Burgeoning mathematical theory

New ‘wave’ researchers awarded grants

Three Washington University mathematicians have received a grant of $600,000 for three years to study wavelets, a burgeoning mathematical theory that allows scientists to break down complicated data into their most fundamental pieces, reassemble them and then transmit the data, or “signals,” without losing any of the important details.

The three mathematicians also have received a $200,000 grant for three years from the National Science Foundation in an arrangement called a “group grant.” These grants are awarded to encourage researchers with similar interests to do collaborative work.

Weiss, Rochberg and Taibleson have a burgeoning mathematical theory that totaling approximately $600,000 for Weiss, Ph.D., Richard H. Rochberg, Ph.D., and Mitchell H. Taibleson, Ph.D., and helping attract visiting professors and improve instruction.

The grant involves not only different ways of using wavelets, but also the potential for wavelets to be applied to new problems. For example, one potential application of wavelets is in medical imaging technologies of the future. The theory may allow analysts to develop more exact physiological information from the medical imaging technologies of the 21st century: the Holocaust, the Chinese Cultural Revolution and the Holocau.

Holocaust expert gives memorial lecture

A co-author of the 1990 book, "The Genocidal Mentality: Nazi Holocaust and Nuclear Threat" will give the Holocaust Memorial Lecture at 11 a.m. on Wednesday, Nov. 7, in Graham Chapel.

Robert Jay Lifton will discuss "Beyond Genocide — Learning From the Nazi Doctors" during the lecture, which is free and open to the public.

Lifton is Distinguished Professor of Psychiatry and Psychology at the City University of New York's John Jay College of Criminal Justice, Graduate School and University Center, and at Mount Sinai Medical Center. He also directs the Center on Violence and Human Survival at John Jay College.

He has played an active part in developing the field of psychohistory, which studies the relationship between individual psychology and global historical change. Lifton is particularly interested in the problems surrounding the extreme historical situations of the 20th century: the Holocaust, the Cultural Revolution and the bombing of Hiroshima.

Lifton, who since 1977 has been researching the medical behavior at Auschwitz and of Nazi doctors in general, also wrote "The Nazi Doctors: Medical Killing and the Psychology of Genocide," which was published in 1986. It won both the 1987 National Jewish Book Award-Holocaust and the 1987 Los Angeles Times Book Prize for history.

He has received numerous awards for his work including the 1984 Gandhi Peace Prize and the 1986 Holocaust Memorial Award. He is a founding member of International Physicians for the Prevention of Nuclear War, which won the 1986 Nobel Peace Prize.

The lecture is sponsored by the Assembly Series, Department of History, Humanities Program in Medicine, Program in Jewish and Near Eastern Studies, Religious Studies Program and Student Union. For more information on the lecture, call 889-4620.

Inside: MEDIC RECORD

• A study shows that a diet high in cholesterol can affect people with diabetes.

Justice O'Connor will address campus community

Sandra Day O'Connor, Associate Justice of the Supreme Court, will keynote the 1990 Mr. and Mrs. Spenser T. Oldin Conference at 11 a.m. on Nov. 8 in Graham Chapel. The lecture is only open to Oldin Conference guests and members of the campus community.

Tickets are necessary for admission to the lecture and can be picked up in person at the tables listed below on campus. Each person entering the room must show a valid Washington University identification card is required.

• Students (all undergraduate and graduate students) will keynote the 1990 Mr. and Mrs. Spenser T. Oldin Conference at 11 a.m. on Nov. 8 in Graham Chapel. The lecture is only open to Oldin Conference guests and members of the campus community.

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New faculty are introduced

Beginning with this issue, the Record will feature a weekly series profiling new faculty on the WashU campus.

William A. Barnett, Ph.D. professor of economics, comes to the University from the University of Texas at Austin. A native of the Midwest, Barnett is a professor of economics. He has been a visiting professor at Johns Hopkins University, the "universite de Aix-en-Provence in France, Moskau University in Russia, and Duke University. He received a bachelor's degree in mechanical engineering with a minor in economics in 1965 from the Massachusetts Institute of Technology, a master's degree in business administration in 1965 from the University of California at Berkeley, and a master's degree in economics in 1970 and a doctorate in statistics in 1974, both from Carnegie Mellon University. His research interests include empirical and theoretical consumer demand modeling, applied and theoretical econometrics, monetary aggregation theory and Bayesian and sampling theoretic inference in infinite dimensional parameter spaces.

