Members of the Conservation Group of Washington University Technology Associates (WUTA) take a break from beautifying and preserving the eight statues that constitute “The Orpheus Fountain” by Swedish sculptor Carl Milles. The conservation crew includes (front row, from left) Phoebe Weil, WUTA’s chief conservator; and Jeff Mill, project manager. (back row, from left) Trina Aschim, conservation technician, Kathy Hebb, conservation apprentice, and Brian Hayden, project manager.

Saving sculptures from monumental task

“Every task we do here is monumental,” quips Phoebe Weil as she walks into her studio where eight enormous statues by Swedish sculptor Carl Milles loom overhead in a greenshin glow.

Weil is the chief conservator for the Conservation Group of Washington University Technology Associates (WUTA). The works are Weil’s latest “patients,” but not her first. In 1974 she did the Milles fountain across from St. Louis’ Union Station.

The eight figures constitute the sculptural group “The Orpheus Fountain.” Its permanent location is a focal point on the campus of the Cranbrook Academy of Art in Bloomfield Hills, Mich., a Detroit suburb. The work is considered a symbol of the famous school of fine arts and architecture, founded in 1927 by Eliel Saarinen, whose son, Eero, designed St. Louis’ original greenish appearance (known as Gateway Arch).

One of the eight statues from “The Orpheus Fountain” after its cast bronze surface had been treated by the University’s sculpture conservation group.
Monsanto donates equipment, pledges research grants

State-of-the-art equipment for analyzing and modifying catalytic surfaces — plus two experimental prototype TAP (Temporal Analysis of Product) reactor systems valued at almost $500,000 — have been donated to Washington University by the Monsanto Co., according to Chancellor William H. Danforth. Monsanto also will make research grants totaling $15,000 over the next two years, said David B. Price Jr., vice president and general manager of Monsanto's Specialty Chemicals Division. The grants are to facilitate the installation and operation of the new equipment and fund fundamental research with the TAP system in both catalytic and non-catalytic reactions.

In a ceremony at the University, Price presented Danforth and James M. Mc Kelvey, Ph.D., dean of the School of Engineering and Applied Science, with the first grant check of $75,000. "We continue to be deeply grateful for the strong support our scientists receive from Monsanto," said Danforth. The TAP reactor system was developed by John T. Gleaves, Ph.D., a former Monsanto scientist and now an engineering at Washington University, and Jerry R. Ehren, Ph.D., a Monsanto scientist. Monsanto recently licensed Autoclave Engineers Inc. (AEI) of Eric, Pa., to manufacture, use and sell the TAP system. The commercial model sold to AEI also will be located at Washington University.

The TAP system facilitates a better understanding of the role of catalysts in chemical reactions by allowing scientists to take a real-time snapshot of a reaction. Before the introduction of the TAP reactor, such an effective process was not possible.

Gleaves played an integral part in the establishment of this advanced facility at the University. "We believe a continuation of the collaborative efforts among Monsanto, the chemical industry and the students and faculty of the University will help ensure the competitive advantage of American technology," Price said.

Career counseling on-line with computer system

When you make an appointment to see a counselor in the Career Center, you won't be forgotten once the counseling session ends. Information from your registration form is entered into the Career Information System (CIS), a computer management information system that allows counselors to keep an ongoing record of students, their fields of interest, and whether they are interested in an internship, part-time, full-time or summer job. This information can be matched on-line with companies and organizations that have expressed an interest in Washington University students and alumni.

The system, which allows counselors to match students with available opportunities, listed some 850 positions last year, from more than 750 businesses, industries, educational institutions and social service agencies.

Alfreda Brown, a career development specialist and one of the designers of CIS, says the system stresses career planning over job placement. "We feel students should get involved as soon as possible in an internship, summer or part-time job in their area of interest. These opportunities can eventually result in full-time jobs," says Brown.

"The thing that makes this system exceptional," she says, "is that it is comprehensive. It has unlimited storage space to keep ongoing information."

Brown says the system also helps counselors keep up with occupational trends that can change or expand the complexion of various fields. An example, says Brown, is the current demand for people with combined teaching and computer literacy training. "Career fields change as trends change," explains Brown. "This system allows us to do an analysis to see what trends are developing and then advise our students or the appropriate University department about the development."

Brown says CIS also allows for monitoring the effectiveness of the program, individual outcomes and accomplished goals. Another program that many students and alumni have found helpful is the Alumni Access Program. Approximately 700 alumni from various backgrounds and professions volunteer to serve as resource people to students and alumni who would like to enter their field or profession. Brown says the program heavily emphasizes networking.

