednesday, Oct. 19, the Alice M. Goodman Memorial Lecture will be delivered at 4 p.m. by Huston Smith, Hanna Professor of Philosophy at Hamline University. Smith's book on world religions, *The Religions of Man*, has sold over two million copies. Smith will speak on "Richer by Asia" in Graham Chapel.

Other books of Smith include *Condemned to Meaning, Forgotten*

Truth: The Primordial Tradition and Beyond the Post-Modern Mind.

Daniel B. Shea, professor of English and chairman of the English department at WU, will speak on "Mark Twain and the Loss of 'Hello Central,'" Wednesday, Oct. 26. Shea, who joined the University faculty in 1962, has a special interest in colonial American literature and the Puritan influence in American literature.

The Olin Conference will be delivered Wednesday, Nov. 2, by Virginia Weldon, deputy vice chancellor for medical affairs and professor of pediatrics at WU's School of Medicine. Weldon, who is also vice president of the WU Medical Center and is on the staffs of the Barnes and St. Louis Children's hospitals, will speak on "Out of the Temple and into the Market Place: Changing Perspectives in Medicine."

Elie Abel, Harry and Norman Chandler Professor of Communication and chairman of the Department of Communication at Stanford University, will deliver the James S. McDonnell Lecture for Youth Thursday, Nov. 17. Former dean of the Graduate School of Journalism at Columbia University, Abel has had a distinguished career in journalism as a reporter, broadcaster and educator.

Abel received the George Foster Peabody Award for outstanding radio news in 1968 and the Overseas Press Club Award for best interpretation of foreign news in 1969. Author of several books, including *The Missile Crisis*, Abel will speak on "Global Information: The New Battleground."

Three other Assembly Series lectures are scheduled for Nov. 9, Nov. 16 and Nov. 30. Speakers for those dates will be announced later. For more information, call 889-5285.

Polish poet opens 83-84 lectures

Czeslaw Milosz, the Polish-born poet, essayist and novelist and winner of the 1980 Nobel Prize for Literature, will read selections of his work at 11 a.m. Wednesday, Sept. 7, in Graham Chapel.

His reading, which is free and open to the public, is the first scheduled lecture for the 1983 Fall Assembly Series.

Milosz, who was born in Lithuania in 1911, worked in Warsaw during World War II as a writer, editor and translator for Resistance publications. He joined the Polish Diplomatic Service after the war, but broke away from his homeland in 1951 and moved to France, where he continued to write and translate.

Author of *The Captive Mind*, a collection of essays, Milosz came to the United States in 1961 to teach Slavic languages and literature at the University of California, Berkeley. Now an American citizen, he remains at Berkeley as a tenured professor on leave. While continuing to write new poems, essays and novels, he also has been translating his earlier works from Polish to English.

The Nobel laureate was invited to visit Poland in 1981 and was presented with an honorary doctorate at the Catholic University in Lublin. While in Poland, he met with Solidarity Leader Lech Walesa, who Milosz considers "a remarkable man, a splendid leader."

In addition to *The Captive Mind*, his publications include *Visions from San Francisco Bay, Emperor of the Earth, The Seizure of Power, Selected Poems and Bells in Winter*.



Czeslaw Milosz

Designs tour Britain

Building and landscape designs by six architectural students at WU have been selected for an international exhibition currently touring major British cities.

The three designs by the six students, working in teams of two, are among 25 projects selected for the exhibition from 75 entries to a recent international competition to create an entertainment area in Regents Park, London. The contest was sponsored by the Royal Institute of British Architects and the British company, Wiggins Teape, and will run through December.

The WU exhibitors were all

members of an undergraduate design studio taught last spring by Janet Rothberg White, affiliate assistant professor of architecture. The teams were composed of: Raymond Chu of Chesterfield, Mo.; and Brad Eilerling of Belleville, Ill.; Jorge Lopez of Sarasota, Fla.; and Joanne Tall of New Haven, Mo.; and Silas Chiow of Maryland Heights, Mo., and Haden Smith of Columbia, Mo.

The exercise, according to organizers, was to create an area dubbed "Seventh Heaven," a place of "public luxury" where parkgoers could dine and musical performances and art exhibitions could be held.