Researchers - haps most excited by the opportuni-

ties we will have in bringing people to Washington to share interest and share expertise in this intriguing field."

According to Weiss, six postdoctoral students are involved in the fast-packet project. The research team includes a mathematician, a computer scientist, a computer engineer, an electrical engineer, and a physicist. The team is working on a project called "Wavelet Packets," which involves the use of new algorithms to analyze and process signals. The research is focused on developing new methods to analyze and process signals, and the team is working on developing new algorithms to analyze and process signals. The team is working on a project called "Wavelet Packets," which involves the use of new algorithms to analyze and process signals. The research is focused on developing new methods to analyze and process signals, and the team is working on developing new algorithms to analyze and process signals.

The seminar features an array of speakers from a variety of disciplines, including mathematics, computer science, and engineering. The seminar is open to the public at a fee of $15 for students and $25 for corporate attendees, which includes continental breakfast and a box lunch. To register, call 889-6320 or 726-4212.

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Donald Berg, M.D., professor of neurology and director of the Alzheimer's Disease Research Center at the School of Medicine, participated in a panel on the prevention of Alzheimer's disease and old age at a meeting hosted by the National Institute on Aging in Bethesda, Md. At the meeting, neuropathologists from North America and Europe concluded that criteria for diagnosing Alzheimer's disease should be expanded to include advanced aging and other disorders of the brain. He also attended the Fifth Congress of the International Federation of Psychiatric Epidemiology in Montreal. He conducted a workshop and participated in symposia dealing with techniques for identifying and assessing minor cognitive impairments and early dementia in population samples.

Iver Bernstein, Ph.D., assistant professor of history, held a research fellowship at the Historical Society of Pennsylvania in Philadelphia, as part of a book project titled "The Origins of the American Civil War," which will be published by Oxford University Press. He also participated in a conference on "The Future of Democracy" at the annual meeting of the American Political Science Association in San Diego. He is a member of the Nationalism and European Broadcast- ing Project at the School of Communication. Bernstein was a member of the International Society for the Study of European Ideas at Leuven, Belgium. An NEH Fellow in Cambridge, England, in 1989-90, he also gave talks at the universities of Amsterdam, Bristol, Edinburgh, Halifax, Kent, London, Oxford and Princeton.

Lawrence Conlon, Ph.D., professor of neurology, wrote a paper on "Topological Obstructions to the Smoothability of Proper Foliations" at the conference on "The Foundations of Democracy" at the annual meeting of the American Political Science Association in San Diego. He is a member of the Nationalism and European Broadcast- ing Project at the School of Communication. Conlon was a member of the International Society for the Study of European Ideas at Leuven, Belgium. An NEH Fellow in Cambridge, England, in 1989-90, he also gave talks at the universities of Amsterdam, Bristol, Edinburgh, Halifax, Kent, London, Oxford and Princeton.

NOTABLES

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Soccer team enters championship play

For the eighth time in the last 13 years, the men's soccer team has earned an at-large bid to the National Collegiate Athletic Association Divi- sion III Men's Soccer Championship tournament. The Bears (12-5-0) play a first-round game in the South Central Regional on Wednesday, Oct. 31, at 1 p.m. in Jacksonville, Ill., against MacMurray College (14-3-1). The winner of next Wednesday's game faces Wheaton College (16-2-0), the region's top-ranked team, on Saturday, Nov. 10, in Wheaton, Ill. The soccer team has enjoyed a successful run in previous tournaments, finishing at the national runner-up in its last two appearances in 1985 and 1987. In first-round games, the Bears own a 7-0 record.

Trouble in the Middle East

Maurice R. Chambers, a life trustee of the Washington University Board of Trustees and board chairman from 1977 to 1980, died Oct. 14 at Bethesda Washington Metropolitan Hospital of a long illness. He was 74.

Chambers was former president and intercom executive of Intercom Inc., formerly International Shoe Co. By 1976, when he relinquished his position as chief executive and became chairman of the executive committee, Intercom had become the 15th largest industrial company in the United States. He was an energetic civic leader who headed campaign drives for numerous community organizations, including the Arts and Sciences Council of Greater St. Louis, the St. Louis Regional Council of Growth Association and the St. Louis Art Museum. He was named the St. Louis Globe-Democrat's Man of the Year in 1971. Chambers had been a Washington, D.C., resident since March 1968, and he left his life trustee in 1990 after resigning as chairman due to failing health. Before his election as board chairman, he was a member of the executive, budget, nominating and investments committees and served as chairman of the board of managers for six years.