SIGI-PLUS, the computerized career guidance system, can be used to aid students in assessing the vocational skills, interests and values most important to them. The nine-step program provides career guidance that is tailored to the individual and directs the user in establishing an immediate plan of action by establishing short-range goals. For more information, call the Career Center at 889-9330.

Janacek — continued from page 1

as his teacher’s disciple, sharing Janacek’s music with audiences throughout the world.

Firkusny, joined by Chamber Music St. Louis, will perform Janacek’s “Capriccio” at 8 p.m. May 9 at the Sheldon, 5648 Washington Ave. Also on the program is a world premiere of a chamber piece by Janacek. Tickets are $8. Call the Powell box office, 534-1700, for more information.

Other events scheduled for the Janacek festival include a performance by Washington University’s Dan Presgrave Ensemble, with Seth Carlin, on Friday. The ensemble will play Janacek’s “Concertino,” and “Serenade for Winds,” by Dvorak. The concert will be held at 8 p.m. in Steinberg Hall auditorium. Tickets are $10; $5 for students. Call the music department, 889-5581, for information.

Pianist Eva Solar-Kindermann will perform works on Janacek and Smetana in a free recital at 7 p.m. May 5 in Steinberg Hall. Solar-Kindermann, who was born in Sweden, studied piano in Prague, where she won the Czech National Musical Youth Competition in 1965. She holds degrees from the Zurich Conservatory of Music and the Jihlava State Academy of Music. She currently lives in Canada.

Solar-Kinderman’s free recital will precede "Duets from Czech Folk Poetry," a concert featuring works of Janacek, Dvorak, Martinu and Kyral. Mezzo soprano Mary Henderson will join Carole Gusar and B.J. Glutter in the performance, to be held at 8 p.m., in Steinberg Hall. Tickets are $5. For information, call 889-5581.

David Adams, associate professor of voice at the College-Conservatory of Music at the University of Cincinnati, will join Mary Henderson in a performance of Janacek’s ‘The Diary of One Who Vanished,’ at 1 p.m., Friday, May 6, in the Women’s Building Lounge. The recital is free. Call 889-5581 for information.

Linda DiGiusto, associate professor of music at West Virginia Wesleyan College, will perform Janacek’s cycle “On the Overgrown Path,” as well as works by Josef Sul and Vitezslav Novak, in a free recital at 1 p.m. Saturday, May 7, in Brown Lounge. Call 889-5581 for information.

The Dooyewaistr, comprised of violinist Ronald Patterson and vocalist Roxanna Patterson, will perform works of Martinu and Kalivoda at 8 p.m. Sunday, May 8, in Steinberg Hall. Ronald Patterson, a five-time First Place Winner of the Coleman Chamber Music Competition, was a founding member of the St. Louis String Quartet. He formerly taught at Washington University, and has served as concertmaster of the Miami Philharmonic, the Denver Symphony and the Houston Symphony. Since 1979, he has served as the Concertmaster of L’Orchestra Philarmorique de Monte Carlo.

Roxanna Patterson has played with the Fort Worth and Houston symphonies, and the Orchestra Philarmorique de Monte Carlo. Tickets are $10; $5 for students. For information, call 899-5581.

"The Lion With the White Mane," a film biography of Leos Janacek, will be screened at 8 p.m. Saturday, May 7, at The Saint Louis Museum. Tickets are $2; $1 for Friends of the Museum. See the next issue of the Washington University Record for more information about the film.
Laura K. Holden, clinical audiologist, and Mary M. Binzer, coordinator of the Cochlear Implant Program of the otolaryngology department, presented "Magnetic Resonance Imaging: Case Presentation" at the annual hearing aid conference on March 11 at the Washington University School of Medicine.

Joseph T. Lee, M.D., professor of radiology at Mallinckrodt Institute of Radiology, presented a scientific paper recently at a National Institutes of Health consensus conference held in Bethesda, Md. His study—which dealt with the effectiveness of magnetic resonance imaging (MRI) on producing images of the male pelvis—was one of 20 used to control an official statement on the development of MRI for medical purposes.

The complete report set down the efficacy of MRI and its most useful clinical applications, and compared it to other forms of medical imaging.

Charles R. McManis, J.D., professor of law, participated on March 25 in a conference jointly sponsored by Exxon Foundation and Washington University on "Business and the Public Discourse." On March 24, he spoke on "What Lawyers Mean When They Talk About Torts" at an ALA-ABA conference on "Legal Problems of Museum Administration" held in St. Louis.

Daniel R. Mandelker, J.S.D., Howard A. Stamper Professor of Law, delivered the fourth annual colloquium lecture on city and regional planning held April 8 at Memphis State University.

