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Carl Frieden, Ph.D., professor and interim head of biological chemistry at Washington University School of Medicine, has been honored for his scientific contributions by receiving MERIT status for his latest grant.

The award is from the National Institute of Diabetes and Digestive and Kidney Diseases, part of the National Institutes of Health (NIH). MERIT (Method of Extended Research in Time) Awards provide long-term, uninterrupted financial support to investigators who have demonstrated superior achievement during previous research projects. The grant for which Frieden received the MERIT award is expected to exceed $1.2 million.

Only a few NIH grants are selected for MERIT status. Researchers who receive the award are freed from time-consuming paperwork and other delays traditionally associated with grant renewal applications. The initial five-year award is accompanied by an opportunity to extend it three to five more years, based on an expedited review of work accomplished during the initial period.

"This award is truly a distinction," says William H. Danforth, chancellor of Washington University. "Researchers may not apply for MERIT status, but are chosen by the NIH in recognition of their continued commitment to excellence. We congratulate Carl Frieden on the outstanding achievement signified by this honor."

Frieden is director of the Medical Scientist Training Program at the School of Medicine and recently was appointed interim head of the Department of Biological Chemistry. His research focuses on the relationship between the three-dimensional structure of proteins and their function. Specifically, he is attempting to describe the kinetic properties of proteins that act as catalysts, and the strategy they use for speeding a reaction. He also is studying actin — an important protein component in all cells of the body — and the relation between this protein and certain cellular functions.

Frieden came to Washington University in 1955 as a postdoctoral fellow, and joined the faculty in 1957 as an instructor in biological chemistry. He was named a professor in 1967, and interim department head earlier this year.

He has served as council member of the American Society of Biological Chemists and as an alternate council member of the American Chemical Society’s Division of Biological Chemistry. He also is a member of the American Society of Cell Biology and the American Association of Advancement of Science, and serves on the editorial board of Biochemistry.

He has served on the editorial board of the Journal of Biological Chemistry and the Archives of Biochemistry and Biophysics. He received the St. Louis Award of the American Chemical Society in 1976, Frieden is co-author of more than 100 publications on his research. He received a bachelor’s degree in chemistry from Carleton College in 1951 and a doctorate in chemistry from the University of Wisconsin in 1955.
Polish actor directing prize-winning play

The world premiere of "On the Edge of the World," by local playwrights, was presented at 8 p.m. Nov. 14, 15, 21 and 22 in Eden Theatre by the Performing Arts Area at Washington University. A winner of the 1986 St. Louis Playwrights Festival, the play was one of four (selected from 62 scripts submitted) read during the festival, which is sponsored by Washington University. "On the Edge of the World" is being directed by Stanislaw Brejdygant, an eminent director, writer and actor from Poland.

Brejdygant, who also will perform in the premiere, believes the play has strong resonances that apply to modern times. He says the message is significant because it addresses women's issues as well as racial issues.

"It's about the abnormality of a world without freedom," said Brejdygant. "The lack of freedom is like a disease. It rejects and corrupts everyone — masters as well as victims."

Performing in the production are Brejdygant as Gonclaves the master, and Ann Marie Costa, visiting assistant professor of drama, as Regina the wife. The servants are played by Roberta Rudolph as Maria; Gay Montgomery as Esmeralda; and Glynnis Brooks as Gloria. Brejdygant, who has directed several theatre and opera productions, as well as films and television programs in Poland, is particularly known for his stage productions based on the novels of Dostoyevsky: The Eternal Husband and Crime and Punishment.

Another adaptation, The Idiot, was performed in Montreal last year. Author of the novel To Be God, Brejdygant also has written poetry, essays, television and film scripts. Plays he has written include "The Colony of Liberation," "The Librarians," "The Rehearsal" and "Golgota."

Brejdygant has been active in the Solidarity movement in his native Poland and was vice president of the Polish Association of Theater, Film and Television Artists until it was deemed illegal by the authorities.