Chambers was a member of the William Greenleaf Eliot Society along with his wife, Mildred, Chambers was responsible for several scholarships in the John M. Olin School of Business. In addition, Washington's Interfraternity Council annually sponsors the Maurice Chambers Community Service Award, which is given to a member of the fraternity chapter that has contributed the most to the advancement of the campus for six years. In addition to his wife, Chambers is survived by a daughter, Cynthia Ruth, and two brothers, John R. Chambers and Thomas P. Chambers, and two grandchildren.

Memorial contributions may be made to the Endowment Fund of St. John's United Methodist Church or to a charity of the donor's choice.

Morton E. Smith, M.D., professor of ophthalmology, was elected to the board of directors of the American Board of Ophthalmology.

Martha Storandt, Ph.D., professor of psychology, chaired a special session on the report of the Ethics Publishing Task Force of the American Psychological Association at the association's annual meeting in St. Louis.

Carl Wellman, Ph.D., professor of philosophy and Hortense and Tobias Lewin Distinguished Professor in the humanities, has his sabbatical leave spent writing about the grounds of legal and moral rights at Oxford University. He also pre- sented a paper on Locke's Right to Revolution at the University of Istanbul. He read his paper "Violence, Law and Basic Rights" at Jagiellonian University in Krakow and at the Human Rights Centre in Poznan, Poland. He lectured on Politics and Constitutional Rights at a joint meeting of the Austrian and Hungarian na- tional sections of the IVR near Graz. In addition, he participated in a meeting of the Executive Committee of the IVR at the University of Graz to discuss a possible session on Human Rights Today.

Kristin E.E. Zapalac, Ph.D., visiting assistant professor of history, chaired a session at the 1990 Midwest Political Science Association at a conference on "Constructing the Constitution," held at the University of Massachusetts at Amherst.

Have you done something noteworthy?

"Have you presented a paper? Won an award? Have you been selected for a post-doctoral appointment? Have you been elected to a board, committee or council? Have you been named the recipient of a distinguished award? Have you been cited in the media?

Washington University faculty and staff make news as specialists in their fields. Following is a digest of media coverage they have received during recent weeks for their scholarly activities research and general expertise.

The joint degree program in law and Asian studies was recently approved to be the first of its kind in the country, says William C. Jones, J.D., Charles F. Engel Professor of International and Comparative Law, in a New York Times article on the program that appeared in the Washington Post. Jones is one of the program's founders, says, "We started this out of a belief that there have to be more opportunities for students to deal with the Far East." Rawson Fulton, a second-year law student at WUSTL who participated in the program, also quoted in the article. "I see the trend in law and business to look towards Asia," says Hubbell. "And the focus is going to be in the Pacific Rim."
Attention to detail: watching the brain pick and choose

Have you ever walked into a crowded room and spotted a friend by recognizing his favorite red sweater? Maybe you picked him out because he’s tall or because of the way his shoulders move when he walks. Whether it was his shoulders or his favorite red sweater, you paid attention to a particular type of visual information. The search shifted your visual system into high gear and a remarkable process of elimination allowed you to sift through your surroundings and select the cues you needed to find a familiar face.

This amazing ability of the brain to select the information it needs and bypass what it does not has baffled scientists for years. Only recently have the researchers involved in trying to make up the exposure to the cerebrum where the brain brain’s visual centers as to what we want to select and ignore. Researchers in identifying which parts of the visual cortex participate in selecting information beyond the eye, known as the LGN, (lateral geniculate nucleus) does not appear to be affected.” Petersen says. “You have to go further into the visual system. These visual association areas we see with PET are affected by attention.”

Measuring thought

At different times subjects were asked to identify changes in a single characteristic and changes in all three characteristics. Subjects proved to be more sensitive to subtle changes when they focused on a single characteristic, Petersen added. “We are better looking for one thing than having to search for several.”