Terry Martin, a doctoral student in music, was invited to perform at the Third National Fortepiano Conference in Springfield, Mass. He played in master classes given by John Gibbons and Seth Carlin, professor of music at Washington University. The conference, which was sponsored by the Westfield Center for Early Keyboard Studies, presented a seminar on immunogenetics of apolipo-

proteins. B, held March 11 at Rockefeller University in New York City. He also co-authored two papers that recently have been accepted for publication by the Society for Magnetic Resonance in Medicine. The papers are titled "Regional specificities of monoclonal anti-human apolipoprotein B antibodies" and "Lipoprotein LPL phospholipase A2 alters the expression of selected apo-100 epitopes and the interaction of LNL with cells."

Stephen J. Steedman, an instructor in the biology department, and Julie T. Withers, a postdoctoral fellow in political economy, presented a paper on "A Dynamic Theory of Theoretical Model of Conflict and Settlement" at the meetings of the Public Choice Society of the United States, held in March in San Francisco.

John Gilmour, Ph.D., assistant professor of political science, presented a paper on "Hardball and Softball Politics: Coalition Formation in Congress" at the same meetings.

Michael W. Vannier, M.D., associate professor at Mallinckrodt Institute of Radiology, has been named an advisory member of NASA's Technology Applications Team. Joining other national recognized scientists, he will serve on the team's Biomedical and Rehabilitation Advisory Group, where he will help identify medical needs that can be met through the application of NASA's technology. The team was established to guarantee that NASA developments benefit both public and private sectors.

Vannier is recognized for his leadership in the application of aerospace computer-aided design to surgical planning.

Clifford M. Will, Ph.D., professor of physics, has been elected to the executive committee of the Astrophysics Division of the American Physical Society for a two-year term. The committee handles the general affairs and advises the chairman of the 2,000-member society. The committee was recently to a three-year term on the Resource Letter/Reprint Book Editorial Board of the American Association of Physics Teachers. His book, Was Einstein Right?, is being translated into French, German, Japanese and Portuguese. A paperback edition is due out this summer.

Ernst Zinner, Ph.D., senior research scientist at the McDonnell Center for the Space Sciences, and 21 colleagues from the physics and earth and planetary sciences departments, attended the 19th Lunar and Planetary Science Conference, March 14-18 in Houston, Texas. They presented a total of 24 scientific papers. This international conference is an annual event since 1970, following the initial analysis of the first returned lunar samples from the Apollo missions. The conference also serves as a forum for contact between the United States and Soviet planetary scientists.

Have you done something noteworthy? If so, let us know! Have you presented a paper? Won an award? Been named to a committee or elected an officer of a professional society? The Washington University Record will help promote your good news. Contributions to the faculty and staff calendar of the Record are welcomed. Send a brief note with your full name, highest-earned degree, current title and department, and a description with a signature of your noteworthy activity to NOTABLES, Campus Box 1070.

Notable

Two business school faculty awarded to endowed professorships.

Dean H. Kropp, Ph.D., and Gary J. Miller, Ph.D., have been named to two endowed professorships in the John M. Olin School of Business, Robert L. Virgil Jr., dean of the school, has announced.

Kropp has been named the Dan Brown Professor of Operations Management and is the Reuben C. Taylor Jr. and Anne J. Withers Professor of Political Economy. Kropp formerly was on the faculty of the Amos Tuck School of Business at Dartmouth College. He held a visiting appointment at the University's business school during the 1986-87 academic year and joined the tenure faculty on July 1, 1987.

Kropp is well known nationally for his path-breaking research on instability in production scheduling, commonly referred to as "nervousness" in the literature. He was selected 1987 Teacher of the Year by both the University's first-year and evening MBAs.

Miller was scholar-in-residence in the business school during the 1986-87 academic year, fall semester. He then joined the tenure faculty as professor of political economy in January 1987. He is the author of "Administrative Dilemmas: The Role of Political Leadership," which has been selected to receive the Pi Sigma Alpha Award for the best paper presented at the 1987 meeting of the Midwest Political Science Association.

He is the author of other award-winning research articles in the leading journals of political science and has written several books on administrative reform and American government. He currently is doing a study of the ratification of the U.S. Constitution under a grant from the Smith Richardson Foundation.

Math team ranks in top 10 nationally.

A team from Washington University has ranked among the top 10 in the nation in the William Lowell Putnam Mathematical Competition, which was held December. Thus, a Washington University team has ranked in the top 10 for the last 11 years.

The team consisted of Daniel N. Ropp, a senior in the College of Arts and Sciences, who ranked 18th; and David S. Shobe, a junior in the College of Arts and Sciences, who ranked 39th. Teachers from 359 colleges and universities from the United States and Canada took part in the competition. There were 2,287 students competing in the six-hour examination.