He received a master's degree in directing from the National Film School in Lodz. He also holds a master's degree in acting from the National School of Drama in Lodz and a master's in Polish literature from Warsaw University. He currently is teaching courses in playwriting and directing at Washington University.

Tickets for the performance are $5 to the general public and $4 for Washington University faculty, staff and students and senior citizens. For more information, call 889-6543.

Paintings from Kohn's Spain sabbatical will be on exhibit

Bill Kohn, professor of art at Washington University, will exhibit paintings from his 1985-86 sabbatical in Seville, Spain, at Bixby Gallery in Bixby Hall. The exhibit, titled "Bill Kohn: Sabbatical Exhibition," opens with a reception at 5 p.m. in Bixby Gallery and a slide lecture at 4:30 p.m. Sunday, Nov. 9, in Steinberg Auditorium. The exhibit closes Nov. 24.

Kohn's work also will be featured Nov. 2 to Dec. 3 in "Andalusian Sketchbooks" at Elliot Smith Gallery, 360 N. Skinker Blvd.

The pieces in both shows also were exhibited this summer in the Royal Palace, "The Alcazar," of Seville, with a special invitation to the opening issued by the mayor of Seville.

Kohn joined the University's School of Fine Arts faculty in 1963. Known for his abstract architectural paintings in Mexico and Chicago, he adds new clarity to his Spanish work. "The sun is brighter in Spain," he says. "The sky is clear — total blue. Not like in Mexico, where there were so many clouds, so much drama in the sky. In Spain, there are rarely clouds, the houses are basically white, and the sun hitting those houses is almost blinding."

More information, call Bixby Gallery at 889-6597.

New York sculptor, creator of tower at Laumeier Park, to explain work

New York sculptor Alice Aycock will speak at 8 p.m. Thursday, Nov. 13, in Steinberg Hall Auditorium. Aycock's lecture, titled "Alice Aycock: Projects and Ideas 1972-1986," is sponsored by the University's School of Architecture and co-sponsored by Laumeier Sculpture Park.

Aycock's lecture follows the acquisition of her sculpture "The Hundred Small Rooms" by Laumeier last July.

Aycock has created more than 60 sculptures, most of which have been large and involve elaborate assembly. "The Hundred Small Rooms" is a white, seven-story tower, 28 feet tall, consisting of a labyrinth of 64 rooms. The structure is based upon a fantasy tale, written by Aycock, titled "I have tried to imagine the kind of city I would live in as King and Queen."

Much of Aycock's work is based on childhood fears, dreams, philosophy and scientific theories. She has a fascination with the "magic" of electricity, schizophrenia and large blades and has used them as part of her design motifs.

Bookmark Society offers film series

The third season of literary programs sponsored by the Washington University Libraries' Bookmark Society is under way and offers a variety of literary opportunities to members of the St. Louis community.

This month, the Literary Cinema Series has returned with three films based on literary works. The movies were selected by Washington University professor, who will lead discussions after the viewing.

The first film, "The Lady Eve," was shown Nov. 2. Jeffrey Rusen, Ph.D., associate professor of classics, led the discussion.

The upcoming film discussions are:

- Sunday, Nov. 9: "The Lost Honor of Katharina Blum" (German, 1975), based on a novel by Heinrich Boll, the film is written and directed by Volker Schlondorff and Marianne Sarnowsky. "It's about the abnormality of a world without freedom," said Brejdygant. "The lack of freedom is like a disease. It rejects and corrupts everyone — masters as well as victims."

- Sunday, Nov. 16: "The Shooting Party" (British, 1985), based on a novel by Isabel Colgate, and directed by Alan Bridges, the film features many fine actors, among them James Mason (in his last role) and John Gielgud.

- Sunday, Nov. 23: "Solidarity" (Polish, 1981), based on literary works. The movies were selected by Washington University professor, who will lead discussions after the viewing.

The programs are free and open to the public.

Membership in the Bookmark Society, which costs $25 per person or $35 for a couple, includes library privileges; free admission to Bookmark Society lectures and the opportunity to participate in monthly book discussion groups. For more information, call 889-4670.