Construction—continued from p. 1

The wrestling team is currently negotiating for space in the basement of Lee Dormitory, where the Judo Club has been practicing.

According to John Schael, director of athletics, no significant decrease in the quality of activities is anticipated. However, due to the shortage of space, adjustments will be made to accommodate programs.

"Physical education programs have been changed to reflect a realistic schedule based upon available space. Class schedules have been 'tightened up' and other classes have been relocated.

"The intramural sports program has adjusted the calendar of offerings in an attempt to lengthen the indoor sports seasons. The additional aspect of lighted, outdoor field space at a reduced total field area presents a new scheduling challenge for the IM staff," Schael emphasized.

"The open recreation enthusiast is perhaps the person that will have to make the greatest adjustment,"

Schael added. "This person is squeezed out by more formalized programming. Avenues are being explored at off-campus facilities to accommodate the recreational user."

Schael said an attempt also has been made to direct these users to local community agencies such as YMCAs, the Jewish Community Center and municipal recreation centers.

All of these changes have occurred under Schael's direction. When completed, Schael estimates that approximately 1,800 people will use the new athletic complex daily, compared to 600 or 700 prior to construction.

"We don't have to create interests — the interest is clearly there. What is needed is space to play," said Schael.

Schael strongly believes that the new complex is a necessity for attracting top quality students and faculty. It will be the best in the Midwest and will serve as a tremendous recruiting asset, he said.

NOTABLES

C. Robert Almli, associate professor of occupational therapy and of anatomy and neurobiology for the Psychology Neural Science Program, presented two talks and served on a panel at an international symposium on "Malnutrition and Higher Nervous System Function" held recently in Santiago, Chile.

Two of Almli's co-workers, **Dixie H. Sleight** and **Diane E. Ward**, both instructors in the School of Medicine's Program in Occupational Therapy, presented professional papers at the Annual Statewide Institute for Educators of the Severely and Profoundly Handicapped held in Chicago.

John H. Biggs, vice chancellor for administration and finance, was elected to the board of trustees of the Missouri Botanical Garden in June. Biggs, chairman of the board of Washington University Technology Associates (WUTA), is also vice president and treasurer of the St. Louis Arts and Education Fund and treasurer of the Country Day School Board. James S. McDonnell III, of the McDonnell Douglas Corporation, and a member of the board of the WU Medical Center, was also named to the board of trustees of the Missouri Botanical Gardens in June.

Tilford Brooks, associate professor of music and chairman of WU's music department, was recently reappointed to the Music Advisory Committee of the Missouri Arts Council for a second term. It is the function of this committee to advise the council in the review of proposals and recommend the level of funding for various cultural projects throughout the state.

John K. Gohagan, associate professor in engineering and applied science and in preventive medicine, has been elected to a fellowship in the American College of Epidemiology. Since 1976, Gohagan has focused his work on early detection of breast and cervical cancer.

Kathleen M. Haralson, a physical therapist at the Irene Walter Johnson Institute of Rehabilitation, served as program committee chairperson for the 18th Annual Scientific Meeting of the Arthritis Health Professions Association (AHPA). The meeting was held recently in San Antonio, Texas, to advance further the quality of care and treatment for people with arthritis. Haralson was responsible for planning content of the scientific sessions and selections of abstracts for presentation. The AHPA is a 2,000 member society and a professional section of the Arthritis Foundation.

Hollis Huston, artist in-residence in the drama department of WU's Performing Arts Area, attended the New York Festival of Clown Theatre for two weeks of performances and workshops in June. He later traveled to Milwaukee for an eight-week study of contemporary performance techniques taught by Herbert Blau at the Center for 20th-Century Studies. The seminar was supported by the National Endowment for the Humanities.

Stefanie Lenway, assistant professor of business and public policy, received the 1983 Social Issues in Management Award given by the Social Issues in Management Division of the Academy of Management for her dissertation, "The Politics of Protection, Expansion, and Escape: International Collaboration and Business Power in U.S. Foreign Trade Policy." The award, sponsored by Hilton Hotels, was presented to Lenway on Aug. 16 at the Academy of Management Convention in Dallas.

F. William Orrick, director of the University's telephone service, has been named to the long-range planning committee of the Association of College and University Telecommunications Administrators (ACUTA). The five-year appointment began July 27 at the association's annual conference held at the University of Colorado in Boulder. ACUTA is a professional association of voice and data communication administrators from more than 350 colleges and universities across the nation.