The top five schools were Harvard University, Princeton, University of California/Berkeley, Carnegie-Mellon and MIT.

Now in its 48th year, the competition is open to all college students and each school may enter as many students as it wishes.

In addition to Bender, Richard Rockfeld, Ph.D., professor of mathematics, served as a coach.

Mixed Choir to present spring concert.

Washington University's Mixed Choir, directed by Professor Orland Jonah, will present its spring concert at 8 p.m. Monday, May 2, in Graham Chapel. The concert is free and open to the public.

The program will include the Mass in G by Schubert, "The Festival Te Deum" by Britten, and "Zum Schluss" by Brahms. Performing solos will be Laura Brady, soprano; Greg Getty, tenor; and Julie Westerhouse, editor of the Record.

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

Miami Herald.

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Miami Herald.
Myths about schizophrenia dispelled by psychiatrist

And many of the books and movies about "real-life" cases actually describe symptoms of other mental disorders, not schizophrenia.

North bases those comments on close observation of movies and television shows and on her analysis of books chronicling the cases of five schizophrenics. She says that the most flagrant example of bias against the mentally ill, comments Carol North, M.D. She adds that even well-meaning books, movies and television shows reinforce three long-standing misconceptions about the disease: that schizophrenics are violent, that they have "split" personalities, and that their families caused the illness.

"People are afraid that schizophrenia will suddenly become violent and start hurting people senselessly, so they refuse to hire them and avoid them," North says.

"The most harmful myth is violence," she says. "People are afraid that schizophrenia will suddenly become violent and start hurting people senselessly, and they refuse to hire them and avoid them." Yet studies show that schizophrenics are slightly less violent than the general public, North says. And though some schizophrenics pose a danger, she says, people from any walk of life can be violent.

"Movies and television shows that misuse the term or depict schizophrenics in crimes of senseless violence such as brutal chain-saw murders do a real disservice to the sick and society at large," she says. "It may be dramatic to show someone actively hallucinating, she notes, but "sitting in a chair chain-smoking all day is more realistic. Doing nothing constitutes a large part of the behavior of many schizophrenics, and that's not very exciting."

Nevertheless, "the myth of the violent schizophrenic child is a part of our culture that it is hard to perceive as a myth," she says. MaryEllen Walsh, the mother of a schizophrenic, in her book Straight Talk: "In films and print, schizophrenics are shown as menacing figures... with rage in their eyes and with blood on their hands. Because of these off-base depictions, millions of people have the erroneous belief that schizophrenics must be violent."

"Two other destructive and persistently misleading myths, North says, are that schizophrenia is a split personality and that bad families cause it.

"Split, or multiple, personality — as described in books like Sybil or The Three Faces of Eve — is a rare form of hysteria that has nothing to do with schizophrenia, she explains. Public misconception undoubtedly is due in large part to the word schizophrenia, taken from the Greek "schizo" (split) and "phrenia" (mind.) Psychiatrist Eugen Bleuler coined the term in 1911 to describe the mind's split from reality; the illness used to be called dementia praecox, meaning an early senility. "It was originally recognized as a disorder of the brain, a kind of deteriorating process that comes on in early life," North notes. "Then the Freudians and other psychiatrists changed our way of thinking, and schizophrenia is now considered to be mental illness that adds a tremendous burden to the schizophrenic's already impaired family."

"Misinformation and ignorance have created pervasive prejudice against mental illness that adds a tremendous burden to the schizophrenic's already terrifying health problems, North says. "Educating the public is the only way to remove the stigma, she says. Many experts consider schizophrenia the worst mental health problem in the nation — more than 2.5 million schizophrenics live in the United States at an annual cost of $20-48 billion — but the public understands very little about it."

"As a result, North says, myths abound. "The truly schizophrenic patient..." she says, referring to the patients she has treated the books — which included the five personal accounts of symptoms, including hearing voices, the hallmark of schizophrenia; delusions, or fixed false beliefs, for example that the radio is sending special messages; and disorganized thinking. The truly schizophrenic patient must also meet several other criteria that had been recently established by the psychiatry profession's diagnostic manual, called Diagnostic and Statistical Manual - Third Edition (DSM-III)."

"The most harmful myth is violence," North says. "The cruel practice of blaming parents for causing their schizophrenic child's illness is falling into disfavor. Instead families deserve support and understanding of their tragedy."

"'The cruel practice of blaming parents for causing their schizophrenic child's illness is falling into disfavor. Instead families deserve support and understanding of their tragedy.'

"Understanding doesn't come easily, though. And for that, North says, psychiatry must accept some of the fault: historically, patients have been misclassified because of vague, shifting criteria. Incorrectly diagnosed schizophrenia carries over to the movies, she comments. "In practically every movie I've ever seen about a schizophrenic, the symptoms don't represent schizophrenia."