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Tickets for the performance are $5 to the general public and $4 for Washington University faculty, staff and students and senior citizens. For more information, call 889-6543.
Hughes remains in St. Louis from Thursday evenings until Monday mornings. On Fridays, he either works at his company's St. Louis office or takes a vacation day. He gets up at 6:30 a.m. to flight to Detroit, hops in his parked car at the Detroit airport, and rushes to work. He spends three days in Detroit, unless he has to travel to places like Atlanta, Canada or Mexico on business.

Reflecting on his schedule, the Iowa native says, "Studies show that the three most stressful things in life are having a baby, buying a new home and going to a new job. I'm doing all three at the same time."

"But when I obtained the opportunity in Detroit, I had invested too much time in the program to just quit. Washington University has one of the few international affairs programs in the nation that offers a business and cultural orientation to the international marketplace."

Hughes, who has been with the company for 13 years, has conducted business extensively in Brazil, Europe and Japan.

Traveling more than 3,000 miles a week for two University College classes isn't as taxing for Levis. He's single and has two adult daughters and a 16-year-old son, who attends a college preparatory school in Massachusetts.

He operates his own business in Phoenix and has a more flexible schedule. The St. Louis native is president of Diversified Packaging Associates Inc., a distributor and manufacturer of packaging materials in the Southwestern United States.

Levis enrolled in the master of liberal arts program in 1982 and will receive his degree by June 1987. He currently is taking classes on the Latin American novel and the literature of travel.

When Levis moved to Phoenix in 1984, he originally planned to continue the program via independent study. "But my time was totally devoted to starting my own business," he says, "so I had to drop the independent study idea."

However, he decided to re-enter the program this semester because "my business has been operating for two years and my management team runs it quite well when I'm away. I have the time now and I've hooked into a good airline schedule, so why not?"

"I don't mind it. It isn't a trying experience. If it were, I wouldn't do it. I travel all the time anyway and it has worked out. The classes are stimulating. My mind is working in other directions besides business. It's great therapy. To me, it's a high. I get a kick out of it because I'm learning. It's something I love to do."

Levis additionally was intrigued by the literature of travel course. Peter Riesenberg, Ph.D., professor of history, and William H. Matheson, Ph.D., professor of comparative literature, teach the course. "I had taken an earlier course on friendship and literature taught by the same professors and I was very impressed," recalls Levis. "So I was sure I'd enjoy the travel course too."

High-quality teaching also affected Hughes' decision to commute. "Despite the hurrying back and forth, the mysterious dinner meals served on airplanes, and the precious time spent away from family, I'm really lucky to be taking a course with Cornell Fleischer," he says. "He is one of the finest teachers here."

He also has high praise for the staff at University College. "The people at University College conduct themselves with the highest degree of professionalism," says Hughes, a member of the program's advisory board. "I've worked with them a long time. They've put together a unique program, and I'm glad to be part of it."
Lee Ratner, M.D., Ph.D., assistant professor of medicine at the Washington University School of Medicine, in collaboration with Robert C. Gallo, M.D., from the National Cancer Institute and six other researchers, has successfully cloned two mutants of the AIDS virus that may eventually be used to beat the original form at its own game.

The genetically altered viruses behave in exactly the same way as the original AIDS virus, except that they do not kill T cells — the white blood cells that control the body's immune system. Ratner and his colleagues, who reported their unprecedented results in an August 8 issue of Science, created disarmed variants of the AIDS virus by slicing into its genome.

Ratner and his fellow investigators opened up circular strands of the virus's DNA with a bacterial enzyme that cuts through the DNA at only one point on the circle. Then they added a second enzyme that chewed inwards from both ends of the DNA, as if it were removing beads from the ends of an unclasped necklace. In this way, they created holes of varying size along the DNA strand. By ligating or "reclamping" the ends, the investigators isolated six genetic variants, which, when added to cultured T cells, produced six correspondingly mutated viruses.