“Even though the visual stimuli were the same, when you pay attention to a particular aspect of an object, as shape, what you are thinking about turns up a certain visual association area,” he explains. “We actually could measure what people were thinking with PET, because the scan or exposure picks up how the marker is flowing through the brain. Blood flow changes locally with how hard your brain is working — how much nerve cells are firing.”

Cornerstone of consciousness

What science knows of brain physiology comes largely from animal studies, particularly in monkeys, because living human tissue cannot be analyzed closely enough. Scientists know there are different parts to the visual association cortex, such as the primary visual cortex, which is the main receptive area for visual input. But minding it are several other brain structures — areas which Petersen says receive information from the primary visual cortex but are related to a higher level of visual processing. Petersen notes that selective attention is related to concentration, which is defined as the amount of information people can carry in working memory. Selective attention is a tool that aids in identification. “If you’re told to look in a crowd for a friend wearing a red coat, looking for the redness helps you find your friend,” he says. “You are given that information and are able to use it.”

Scientists are just beginning to understand attention, he comments. One reason it has captivated the scientific audience is because it is the cornerstone of consciousness.

“Studying attention is a way to get closer to studying consciousness,” Petersen says. “It is a studied a great deal in the fields of psychology, philosophy and neuroscience — all are interested in attention because it’s so relative to how we understand the world. It’s of great interest to curious humans in getting closer to understand how we become conscious human beings.

“Many mental illnesses are attributed to attention deficit disorder, schizophrenia, depression, both for living stress and other brain damage,” he continues. “The more we learn about brain processes information related to attention, the better off we will be.”

Gail Carson

A photographer with Cable News Network/Washington/Meador/Corbett, M.D., as he preforms a study participant for a PET scan. A story on Corbetta’s and Steven Petersen’s work aired on CNN last week.

Robert H. Waterston receives MERIT status for muscle research

Robert H. Waterston, M.D., Ph.D., professor of genetics and associate professor of anatomy and neurobiology at the School of Medicine, has received MERIT status from the National Institutes of Health (NIH) for his latest grant.

The five-year grant from the National Institute of General Medical Sciences, a part of the NIH, totals $43 million. The funding enables Waterston to continue research on the role genes play in muscle tissue. MERIT (Method to Extend Research in Time) status for the grant offers Waterston uninterrupted financial support without the time-consumptive reporting delays traditionally associated with grant renewal applications.

Researchers cannot apply for MERIT status, but are chosen in recognition of their significant commit- ment to excellence based on previous research. Once received, a five-year grant with MERIT status may be extended another three to five years, based on an exceptional record of work accomplished during the initial period.

“Countless insights into cellular development have emerged as a result of Robert Waterston's pioneering research,” says Chancellor William H. McRaven. “His work is providing an understanding of the role of genes in muscle development, and ultimately could have significant implications in the study of human genetics and human neuromuscular disease. We are pleased that NIH has recognized his outstanding contributions.”

Waterston’s research involves the use of nematodes, tiny transparent worms in which neuromuscular development could have significant implications in human genetics and human neuromuscular disease. Waterston's research is conducted at the School of Medicine, has received MERIT status from the National Institutes of Health (NIH) for his latest grant.
Fisher to study asthma in kids

Edwin B. Fisher, Jr., Ph.D., director of the Cardiovascular Research Center at the School of Medicine, has received a $3.1 million grant from the National Heart, Lung, and Blood Institute to study methods for controlling asthma among the elderly.

Researchers will collaborate with Geri F. Ratner, M.D., chairman of the Department of Geriatrics and Gerontology, a private social welfare agency, to organize and evaluate a neighborhood support program for improving asthma management among low-income elderly people in four St. Louis neighborhoods.

Efforts in each neighborhood will include promotional campaigns to increase awareness of asthma; distribution of educational information to help people identify asthma and get them continuing care; and the training of volunteers as asthma advocates to work with asthmatic children and their caregivers. Fisher, who is principal investigator, has received a $205,000 Society research professor.

Patient cured of abnormal heart rhythm

A 46-year-old Illinois woman is among the first patients in the nation and the first in Missouri to be cured of an abnormal heart rhythm using high-frequency, electrical energy.

The patient was discharged from Barnes Hospital on Oct. 24. Doctors here say she has new rhythm therapy will eliminate the need for medicine or surgery in many patients with certain types of heart arrhythmias.

The technique, called radiofrequency catheter ablation, is being studied at the School of Medicine and at St. Louis University.