"Rather, she says, the patients may be suffering from personality disorders, such as sociopathy, or are manic depressives or drug abusers.

"The same is true of the portrayals of schizophrenia in many popular books, she adds. In 1981, North published an analysis of diagnostic discrepancies in five personal accounts of patients with schizophrenia. She treated the books — which included the best sellers The Eden Express and I Never Promised You a Rose Garden — as case histories, writing down every symptom and classifying them according to specific criteria that had been recently established by the psychiatry profession's diagnostic manual, called Diagnostic and Statistical Manual - Third Edition (DSM-III)."

"The Eden Express is a rare form of schizophrenia; delusions, or fixed false beliefs, for example that the radio is sending special messages; and disorganized thinking. The truly schizophrenic patient must also meet several other criteria that had been recently established by the psychiatry profession's diagnostic manual, called Diagnostic and Statistical Manual - Third Edition (DSM-III)."

"In the last few years, scientists have realized that the less noticeable signs are just as important: apathy, lack of motivation or drive, and blunted emotional response and facial expression."

"The truly schizophrenic patient must also meet several other criteria outlined by the DSM-III that indicate impairment in daily functioning and exclude other mental disorders."

"Over the years, schizophrenics have endured a number of treatments including institutionalization in stereotypic back wards and "madhouses," and psychoanalysis to resolve alleged long-hidden emotional conflicts."

"Probably the greatest advance came in the 1950s, when anti-psychotic medications were developed to relieve the symptoms of psychosis."

"Today, anti-psychotic drugs remain the primary treatment, accompanied by patient/family education and the development of skills for coping with the illness. Roughly one-third of schizophrenics recover, one-third experience periodic illness, and another third stay chronically ill."

"Schizophrenia is most likely a collection of disorders of the brain, each with a different underlying biochemical abnormality, but all producing the clinical symptoms of classic schizophrenia," North explains. Research on schizophrenia is ongoing, she points out, but real understanding of the illness will come when scientists learn more about how the brain functions.

"We think this is a brain disease — or a set of brain diseases — and we need to know how the brain works before we can know how it's gone wrong. If your radio breaks and you just want to fix it, you look inside at how it normally works, and then you spot the part that's not working. But unless you know something about radios to begin with, you're very likely not going to be able to figure out what the trouble is."

"She is optimistic that as scientists learn more, so will the public. Already, North says, many families of schizophrenics have become quite sophisticated in understanding the disease, and are helping to educate others."

"Since one in every 100 people will become schizophrenic, almost everybody knows somebody with schizophrenia, or with schizophrenia in their family," she says. "This is a medical illness not predisposing people to violence, and as more people recognize the facts, public opinion will slowly come around. And once the public becomes more educated, movie makers and media people are going to have to be more educated too, because the public just won't buy it."

Debra Bernardo
Immune disorders to be discussed at AOAs lecture

Immune deficiency from Hippocrates to AIDS is the topic for the 55th annual Alfred E. Orme-Johnston (AOA) lecture May 12 at the School of Medicine.

The lecture will be delivered by Fred S. Risser, M.D., James L. Gamble Professor of Pediatrics at Harvard Medical School and president of the Center for Blood Research in Boston. The talk, part of a three-day visiting professorship sponsored by the AOA national medical honor society, is scheduled for noon in Clifton Auditorium, 4950 Audubon.

Risser has published more than 200 articles on his research, and has received a number of honors, including the E. Mead Johnson Award for Pediatric Research from the American Academy of Pediatrics and a fellowship from the John D. and Catherine T. MacArthur Foundation.

Masys to deliver Brodmann lecture

Daniel R. Masys, M.D., director of the Lister Hill National Center for Biomedical Communications at the National Library of Medicine, will deliver the eighth annual Estelle Brodmann Lecture April 29 at the School of Medicine.

The lecture, "Computers in Medicine: Biology, Present and Future," will begin at 4 p.m. in Ceri Auditorium.

Masys' talk will review current uses of computers and communications technology in medicine as well as research in artificial intelligence, expert systems, and natural language processing. Of particular interest is the Lister Center's biotechnology information program for organizing the enormous amounts of data that are expected to result from molecular biology research over the next few years.

Masys served as chief of the International Cancer Research Data Bank at the National Cancer Institute, where he was responsible for technical information services. He is a diplomat of the American Board of Internal Medicine, a fellow of the American College of Physicians, and has received numerous awards for work in computer information systems.