The two non-lethal mutants were created more or less by accident, according to Ratner. They were formed when the enzyme chewed past the suspected killing gene into the next gene, which really does control cell killing. The four mutants that contained alterations only in the originally suspected killing gene retained their ability to kill, ruling out that gene as the killing gene.

Because non-lethal mutants of the AIDS virus replicate just like the killing form, they may eventually be used to treat AIDS patients in the hope that the non-lethal forms might outcompete the killing variety for helper T cells. Studies are already underway to determine whether or not these mutants can outcompete the killing virus in cultured T cells. "If this were any other virus, this would be the perfect vaccine," Ratner says. "It replicates, but doesn't kill. It's an attenuated virus just like everyone gets vaccinated with for polio."

Although mutants of the virus may be used to help people who already have AIDS, they will probably never be used as a vaccine for non-infected patients. "The problem with this class of viruses is that they get converted into DNA forms, which go into your chromosomes and stay there forever," Ratner says. A live retrovirus will probably never be of any use as a vaccine, because it could damage normal genes. "Whether it actually would or not, we don't know," Ratner says. "But it's too dangerous to take a chance."

Even more important than any clinical role they may play, Ratner's mutants have provided AIDS researchers with a powerful new tool for learning exactly how the AIDS virus kills the T cell.

"What we have is a mutant virus and a wild type virus — both of which grow well — and yet one kills, and one doesn't. Now we'll be able to separate out the effects of virus replication alone from that of cell killing, by comparing the effects of our killing variety virus to our new mutant virus," Ratner says.

More specifically, Ratner and his colleagues are using the mutant virus/killing virus comparison to look for cellular proteins that might be involved in cell killing. "There are a number of proteins — some that we know about and probably, some that we don't know about — that are made by lymphocytes and kill lymphocytes," Ratner says.

Ratner speculates that if researchers could identify such a cellular protein, they would eventually be able to engineer a drug that interferes with the production of that protein. "Our major goal is not to sort through the chemistry shelf for drugs that inhibit viral replication," he says. "Rather, by learning what structures are involved in killing lymphocytes, we'll have a way to actually design drugs based on those structures."

A former research fellow under Gallo at the NCI, Ratner has made several substantial contributions to frontline AIDS research. He was one of 19 individuals responsible for initially cracking the virus' genetic code, and one of the first researchers to produce its biologically active molecular clone.

Although he works closely with the virus, Ratner is not worried about catching AIDS. "All of the evidence suggests that the way we work with the virus is very safe," he says. "Nobody who's ever worked in an AIDS research lab has ever developed antibodies to the virus."

In the long run, man's battle with AIDS may actually serve to sharpen his mind for the larger war against microbes. "I think we're going to get a lot of information about virology in general from this, because there's never been this kind of intense research on one virus," Ratner says. "More has been done in the last two years on this virus than has been done in the last 40 years on the polio virus. By studying one virus extremely intensely, we're actually learning more about the basic biology of all viruses."

Kathy Will

Whitaker Foundation awards gift to medical school

The Department of Biological Chemistry at the School of Medicine has received a $140,000 gift from the Whitaker Charitable Foundation. The gift is part of The Alliance for Washington University fund-raising campaign.

The gift will be used to purchase a peptide synthesizer in the department's protein sequencing facility. This piece of equipment will serve as a companion instrument to the vapor phase protein sequencing system, which was purchased last year through a gift from the Whitaker Charitable Foundation.

William H. Danforth, chancellor of Washington University, says, "One of our greatest needs for continued progress in finding treatments for some of the dreaded diseases is financing the state-of-the-art equipment necessary to do basic biomedical research. We are especially pleased that the foundation and its trustee, Urban C. Bergbauer, are helping in this important work."

Peptides are fragments of proteins, explains Carl Frieden, Ph.D., professor and interim head of the biological chemistry department. Many peptides are biologically active and serve as hormones or messengers within the body, he adds.