Lindsay, M.D., Robert Hoyt, M.D, and Michael Cain, M.D., the cardiologists used a catheter in the woman's heart to transmit high-frequency, electrical pulses to a small portion of tissue within the heart's electrical system.

Using radiofrequency electrical energy, the tissue containing the errant electrical pathway was selectively destroyed. The result was a perfectly healthy heart, according to Cain.

The advantage of radiofrequency electrical energy, Cain says, is that the intensity and duration of the energy transmission can be precisely controlled, allowing doctors to selectively destroy small portions of tissue with the same accuracy that previously could be achieved only with surgery.

Further studies to be done are ongoing, study of only 59 percent. Compliance improved to 75 percent for patients who were taking medications every 15 minutes. When the patient removed a dose of medication, the wire is broken and the electrical impulse fails to return to the electronic memory, the tape is removed. The data, which reveal the date and time to within 15 minutes that each dose was removed, is later transferred to a desktop computer that processes and prints the information for analysis by physicians.

Significant problem

The last decade, scores of papers have addressed the issue, he adds, attempting to isolate a factor or combination of factors that could help categorize patients as compliant or non-compliant. The studies are conflicting, for the most part, and the team believes that an electronic monitoring system could help.

A pill a day keeps the doctor away

Seth Eisen, M.D., holds the electronic pill-patient's prescription. Thomas is pleased about the use of the simple definition — that a patient isn't taking medicine in the blood. "It just makes sense," says Eisen, "It's about a 'take' and work, for patients with a type of arrhythmia, and to the many treatment options available, including those in pilot studies here at Washington University and the University of Michigan and the University of Oklahoma.

The new therapy is an addition to the many techniques available and is expected initially to benefit patients with a type of heart rhythm, and heart arrhythmia heart surgery, which has a near 100 percent cure rate. The patient is among the first to undergo the procedure, including those in pilot studies here at Washington University, the University of Michigan and the University of Oklahoma. The new therapy is an addition to the many techniques available and is expected initially to benefit patients with a type of heart rhythm, and heart arrhythmia.

Radiofrequency catheter ablation, is among a small number to undergo the procedure, including those in pilot studies here at Washington University and the University of Michigan and the University of Oklahoma. The new therapy is an addition to the many techniques available and is expected initially to benefit patients with a type of heart rhythm, and heart arrhythmia.

Ratner receives grant from cancer society

Lee Ratner, M.D., Ph.D., associate professor of medicine and assistant program director for the cancer research program of the School of Medicine, has been selected for a five-year grant from the American Cancer Society research prof. In conjunction with the appointment, he has offered a four-year grant to continue his studies on human lymphocyte antigens. The grant will be used to study certain immune system reactions in the replication of the human immunodeficiency virus, which causes AIDS.

He also will investigate human lymphotropic retroviruses, which can lead to certain types of cancer, and spinal cord disorders.

In addition, studies on the origin and development of human retrovirus infections. He is particularly interested in how some HIV strains can infect monocyties, the major blood cells affected when HIV infects the brain. He hopes to isolate the determinants responsible for infecting monocyties, and look at how proteins that enter specific HIV particles interact and assemble to form a new virus.

Ratner is co-director of the Washington University AIDS Clinical Trials Unit and oversees investigation of a variety of new and improved therapeutic strategies for the treatment of HIV infection and related retroviruses. Washington University AIDS Clinical Trials Unit is one of 17 nationwide that receives funding from the National Institutes of Health.
Lipid Research Center to train physicians in cholesterol care

The School of Medicine has been designated one of six centers for training physicians in how to better treat patients with high blood cholesterol and other lipid disorders. The American Heart Association (AHA) announced that it would provide $3 million for six regional sites that have been designated as Lipid Research Training Centers. The three-year educational program, coordinated by the AHA with support from Bristol-Myers Squibb United States Pharmaceutical Division, will train some 1,500 physicians in state-of-the-art diagnosis and management of lipid disorders. The goal of the program is to ensure that patients receive the highest quality of care for lipid dysfunctions.

"The recent advances in the blood that have been linked to heart and blood vessel disease, the nation's leading killer. Other training centers are located at Baylor College of Medicine in Houston; Johns Hopkins University School of Medicine in Baltimore; University of California in San Francisco/Berkeley; University of Iowa in Iowa City, and University of Washington in Seattle.