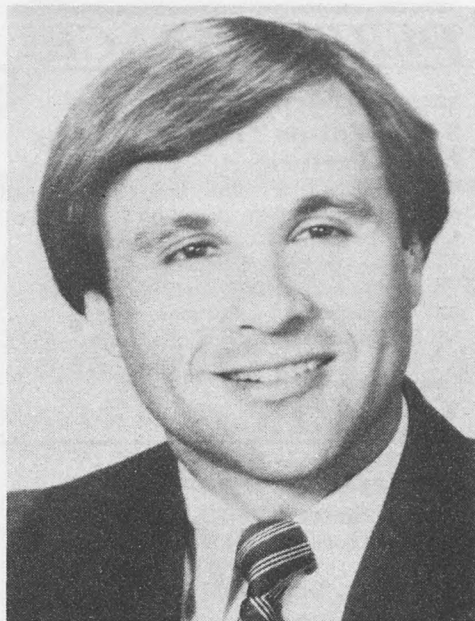
Silvia Pedraza-Bailey, assistant professor of sociology, was invited by the U.S. Information Service and the Dominican-American Cultural Institute to teach an intensive course on "Hispanic Immigration in the United States: Causes and Consequences" in Santo Domingo, Dominican Republic, June 20-24, 1983.

Two faculty members of WU's Performing Arts Area attended the American Theatre Association Convention in Minneapolis, Minn., in August. **Joseph R. Roach Jr.**, associate professor and chairman of PAA and associate professor of English, delivered two papers, titled "Second Nature: Sechenov, Pavlov and Stanislavski" and "A Natural History of Inspiration and Artifice." The papers explored the relationship of acting theory to the history of science. **Diane Lee**, assistant professor of drama, served on a panel, "Neurological Discoveries and their Relationship to Actor Training."

Robert L. Virgil, dean and professor of accounting at the School of Business and Public Administration, has been elected a trustee of Beloit College in Beloit, Wis.

Virgil, who graduated from Beloit in 1956 before receiving his MBA and doctorate degrees in business administration from WU, previously served on Beloit College's board as an alumni trustee. In 1981, he was awarded an alumni distinguished service citation by Beloit. Virgil also is a director of the Federal Reserve Bank of St. Louis, the Carboline Corp. and the CPI Corp.

Michael J. Welch, professor of radiation chemistry in radiology at the School of Medicine and the Mallinckrodt Institute of Radiology, has been elected president-elect of the Society of Nuclear Medicine. He took office as president-elect at the 30th annual meeting of the society June 7-10 at the Cervantes Convention Center, St. Louis. Welch will be installed as president in 1984. The Society of Nuclear Medicine has an international membership of almost 10,000 physicians, scientists, and technologists concerned with the diagnostic and investigational use of radioactive substances for treatment of disease.



Lee Fetter



Peter G. Tuteur

Fetter, Tuteur appointed to medical affairs posts

Peter G. Tuteur, WU associate professor of medicine, and Lee Fetter, former first director of the Missouri Health and Educational Facilities Authority, have been appointed vice chancellors for medical affairs at WU's School of Medicine, according to Samuel B. Guze, vice chancellor for medical affairs and president of the WU Medical Center.

Tuteur, an associate physician at Barnes Hospital, will serve as liaison between the vice chancellor's office and the public relations and alumni affairs office at the School of Medicine. He joined the WU faculty in 1971 as an instructor in medicine and was named associate professor of medicine in 1980.

He was the 1980 recipient of the Young Internist of the Year Award from both the American Society of Internal Medicine and the Missouri Society of Internal Medicine. In 1981, Tuteur was named a Robert Wood Johnson Fellow in Health

Policy. He spent that year in Washington, D.C., working with U.S. Rep. Richard A. Gephardt of Missouri on matters of health and medicine.

Fetter will serve as assistant vice chancellor for medical affairs for finance and planning and as chief financial officer of the School of Medicine.

In four years as executive director of the Health and Educational Facilities Authority, Fetter implemented all financial policies and operating systems, and structured more than \$700 million of capital financing for numerous hospitals and institutions of private higher education. He also served two years as director of planning at St. Louis University School of Medicine.