"This new ability to synthesize peptides effectively has opened up many research possibilities," Frieden says. "With this new instrument we can synthesize peptides against which antibodies could be prepared and targeted to specific malignant cells and not to other cells."

The Whitaker Foundation was founded in 1975 by the late Mac M. Whitaker in honor of Mr. and Mrs. Lyndon C. Whitaker. The foundation provides grants to medical research institutions, cultural programs, hospitals and youth agencies, and supports the Protestant Church.
Researchers to find causes of shortness

The National Institute of Child Health and Human Development has awarded a $2 million grant to Washington University for a four-year study of still-undetermined causes of deficient human growth.

The work will be directed by a team of Children's Hospital and Washington University School of Medicine researchers — by Dennis M. Bier, M.D., co-director of the Division of Endocrinology and Metabolism at Children's Hospital and professor of pediatrics at Washington University School of Medicine.

About three percent of all children are considered to have a growth deficiency at a degree that requires medical investigation for a possible cause, Bier said.

"The purpose of the grant is to identify new causes of growth failure in children. Only a small percentage of children who come into a physician's office, probably less than 10 percent, have definable endocrine causes of growth failure. The growth hormone or thyroid hormone deficiency. Most short children are short for reasons we don't understand," he said.

Other members of the study team at Washington University will be: E. David Dallmann, M.D., the Irene E. and Michael M. Karl Professor of Medicine in Metabolism at the School of Medicine; Shepherd E. Tollefsen, M.D., assistant professor of pediatrics; James R. Underhill, M.D., associate professor of medicine; Peter S. Rotwein, M.D., assistant professor of medicine; David Dempster, fellow in pediatric endocrinology; and Nancy Duncan, R.N., P.N.P.

The history of medicine in growth failure research stretches over a quarter of a century, Bier said. "Dr. Dallmann's mentor, James P. Gish, is the principal mediator of growth hormone action. The first radioimmunoassay, or measurement, of growth hormone in blood was de- veloped at this University in 1962.

Some of the first children in the world treated with growth hormone were treated here from about 1962 on, prior to the National Institute of Health program for the same pur- pose.

From 300 to 400 new children are evaluated at the hospital each year for short stature. About 70 percent are on some kind of growth hormone treatment with growth hormone.

Many short patients produce near-normal levels of growth hor- mone, but their growth hormone structure is abnormal or they have defects in growth hormone mediators or the tissues which normally re- spond to the hormone. The center has rare technical capabilities to mea- sure growth hormone and somato- median genes, structure and action in the body, and to assess the ability of the patient's cells to respond to these hormones, Bier said.

About 50 children a year will re- ceive free growth hormone treat- ment, usually costing $8,000 to $10,000 annually, for six to 12 months as part of the research work. This growth hormone will be pro- duced through recombinant DNA technology.

The center's intention is to determine on a scientific basis how many chil- dren might respond to long-term growth hormone treatment by assess- ing their short-term response in a de- fined clinical setting. We have tech- niques which will allow us to assess which children should retain body proteins when treated briefly with growth hormone. We expect by clinical measurements will allow us to pre- dict to some extent how they will re- spond to the hormone," Bier said.

Patti Nemeth to conduct studies with two NIH awards

Patti Nemeth, Ph.D., associate re- searcher of pathology and of anatomy and neurobiology at the Washington University School of Medicine, has been awarded over $526,000 in two grants from the National Institutes of Health.

The first award is from the Na- tional Institute of Neurological Disorders and Stroke. The second was the National Center of Excellence in Neurology and Neurosurgery.

"We hope that we can reproduce and extend our early findings from work progress from 278 to 1400 patients studywide," says Julio V. Santiago, M.D., professor of pediatrics and a principal investigator for the study at Washington University. "If we can prevent the early complications of diabetes with high intensity forms of treatment, we can proceed to offer this type of treatment to more people."