Washington University will train physicians from Kansas, Missouri, Arkansas, Tennessee, Kentucky, North Carolina, West Virginia, southern half of Indiana and Illinois, and the western half of Pennsylvania. Other schools are: University of the Pacific School of Medicine, San Francisco/Berkeley; University of Iowa in Iowa City; Baylor College of Medicine in Houston; Johns Hopkins University at Baylor College of Medicine in Houston; and University of Kentucky in Lexington. The School of Medicine has been designated as Lipid Research Training Center (ADRC) have re-

The School of Medicine has been designated as Lipid Research Training Center (ADRC) and will participate in the program. Program participants will study a wide spectrum of disorders and will receive specialized training in nutri-
tion, diet counseling and laboratory procedures. A continuing education component following completion of the program will reinforce skills the participants have acquired.

The School of Medicine's Center for Health Behavior Research, is recommended by the ACP's 60,000 members, approximately 200 nationwide have been awarded masterships in the past.

Masters are ACP fellows who because of personal character, positions of honor and influence, and eminence in medical practice or research are recommended by the Awards, Masterships and Honorary Fellowships Committee to the ACP Board of Regents. The Board of Regents selects masters recipients, who will receive their awards at the organization's 72nd annual session in New Orleans in April.

Earlier this year, the ACP recognized Karl by presenting him the Ralph O. Claypool Sr. Memorial Award for achievement in the clinical practice of internal medicine and for devotion to the care of patients. He was the ACP Governor for Missouri from 1982-87, and in 1978 was one of 40 members of a national advisory committee appointed by President Jimmy Carter to the White House Conference on the Family.

Karl is a diplomat of the Ameri-
can Board of Internal Medicine and a member of the St. Louis Medical Society and Alpha Omega Alpha, the honorary medical society. At the School of Medicine, both the Karl lectureship and the Irene E. Carl V. Moore, former president of the American College of Physicians (ACP).

Michael M. Karl, M.D., professor of clinical medicine in the School of Medicine's Center for Health Behavior Research, is the fourth physician in Missouri to achieve the honor. The late Carl V. Moore, former president of Washington University Medical Center and the School of Medicine's first vice chancellor for medical affairs, was the first Missouri physician to attain the esteemed position with the ACP. Of the ACP's 60,000 members, approximately 200 nationwide have been awarded masterships in the past.

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Want to see how the patient experience has changed? View our before and after photos to see the difference.

AIDS education: Second-year medical student Collins McDonald answers questions about AIDS from students at Britton Woods Middle School in University City. McDonald is taking part in the Students Teaching AIDS to Students (STATS) program, where some 50 students at the School of Medicine go into a school to teach seventh and eighth graders about AIDS. The goal is to educate young people before they begin behaviors that put them at risk for catching the disease. School children are also visited by a prevention specialist, such as part of the Stats program. Britton Woods is the second school to participate in the program.

American College of Physicians selects Karl to become a master

Michael M. Karl, M.D., director of clinical affairs for the Department of Medicine, has been selected to become a Master of the American College of Physicians (ACP). Karl is a diplomat of the American Board of Internal Medicine and a member of the St. Louis Medical Society and Alpha Omega Alpha, the honorary medical society. At the School of Medicine, both the Karl lectureship and the Irene E. Karl is a diplomate of the American Board of Internal Medicine and a member of the St. Louis Medical Society and Alpha Omega Alpha, the honorary medical society. At the School of Medicine, both the Karl lectureship and the Irene E.
Hilltop Campus staffing policy revised

The following is a memo to administrative staff personnel from Gloria W. White, vice chancellor for personnel and University Budget.

Effective July 1, 1991, the Washington University Hilltop staffing policies will be changed. Listed below are the new policies that will be in effect for staff, professional and administrative employees. Some of the policy revisions were necessary for several reasons:

1. The Account 10 budget category was developed originally to provide the same benefits for "key administrative and support" as were available to faculty. Today, benefits are the same for all personnel categories — faculty, staff, professional and administration.

2. To accommodate holiday and vacation policies throughout the University, it is important that the interdependence of the Hilltop and Medical campuses be maintained. Therefore, Washington University’s mission is education. The faculty, professional and support staff members of the faculty is provided by non-faculty personnel — staff, professional and administrative. It is believed that the policy revisions will improve the University’s well and enhance its efficiency.