Fetter received his master's degree in higher education administration and finance from Harvard University and his bachelor's degree in psychology from St. Louis University.

Fredrickson named head of otolaryngology

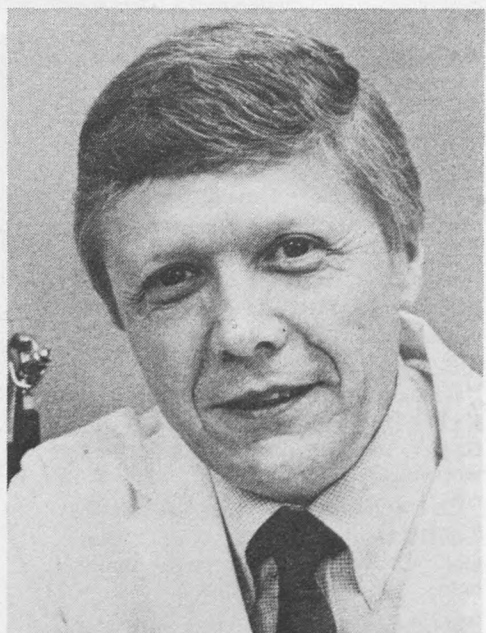
John M. Fredrickson, former professor of otolaryngology at the University of Toronto, has been appointed professor and head of the Department of Otolaryngology at WU's School of Medicine, announced Chancellor William H. Danforth. Fredrickson succeeds the late Joseph H. Ogura.

Internationally recognized for his vestibular research, Fredrickson developed an implantable middle-ear hearing aid in 1973 and a voice box for laryngeal cancer patients in 1981. He is now otolaryngologist-in-chief at Barnes Hospital and a member of the otolaryngology staff at Children's Hospital.

His awards include a research award in 1964 and an award of merit in 1976 from the American Academy of Ophthalmology and Otolaryngology, the University of Toronto Graham Campbell Prize in 1966, and an honorary doctorate from the University of Sweden in 1975.

Fredrickson received his medical degree from the University of British Columbia in 1957. He is a member of many medical societies, including the

American Society of Head and Neck Surgery, the American Otological Society and the American Laryngological Society. He has published more than 100 papers.



John M. Fredrickson

CALENDAR

Sept. 1-10

LECTURES

Thursday, Sept. 1

2:15 p.m. Department of Mechanical Engineering Seminar, "Five Weeks in China," David A. Peters, WU prof. and chairman of mechanical engineering. 100 Cupples II.

Friday, Sept. 2

5:30 p.m. Hillel Foundation Shabbat Candlelighting. Friedman Lounge, Wohl Center.

Saturday, Sept. 3

9 a.m. WU Computing Facilities Short Course, "Using Interactive Computing with Music — Faculty and Student Orientation." (Also Sept. 10, same time.) Place to be announced. Free to WU employees. For more information, call the Center for the Study of Data Processing at 889-5330.

Sunday, Sept. 4

Noon. Hillel Foundation Picnic in Shaw Park, area three. Admission, including lunch, is \$2.50 a person. For transportation, meet at Hillel House, 6300 Forsyth. For more information, call 726-6177.

Tuesday, Sept. 6

Noon. WU Computing Facilities Short Course, "Introduction to Computing Facilities." Place to be announced. Free to WU employees. For more information, call Center for the Study of Data Processing at 889-5330.

4 p.m. Department of Chemistry Seminar, "Bioinorganic Electron-Transfer Mechanisms," Harry B. Gray, prof. of chemistry, California Institute of Technology. 311 McMillen.

Wednesday, Sept. 7

11 a.m. Assembly Series Lecture, with Czeslaw Milosz, 1980 Nobel Laureate in Literature and author of *The Captive Mind*, giving a reading and commentary of his works. Graham Chapel.

MUSIC

Thursday, Sept. 1

7-9 p.m. WU Civic Chorus Auditions. Blewett B-3. For an audition time, call the Music Dept. at 889-5581. Auditions by special arrangement, call 889-5595.

Friday, Sept. 2

3-6 p.m.. Auditions for WU Wind Ensemble and Chamber Winds. (Also, 10 a.m.-1 p.m. Saturday, Sept. 3.) Tietjens Hall. To schedule an audition time, call 889-5581.