"We must be between the ages of 13 and 39, and have been taking in- sulin for more than one year but less than 15 years. Patients accepted into the study will receive their diabetes care from diabetes specialists at the Washington University Medical Cen- ter. All care and all management sup- plies will be provided free of charge. Included are frequent evaluations of kidney, nerve and cardiac function as well as periodic physical examinations and a 24-hour hotline for advice or help in diabetes and general medical management."

St. Louis Science Center features women in medicine exhibit and events

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The fall season at the Science Cen- ter-Forest Park includes exhibits and events of particular interest to the medical community. The focus of in- terest will be the exhibit in the main gallery entitled "Send Us A Lady Physician: Women Doctors In America, 1835-1920."

Originally designed at the New York Academy of Med- icine with excellent reviews in The New York Times, the show chroni- cles the early struggles of women to gain a foothold in the field of medicine.

On Saturday, Nov. 8, from 2 to 4 p.m., a panel of currently practicing women physicians from St. Louis will be presented in the Mound Auditor- ium at the Washington University School of Medicine. The physicians, who will discuss their choices and education, will include Wash- ington University Medical Center doc- tors, Kenneth M. Ludmerer, M.D., associate professor of medicine; Kreuser, Helen Nash, Mary Beth Pereira, Margaret Rich and Carol Wil- liams, M.D., associate professor. St. Louis Western, M.D., will represent St. Louis University's medical staff. Ken- neth M. Ludmerer, M.D., a physician with appointments in Washington University's history department as well as the Department of Medicine, will give a brief historic overview of women in medicine.

A lecture on the history of St. Louis women physicians will be given at the Missouri Historical Soci- ety at 2 p.m. Nov. 16 by Martha Cla- venger, a staff member. Gordon E. Damann, M.D., an expert on 19th century medical instruments and Civil War medicine, will speak at 2 p.m. Nov. 22 in the Education Class- room of the Science Center head- quarters, 5050 Oakland Ave. On Dec. 6, 1986, at 2 p.m., the Science Center staff will conduct a holiday science open house focusing on curious and antique in- struments in the Science Center med- ical collections, will be led by Sci- ence Center staff, again at 2 p.m. in the Education Classroom.

All these events are supported by a Missouri Committee on the Humanities grant. The events are open to the public at no charge, as is the ex- hibit, which will be on display from Nov. 1 until Jan. 1987. For more hours and other questions, the Sci- ence Center may be reached at 289-4400.

School of Medicine receives funds to continue diabetes research

Washington University School of Medicine has been awarded an eight-year grant totaling $2.5 million to continue with the Diabetes Control and Complications Trial.

Washington University is one of 27 diabetes research centers in North America participating in the study, funded by the National Insti- tutes of Health. The trial is designed to determine whether highly in- tensive treatment of diabetes can pre- vent or stop the progression of the early eye, kidney and nerve damage that commonly occurs in patients with insulin dependent diabetes. In the study, phase of the study, re- searchers learned that differences in blood glucose can be obtained safely using intensive forms of diabetes treatment.

"We can hope that we can reproduce and extend our early findings from work progress from 278 to 1400 patients studywide," says Julio V. Santiago, M.D., professor of pediatrics and a principal investigator for the study at Washington University. "If we can prevent the early complications of diabetes with high intensity forms of treatment, we can proceed to offer this type of treatment to more people."

"Right now we simply don't know if patients really benefit from this form of treatment," explains Santiago. "Other studies have been too short or too small to show any definite benefits in terms of eyesight, kidney function or nerve damage."

To participate in the study, pa- tients must be between the ages of 13 and 39, and have been taking in- sulin for more than one year but less than 15 years. Patients accepted into the study will receive their diabetes care from diabetes specialists at the Washington University Medical Cen- ter. All care and all management sup- plies will be provided free of charge. Included are frequent evaluations of eye, kidney, nerve and cardiac function as well as periodic physical examinations and a 24-hour "hot- line" for advice or help in diabetes and general medical management."