The Estelle Brodmann Lecture is sponsored by the School of Medicine Library in honor of Brodmann, who served as library director and professor of medical history at the School of Medicine from 1961-81. Brodmann was considered an authority in the field of information technology, and the lectureship was established in recognition of her achievements at Washington University and her contributions to biomedical communication and medical history.

For more information on the lecture, call 362-2773.

Free heart medication program is expanded

Many St. Louisans are at high risk of dying from heart disease because they can't afford to have their prescriptions filled, but a new program is helping to remedy the situation, says H. Mitchell Perry Jr., M.D., one of the nation's leading hypertension researchers.

Washington University and three other clinics in St. Louis have recently received a combined total of $100,000 in coupons for prescription drugs to be given to the working poor. The program provides free drugs for people who don't qualify for Medicare or Medicaid and can't afford insurance or the cost of having prescriptions filled.

The coupons are provided by G. D. Searle & Co., the drug subsidiary of Monsanto Co. Searle launched a pilot program in St. Louis and other cities last year to help indigent people who needed medication for high blood pressure; it was so well received that the program was expanded to include the company's entire line of heart drugs.

"This much needed program by Searle is precisely the kind of program that a responsible pharmaceutical company should be involved in," said Perry, director of the medical school's hypertension division and clinic. "It will provide cardiovascular drugs to patients who desperately need treatment, but often forego purchasing medication to pay for food and other necessities."

Individuals eligible for Searle's program receive coupons from the physician who writes the prescription. The coupons can be issued to indigent patients being prescribed Searle medications for the treatment of high blood pressure, angina, arrhythmias and congestive heart failure. Searle reimburses the pharmacy for the filling the prescription.

Other clinics in the area that will be distributing the coupons are Metro Community Health Center, Family Care Center of Carondelet and People's Clinic.

Coping with cancer

Patients find needs fulfilled at information center

Visitors to the Cancer Information Center April 19 came away with brightly colored carnations, reminders of the Barnard Free Skin Care Center April 19 came away with brightly colored carnations, reminders of the Barnard Free Skin Care Center, a godsend in helping him cope with his wife's illness and make her life as pleasant as possible, the widower says. He gives special credit to Lois Howland.

"I made use of the Cancer Information Center because of Lois. She is an excellent listener and very helpful, and I felt comfortable expressing my fears and concerns with her."

Visitors are welcome at the center, located on the first floor of Barnard Hospital at the medical center. Founded in 1977 by Carlos A. Perez, M.D., professor and director of Mallinckrodt's Radiation Oncology Center, the center is sponsored by Mallinckrodt Institute of Radiology and the Barnard Free Skin and Cancer Hospital at the School of Medicine. For more information, call 362-7844.
Scientific exchange with Japan to be inaugurated at symposium

A contingent of renowned scientists from Japan will visit Washington University on May 16 and 17 as part of the American inauguration of the university's unique exchange program with RIKEN, Japan's preeminent government-sponsored research institution. The visiting scientists, along with many of Washington University's own most accomplished faculty members, will present their research at a symposium titled "Receptor Interactions and "Information Transfer from Receptors." Tuesday's science session will be "Control at the Nuclear Level." The program sponsored by the Department of Otolaryngology, also for health care professionals who work with hearing impaired, will begin at 4 p.m. in the Carl V. Moore Auditorium, 660 S. Euclid Avenue. The cochlear implant program at the School of Medicine began four years ago.

Cochlear implant forum to be held

Adults who are severely hearing impaired and their families are invited to learn about the benefits of cochlear implants during a forum May 13 at the School of Medicine. The forum, sponsored by the Department of Otolaryngology, is also for health care professionals who work with hearing impaired. The forum will begin at 2 p.m. in the Carl V. Moore Auditorium, 660 S. Euclid Avenue. Cochlear implant surgery can be performed by electrically stimulating nerve fibers in the inner ear, and are generally available only to people who derive no benefit from a hearing aid. The cochlear implant program at the School of Medicine began four years ago.

O'Leary honored for brain research

Dennis D. M. O'Leary, Ph.D., a neuroscientist at the School of Medicine, has received an award for his research on the cerebral cortex. O'Leary has received the Krieg Brain Research Award from the Cajal Club, an affiliate of the American Association of Anatomists. The Cajal Club, a select group of neuroscientists, was founded in 1946 and is named after Santiago Ramon y Cajal, considered by many to be the father of neuroanatomy. O'Leary received the $2,000 award — which honors outstanding work on the cerebral cortex — April 24 at the Cajal Club's annual meeting in Cincinnati. The Cajal Club, which is made up of several that the club presents to recognize excellence in neuroanatomy research. O'Leary is an assistant professor in the departments of neurology and neurosurgery, and of anatomy and expanded its scope at the Tsukuba Center to include biological studies. The exchange is designed not only to foster research collaborations, but also to encourage scientists from both institutions to share techniques and teaching skills through joint meetings and exchange visits.