Revised personnel categories

The Washington University Hilltop Campus will have two budget categories of personnel. The budget categories are:

Account 11 - Faculty
Account 12 - Staff, Professional and Administrative employees

The Account 12 budget category will be designated exclusively for employees who work with Fair Labor Standards Act (FLSA). The Account 10 budget category will be eliminated.

Vacation

As of July 1, 1991, all full-time non-exempt personnel will be eligible to earn twenty-two (22) days of vacation annually.

Vacation time is accrued from July 1 through June 30 on a fiscal year basis. The number of annual vacation days available will be prorated according to the number of full months worked prior to the vacation month. Vacation time may be taken at any time after it has been accrued following six months of service, but in any case no later than the end of the next fiscal year (June 30). The scheduling of vacation time requires the approval of the department head. Vacation time accrues but may not be taken and is not considered earned until the completion of six months of service.

The maximum number of actual vacation time taken will not be granted to employees continuing their employment with the University for another department. In the case of transfer the unused annual leave which is earned will be transferred from the old to the new department by journal transaction, and the time shall be given to the employee when it is mutually convenient.

Sick leave

Each employee who is in full pay status will accumulate sick leave at the rate of one (1) day for each sixty (60) days worked. Sick leave worked for more than six months will be in full pay status will accumulate sick leave at the rate of one (1) day for each sixty (60) days worked.

The existing sick leave policy will be continued. Sick leave taken during the six months of probationary period is prorated according to the number of full months worked. Sick leave will be prorated based on a ratio of six months to a full year.

Vacation pay in lieu of actual vacation

Vacation pay in lieu of actual vacation will be provided for employees who are granted time off with pay for the following holidays: Independence Day, Labor Day, Thanksgiving (Thursday and Friday), Christmas Day, New Year’s Day, Martin Luther King Jr.’s Birthday and Memorial Day.

Fringe benefits

The existing fringe benefits program will not be affected by the revisions in the personnel categories. However, in the past, the University may from time to time make revisions in the benefit plans.

Sick leave

Each employee who is in full pay status will accumulate sick leave at the rate of one (1) day for each sixty (60) days worked. Sick leave worked for more than six months will not be taken and is not considered earned until the completion of six months of service. Sick leave taken in excess of the maximum sick leave will be paid at the regular rate until the maximum is reached.

Vacation pay in lieu of actual vacation

Vacation pay in lieu of actual vacation will be provided for employees who are granted time off with pay for the following holidays: Independence Day, Labor Day, Thanksgiving (Thursday and Friday), Christmas Day, New Year’s Day, Martin Luther King Jr.’s Birthday and Memorial Day.

Fringe benefits

The existing fringe benefits program will not be affected by the revisions in the personnel categories. However, in the past, the University may from time to time make revisions in the benefit plans.

Paid holidays

The following holidays: Independence Day, Labor Day, Thanksgiving (Thursday and Friday), Christmas Day, New Year’s Day, Martin Luther King Jr.’s Birthday and Memorial Day.

Fringe benefits

The existing fringe benefits program will not be affected by the revisions in the personnel categories. However, in the past, the University may from time to time make revisions in the benefit plans.
Lectures

Thursday, Nov. 1
1 p.m. Black Arts and Sciences Festival Lectures: "The Challenge of the Field: "Legacies," James E. Krause, Dept. of Anatomy and Aud. Co-sponsored by the St. Louis Society of Apollo," Sarantis Symeonoglou, WU prof, of art gold medal winner at the New York International Lecture Series, Noon. Dept of Pharmacology Lecture, the Archaeological Institute of America. dig on the Greek island Ithaka. Steinberg Hall history and archaeology, gives an illustrated Illustrated Lecture, 6:30 and 8:30 a.m. WU Association Travel Scholarship, U. of Rochester. 311 McMillen Lab. Center. For info., call 889-5970 or 889-5690.

Friday, Nov. 2
Noon. Dept of Cell Biology and Physiology Seminar Series, "Muscle Molecular Biology of the HC-ATPase," Michael Ruben, U. of California, Berkeley, gives an illustrated Illustrated Lecture, 8:30 a.m. to 5 p.m. weekends.

Saturday, Nov. 3
4:30 p.m. Dept of Mathematics Colloquium, "The Role of Groups in the Hamiltonian," Simon T. Cueting, gives an illustrated Illustrated Lecture, 4 p.m. to 5 p.m. weekends.