Persons interested in more in- formation should call the Washington University Diabetes Control and Complications office at 454-6025.
Physicist receives research contract

James A. Purdy, Ph.D., professor and chief of the Physics Section in the Division of Radiation Oncology at Mallinckrodt Institute of Radiology, was recently awarded a $560,000 research contract from the National Cancer Institute.

The contract is part of a multi-institutional effort to develop criteria, guidelines and methodology for the performance and sponsoring institution of on-treatment planning for electron beam therapy.

With researchers from the University of Michigan and the M.D. Anderson Hospital and Tumor Institute, Purdy’s research group will evaluate the capability of treatment planning using electron beam dose distributions predicted from existing patient image databases. The collaboration will also enhance delivery systems, improve image processing and computerized treatment planning systems.

Purdy and his co-investigators at Mallinckrodt, William Harms, Russell Gerber, John Wong, Ph.D., Robert Dzydzala, Ph.D., and Bahnam Emami, M.D. along with John Matthews, D.Sc., of the Institute for Biomedical Computing at Washington University, and computer scientists Ken Krippner and P. K. Ramchandar with Computerized Medical Systems, Inc., a St. Louis-based company, have developed a computerized treatment planning system that can perform dose calculations for individual patients based on a three-dimensional view of the body.

The system utilizes anatomical detail and tissue density information provided by computed tomography (CT) and makes use of high-speed numerical processing and real-time display capabilities. That work is entering its final stages and the results will be published at the end of 1987.

Logan studies wrist function with Whittaker grant support

Samuel E. Logan, M.D., Ph.D., assistant professor of plastic and reconstructive surgery at Washington University School of Medicine, has received a grant from the Whittaker Foundation to support his research on wrist function.

The three-year grant totals $150,000, and will enable Logan to continue investigating the complex anatomy of the wrist. In the future, he hopes to evaluate wrist failure following repairs and improve wrist prostheses.

Logan’s research also will aid in the collaboration among a number of investigators in the Division of Plastic Surgery and Miller-Abbott Institute, the M.D. Anderson pro- fessor of radiology at the Mallinckrodt Institute of Radiology, a sponsoring institution of the Washington University Medical Center.

The Whittaker Foundation supports medical research projects involving innovative use of engineering techniques or principles. Logan, who earned a doctorate in engineering in 1972 from the California Institute of Technology in Pasadena, is assistant professor of mechanical engineering at Washington University School of Engineering and Applied Science. He is also on staff at Barnes Hospital, a sponsoring institution of the Washington University Medical Center.

Logan received his medical degree from the University of California at Los Angeles in 1976, where he also completed a residency in surgery. He joined Washington University in 1980 after serving as a senior resident in plastic and reconstructive surgery at the University of California at San Francisco.

Logan belongs to numerous professional societies, including the American Society for Ophthalmic Ultrasound, St. Louis Ophthalmological Society, St. Louis Ophthalmological Society, and the American Academy of Ophthalmology.

Sessions is medical alumni president

Richard Escoffery, M.D., was named assistant professor of audiology at the University in 1984 after serving as a clinical audiologist at the University of Nebraska-Lincoln and as assistant professor of audiology at the University of Nebraska-Omaha. He has held assistant professorships at the University of Nebraska-Lincoln and at Central Missouri State University in Warrensburg.

Valente given audiology appointment

Washington University School of Medicine has named Michael Valente, Ph.D., director of audiology at Barnes Hospital, a sponsoring institution of the Washington University Medical Center.

Valente will also serve as director of audiology at the West County ENT Associates office and as assistant clinical professor in the Department of Otolaryngology at the School of Medicine.

Valente came to Washington University from Columbia, where he served as assistant professor of audiology at the University of Missouri. Before that, he served as coor- dinator of the audiology clinic at the Veterans Administration Medical Cen-

Burgess, Escoffery elected to membership in retina society

Two Washington University ophthalmologists have been elected to membership in The Retina Society, a national honorary organization for retina specialists.

Dean B. Burgess, M.D., and Richard F. Escoffery, M.D., professors of clinical ophthalmology at Washington University, were chosen this year for their medical and surgical experience, literary contributions and retinal expertise.