The agreement was forged largely through the efforts of Fumio Inatomo, Ph.D., vice director of the Tsukuba Life Science Center of RIKEN. Work done through the agreement is with the Tsukuba Life Science Center of RIKEN. Work done through the agreement is with the Tsukuba Life Science Center of RIKEN. RIKEN traditionally has conducted chemical and physical research but recently has received funding from Japan for cancer treatment study

Gilbert H. Nussbaum, Ph.D., associate professor of radiation physics in radiology at Mallinckrodt Institute of Radiology, has been awarded a grant for $350,000 from the National Cancer Institute.

Cuatrecasas to deliver Lowry lecture

Pedro Cuatrecasas, M.D., senior vice president of research and development at Glaxo Inc., will deliver the 11th annual Oliver H. Lowry Lecture in Pharmacology May 12 at the School of Medicine.

Cuatrecasas will discuss the role of phosphoinositides in membrane anchoring and action of insulin. Phosphoinositides are found in membranes and are activated by the binding of insulin to its receptor on the cell membrane. Recent experiments performed in Cuatrecasas' laboratory suggest that a specific phospholipid is released when insulin binds to its receptor in the cell membrane, resulting in the intracellular secretion of insulin action. The lecture, open to all members of the medical profession, will begin at 4 p.m. in the Carl V. Moore Auditorium, 660 S. Euclid Avenue.

Cuatrecasas, world renowned for his research on hormones-receptor interactions and cell communication, has been with Glaxo since 1986. He was vice president of research and director of the Burroughs Wellcome Co. for 11 years, and from 1970-75 was director of the Division of Clinical Pharmacology at the Johns Hopkins University. He received his bachelor's degree Phi Beta Kappa and medical degree magna cum laude, Alpha Omega Alpha from Washington University. He completed an internship and residency in internal medicine at the Johns Hopkins University followed by postdoctoral training at the National Institutes of Health.

Cuatrecasas has received numerous distinguished awards, including the John Jacob Abel Prize in Pharmacology, Eli Lilly Award of the American Diabetes Association, Goodman and Gilman Award and election to the National Academy of Sciences.

The Lowry Lecture is sponsored by the Department of Pharmacology to honor Oliver H. Lowry, M.D., Ph.D., distinguished professor and lecturer. Lowry served as head of the department from 1947-71 as dean of the School of Medicine from 1955-58. As a member of numerous national scientific committees, Lowry widely influenced research in medical science, particularly in the areas of neurobiology, neurochemistry, mental retardation and analytical biochemistry.
Employee discounts are available

The General Services/Purchasing Department recently has published a list of vendors who have agreed to offer discounts to Washington University faculty and staff.

General Services cautions that because of the many discount stores in the St. Louis area and special seasonal sales, there could be better sources of supply, thus comparative shopping is advisable.

Individuals who elect to take advantage of the available discounts should be aware of the following conditions:

1. A valid Washington University identification card (ID) must be presented.
2. All transactions will be on a cash basis.
3. Sales tax is applicable on all personal purchases.
4. The Washington University Purchasing Office cannot become involved in the transaction.

List of vendors who extend discounts to faculty and staff

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<th>Product</th>
<th>Company</th>
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Arts and Education Fund Drive is on

"Give the Arts a Hand" is the theme for the 1988 Arts and Education Fund Drive. Celebrating 25 years, the Arts and Education Council of Greater St. Louis has given local arts organizations a helping hand, providing St. Louis area residents with an exciting array of music, dance, theater and art.

Chancellor William H. Danforth has written a letter to the Washington University community in support of the fund drive. The letter follows:

Dear Colleague:

Each year the Washington University community responds generously to the fund drive for the Arts and Education Council. Part of the reason for this generous response is undoubtedly our understanding of the goals of the Council and the importance of the arts to any community.

Eight parts of Washington University are considered "member agencies" of the Arts and Education Council of Greater St. Louis. This status enables them to receive project grants from the Camelot/Special Project Fund. The recipients of the money raised by the campaign are the Opera Theatre of St. Louis, Repertory Theatre of St. Louis, St. Louis Conservatory and Schools for the Arts, Young Audiences' St. Louis Chapter, KETC, Dance St. Louis, Craft Alliance Education Center, and Mark Twain Summer Institute.

In each case Arts and Education funding is an essential part of the agency's budget. This year's campaign goal is $2,450,000, an increase of 4 percent over last year. Of that total the education sector's goal is $85,000.