Wednesday, Sept. 7

7:30 to 9:30 p.m. WU Jazz Ensemble Auditions. To schedule an audition time, call 889-5581.

EXHIBITIONS

"A Selection of 16th-Century Books," including works by Gesner, Bartisch, Tagliacozzi and Pare. Through Sept. 9. WU School of Medicine library annex, 615 S. Taylor Ave. 8:30 a.m.-5 p.m. weekdays.

"Cubists, Surrealists and Expressionists." Through Sept. 4. Upper Gallery, Gallery of Art. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

"Ingress: Recent Additions to the School of Fine Arts Faculty."

Through Sept. 20. Bixby Hall Gallery. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends.

"Gene Hoefel: Sabbatical Exhibit." Through Sept. 20. Bixby East Gallery. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends.

"Entry Points to the Library's Collections." Through Oct. 7. Olin Library, third level. Open regular library hours.

"Modernism at Midstream."

(See story at top.)

PERFORMANCES

Saturday, Sept. 3

8 p.m. Edison Theatre presents Facets Performance Ensemble in "The Book of Lear." This theatre piece, based on Shakespeare's play, draws on sources as diverse as Bedouin folklore and Velikovsky's *Worlds in Collision*. Gen. Admission is \$8; WU faculty and staff, \$5; area students, \$5; and WU students, \$4. For more information, call the Edison theatre box office at 889-6543.

SPORTS

Monday, Sept. 5

1 p.m. Soccer, WU vs. McKendree College. Francis Field.

Saturday, Sept. 10

7 p.m. Football, WU vs. Culver-Stockton College. Francis Field.

Calendar Deadline

The deadline to submit items for the Sept. 22-Oct. 1 calendar of the *WU Record* is Sept. 8. 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 name and identification and the title of the event. Those submitting items, please include your name and telephone number. Address items to King McElroy, calendar editor, Box 1142.

Wind ensemble holds auditions

The Washington University Wind Ensemble and Chamber Winds, directed by Dan Presgrave, will hold auditions for the 1983-84 concert season on Friday, Sept. 2, from 3 to 6 p.m. and on Saturday, Sept. 3, from 10 a.m. to 1 p.m. at Tietjens Rehearsal Hall.

The Ensemble has openings in all sections and auditions are open to all college and university students in the St. Louis area, music educators and exceptionally talented high school musicians.

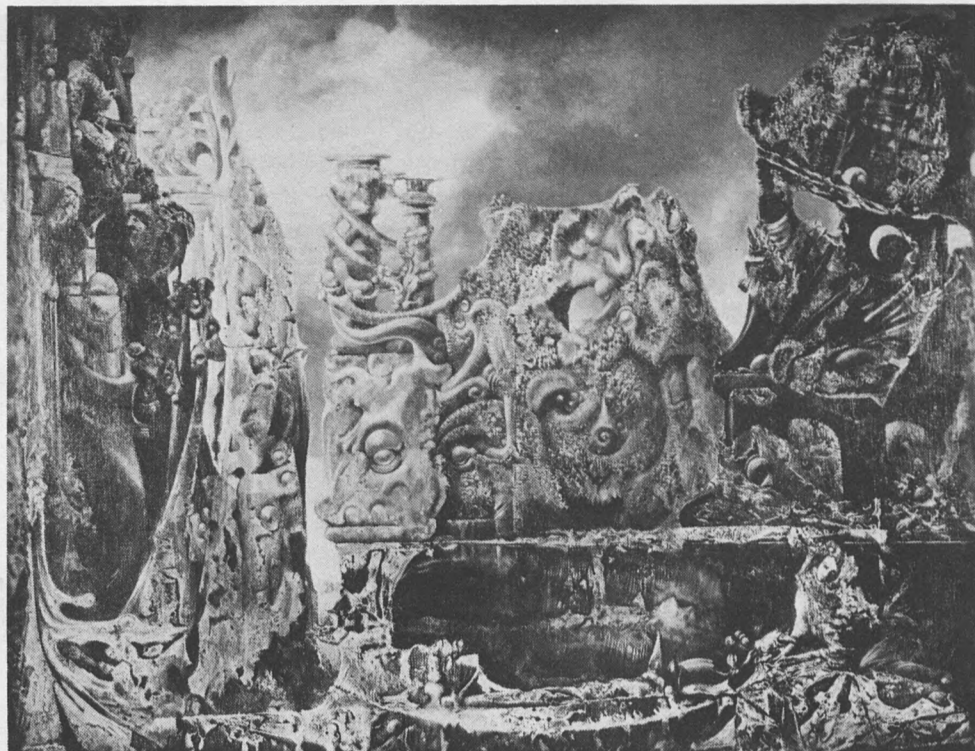
The Wind Ensemble will perform for the Missouri Music Educators Conference at Tan Tara in the Lake of the Ozarks in January and also will perform four concerts at the St. Louis Art Museum this year.