Sunday, Nov. 4
2 p.m. Dept of Art History and Archaeology Illustrated Lecture, "The Art of Ribs," flashcards, ink and woodblock prints by Dan Gualdoni, WU lecturer. Also includes work from faculty in the School of Fine Arts. John M. Olin School of Architecture and Dept of Art and Architectural History. Through Dec. 2. Gallery of Art, Steinberg Hall, upper floor. Free. For more info., call 889-6606.

CALENDAR

Thursday, Nov. 1

Friday, Nov. 2
8:45 p.m. WU Invitational Travel Lecture Series, "Faciil Art Show," showcasing paintings and prints by Dan Guidotti, WU lecturer. Also includes work from faculty in the School of Fine Arts. John M. Olin School of Architecture and Dept of Art and Architectural History. Through Dec. 2. Gallery of Art, Steinberg Hall, upper floor. Free. For more info., call 889-6606.

Saturday, Nov. 3

Sunday, Nov. 4
6:30 and 9:30 p.m. Filmboard Foreign Series, "The Overture," and Khachaturian's "Masquerade Suite." For more info., call 725-9448.

Monday, Nov. 5
8:30 and 10:30 a.m. WU Association Travel Lecture Series, "Fashion Show of Flowers" Blinko Pavilion Leopard dresses designed at the New York show for $4. For more info., call 725-9448.

Tuesday, Nov. 6

Wednesday, Nov. 7
6:30 and 9:30 p.m. Filmboard Foreign Series, "Forced Employment," Dan Presgrave, chair prof. of History, Kansas. Room 30 January Hall. For more info., call 726-4346.

Thursday, Nov. 8

Friday, Nov. 9

Saturday, Nov. 10
3 p.m. Venus Geology," Bruce Fegley, Max-Plank-Institut Fur Chemie, Mainz, Germany. Room 102 Steinberg Hall, lower floor. For more info., call 889-4620.

MISCELLANY

Friday, Nov. 2
5:45 p.m. Ballet Series: "Class," 8:30 p.m. Ballet Series: "Technique," 8:30 p.m. ballet series: "Technique," 8:30 p.m. For more info., call 725-9448.

Saturday, Nov. 3
1 p.m. Six Interior Home Collembus Historical Society and Collembus Historical Society. For more info., call 725-9448.

Saturday, Nov. 4

Calendar Deadline

The deadline to submit items for the Nov.-87 WU Budget "Next New Initiatives" column is Nov. 1. Items should include date, time, place, nature of event, sponsor and admission cost. If possible, include your name and identification as the event's organizer. Send items to "New Initiatives," Nov. 1. By phone to 722-0916, by electronic mail to p72245AC at WUVMC.

Social services director to discuss new initiatives

"New State Initiatives" will be discussed by Gary J. Stagner, director of the Missouri Department of Social Services, during a lecture at 11:30 a.m. Nov. 8 in Brown Hall Lounge. All WU faculty, staff and students, the public, is part of the fall lecture series sponsored by the George Warren Brown School of Social Work.

Stagner will discuss what he calls "the critical battlefronts and day care—care system" and what needs to be done in the 1990s to improve child care services. He also will discuss the escalating costs of indigent health care, as well as his department's plans for implementing the Family Support Act.

Stagner has been director of the Department of Social Services (DSS) since February 1984, and chairman of the former DSS and Office of Social Services. He was a consultant to the Missouri legislature for more than 10 years. Before that, he was the director of the Missouri Department of Social Services; and an administrator of the Missouri Department of Social Services.

For more information on the lecture series, call 889-6666.

Saturday, Nov. 10
9 a.m. WU Men's Swimming and Diving Club Holds Racquetball Tournament, Doubles and mixed doubles matches, entry fee $1, includes lunch. Schmidt Field House of the Missouri Department of Social Services.

7:30 p.m. Black Arts and Sciences Festival Talent Show, "A Showcase of Black Talents," featuring members of the Association of Black Students and the Committee on Religious Studies. The Great Hall, Schroeder Center. For more info., call 889-5797 to 889-5690.


4 p.m. Dept of Biology Seminar, "Genetics, Heredity and the Environment," Judy Wells, Dir. of Engineering, U. of Illinois, Urbana. For more info., call 889-5616.

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