Yours sincerely,

William H. Danforth
Chancellor

REMINDER: Contributions or pledge cards should be mailed to The Arts and Education Fund Drive, c/o University Community Center, One Brookings Drive, St. Louis MO 63110. Additional contribution cards are available in the Personnel Office. Contributions can be made through payroll deduction.

Health and life insurance updates

The University health and dental insurance contribution will increase from $92 to $110 per month for active full-time employees as of July 1, 1988, and from $46 to $55 for active part-time employees working 50 percent time or more and have one year of service. The University contribution for union employees will be in accordance with the union contract.

The University provides non-union retirees with $5,000 of paid up life insurance if they are insured for the optional life insurance immediately prior to retirement. This benefit is also provided for Bridge Benefit participants at the end of the bridge benefit period whether or not they have optional insurance.

Personnel News

Personnel News appears monthly in the Record and is prepared by Gloria W. White, associate vice chancellor for personnel and affirmative action, and other members of the Personnel Office. Personnel News is designed to keep Washington University employees and their families informed of the benefits and opportunities available at the University.
CALENDAR


Friday, April 29

Saturday, May 7
1 p.m. Dept of Music Presents pianist Linda DiGiglio performing Janacek's piano cycle "On the Overgrown Path" and the works of Josef Suk and Vitezslav Novak. Brown Hall Lounge.

LECTURES

Thursday, April 28
4 p.m. Dept of Germanic Languages and Literatures. Readings from Hesse-Josef Orbell. Mark Twain Circle. WU Auditorium. The lecture will be read from his novel, "Der Widerspenstigen Zähme.

Thursday, April 28

EXHIBITIONS

"Permanent Collection." Through June 6. Gallery of Art, lower level. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-5423.

FILMS

Thursday, April 28
7, 8:15 and 9:30 p.m. WU Filmboard Series, "The Cabinet of Dr. Caligari." $2. Brown Hall.

Friday, April 29
4 and 7 p.m. School of Fine Arts Fashion Show. "American film designs of the 1930's," including bronze sculpture and stamped metal works by the student composition class. (Also 2 p.m. and 8 p.m. Saturday, April 30, and 7 and 8:30 p.m. Sunday, April 30 in Deerfield Auditorium and the Metro Theater. Admission is $8 for adults, $5 for children.

Friday, May 6
Noon. WU Woman's Club Spring Luncheon. Jenny Walnut will give a film about Gypsy Reed, the wife of James Reed, who worked on the W. C. Fields movie "The Crowd." $7.50 for members; $10 for non-members.

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MUSIC

Thursday, April 28
8 p.m. The WU Theatre Concert of works by the student composition class. (Also April 29 and May 1). Mallinckrodt Center Dance Studio, Room 206. Tickets are $2 for students, faculty, staff, $5 for the general public. For info., call 889-9589.

Friday, April 29
8 p.m. Ed Weinhardt Presents the Metro Theatre Classic's in "Songs of RiverMagic." Featuring "Songs of the Cree," "The River," "Riverboat" and "Tribes," among others. $2 per show; additional fee of $1 is required for each additional show. For more info., call 889-5858.

SPORTS

Friday, April 29
5 p.m. Men and Women's Track and Field. WU Invitational. Francis Field.

Saturday, April 30
3 p.m. Dept of Music Presents "Chorale and Elegy." WU Music Center. Pizzicato, PV. The concert will feature dance compositions choreographed by the students. 7:30 p.m. Dept of Music Presents "Save the surgeons for James Turner Voyvodic, Dept. of Biological Sciences (integrative and cell biology). The dissertation title: "Approaches to the Study of Social Work Morris Wortman Institute.

Tuesday, April 5

Wednesday, April 6
11 a.m. Dept of Biology Seminar. "MFA Exhibition," works by WU's finest master's students. Gallery of Art, upper galleries. Through May 1. 10 a.m.-6 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-5423.

"MFA Exhibition," works by WU's finest master's students. Gallery of Art, upper galleries. Through May 1. 10 a.m.-6 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-5423.

"Historic Films in Philadelphia," works by WU master of fine arts candidates. Gallery of Art, upper galleries. Through May 1. 10 a.m.-6 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-5423.

"Images by Illustrators," co-sponsored by the Phi Mu Alpha Sinfonia Fraternity and Phi Mu Alpha Sinfonia. Foundation. Through May 6. Hilton Hotel, 6000 Forsyth Blvd. 9:30 a.m.-4:30 p.m. weekdays.

Friday, May 6
11 a.m. Dept of Music Presents pianist Ewa Szymicki performing pieces of Leos Janacek's "The Diary of One Who Vanished." $7.50 for members; $10 for non-members.

Friday, May 6
1 p.m. Dept of Music Presents "Beethoven's Final Years, 1967-1987." 113 Busch.

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