To schedule an audition time, or for more information about auditions, call the music department at 889-5581.

Employees 65 and over need to select health coverage

If you are participating under a University health plan and are an active employee age 65 through 69 and have a spouse in this age bracket, you will need to make an election whether you want your Washington University health insurance plan or Federal Medicare to be your primary coverage. You will have received a mailing from the Personnel Office, including an election form, which is to be completed and returned.

Federal regulations require that this election be offered and implemented by Sept. 5, 1983. Please contact Personnel at 889-5990 if you and your spouse are in this age bracket and did not receive the mailing.



Max Ernst's "Eye of Silence" is an example of the art created by Europeans exiled in America during World War II. Ernst is German; the oil painting dates to 1943-44.

Modern art on view

When European artists escaped to America after the fall of Paris in 1940, they transplanted a visual arts culture that tremendously influenced their host country's art. When the artists returned to Europe, they brought new styles back to their mother countries.

"Modernism at Midstream," a visual study of this cross-cultural artistic exchange, will be exhibited Sept. 4 to Nov. 6 in the Gallery of Art's Upper Gallery in Steinberg Hall.

The modern art transition during the World War II era was from cubism and surrealism to various abstract informal art styles.

The 37 paintings and sculptures on exhibit are mainly from the Gallery's permanent collection. In addition to featuring the "old masters" of modern art — Josef Albers, Max Ernst and Joan Miro — the exhibit will correlate paintings by American artists Arshile Gorky, Franz

Students available to aid researchers

The Committee for General Studies invites faculty members to participate in the Undergraduate Research Assistantship Program. In addition to providing the researcher with competent assistance that might otherwise be overlooked, the program gives the student an inside view of the world of research.

Faculty are asked to submit descriptions of current or planned research which could use student assistance. These descriptions will be assembled in a loose-leaf notebook and made available to students in the General Studies Office, 201 S. Brookings. The students will apply for the position of research assistant directly to the faculty researcher.

For more information on the program, contact Victor H. Farwell, assistant dean of the College of Arts and Sciences, at Ext. 6800.

Kline and Philip Guston with European artists Pierre Soulages and Antonio Tapies.

The other exhibits scheduled for the fall in the Gallery of Art will open Sept. 11. They are: "Reflections of African Artistry," through Oct. 30 in the Print Gallery; "Landscape Traditions in the 19th-Century," through Oct. 30 in the Lower Gallery; and "Cubists and Surrealists," through January in the Lower Gallery.

Gallery hours are 10 a.m. to 5 p.m. Monday through Friday and 1 to 5 p.m. Saturday and Sunday. Admission is free. For more information, call 889-5490.

PAA curtain call

The Performing Arts Area will hold auditions Wednesday through Friday, Aug. 31-Sept. 2, for its production of Aristophanes' greatest comedy, "Lysistrata." The drama will be performed Friday through Sunday, Oct. 14-16 and 21-23, in Edison Theatre. Diana Lee, assistant professor of drama, will direct the production.

Auditions will be scheduled between 6 and 10 p.m. by appointment only. Approximately 40 parts are available to both men and women. Novices and experienced actors are encouraged to participate. For information/appointment, call 889-5885.

Interlibrary loan service relocates

The Interlibrary Loan Service in Olin Library has moved to a more convenient location in the Reference Offices on Level Three. Interlibrary Loan (ILL) is a service which arranges for the borrowing of books and microfilms and obtains photocopies of journal articles when these materials are not available in the WU collections.

WU faculty, students and staff with current, validated ID cards are eligible for this service. For more information, call 889-5442.

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