The society was founded in 1968 to encourage the exchange of informa-
tion about diseases of the retina, the sensory membrane that lines the in-
ner.

Both ophthalmologists are in private practice with Retina Consultants, Ltd., in St. Louis. Burgess is on staff at Barnes Hospital and Escoffery is on staff at Barnes and Children’s hospitals, sponsoring institutions of the Washington University Medical Center.

Burgess joined Washington Uni-
versity in 1973 as a retina fellow in the Department of Ophthalmology.

He was named an assistant clinical ophthalmologist in the Department of Ophthalmology in 1975 and became an assistant clinical professor in 1978.

Burgess completed his internship at Jefferson Medical College Hospital in Philadelphia, and his residency in ophthalmology at the University of California School of Medicine in San Francisco. He received his medical degree in 1967 from the University of California School of Medicine in San Francisco.

Burgess is a member of various professional organizations, including the American Academy of Ophthalmology and Otolaryngology, American Medical Association, Macula Society, St. Louis Ophthalmological Society and the Missouri Oph-
thalmo logic Society.

Escoffery also joined Washington University in 1973 as a retina fellow. He was named instructor in clinical ophthalmology in 1974 and became assistant clinical professor in 1979.

He served his internship at Vic-
toria Hospital, London, Ontario, Canada, and completed his residency in ophthalmology at the University of Western Ontario, London, Canada.

Escoffery received his medical degree from the University of West Indies Medical School in 1969.

The medical organizations to which he belongs include the American Medical Association, International Society for Ophthalmic Ultrasound, St. Louis Ophthalmological Society, and the American Academy of Ophthal-

Escoffery is co-author of nearly 25 publications on ophthalmic research.

Sessions is medical alumni president

Donald G. Sessions, M.D., has been named president of the Washington University Medical Center Alumni Association.

Sessions, an expert on the sur-
gical treatment of head and neck cancers, is professor of otorhinolaryngology at Washington University School of Medicine.

He is also director of resident training for the otorhinolaryngology department.

Sessions graduated from the School of Medicine in 1962. After completing an internship and resi-
dency in surgery at Vanderbilt Hos-
ital in Nashville, Tenn., he returned to Washington University for a resi-
dency in otorhinolaryngology. Following military service at the U.S. Air Force Hospital in Anchorage, Alaska, he was named assistant professor of otolaryngology at Washington Univer-
sity.

Sessions is on staff at Barnes, Children’s and Jewish hospitals, sponsoring institutions of the med-
cal center. He is a member of a num-

Sessions has received numerous journal articles in his field and is the author of a textbook, Atlas of Laryngeal Surgery. Sessions has a special inter-
test in well-being and the doc-
tor-patient relationship and is cur-
rently doing research in this area.

Cancer research grants available

Washington University scientists con-
thuct cancer research can apply now for up to $7,500 in funding for a one-year period.

Grants are being allocated through a $40,000 Institutional Re-
search Grant awarded to Washington University by the American Cancer Society to help finance promising new cancer research projects by university investigators. The American Cancer Society University is a major center for cancer research.

The committee responsible for allocating funds is chosen by William H. Danforth, chancellor of Washington University, and currently a

Chairman David W. Scharp, M.D., associate professor of surgery. Scharp is on staff at Barnes and Children’s hospitals, sponsoring institutions of the Washington University Medical Center.

Although researchers throughout the university are eligible to apply for the funding, most recipients have come from the medical school. Many have received additional funding for their projects from the American Cancer Society.

Additional information is avail-
able from Scharp at campus box 8109 or by calling 562-8520.
Harvey R. Colten, M.D., professor and head of the Department of Pediatrics, recently lectured at the 600th anniversary celebration of the University of West Germany. Colten, who joined the University of Illinois at Urbana-Champaign's faculty in 1966, lectured on the state of child welfare services in the United States and the need for improved research.

Garry W. Davis, Ph.D., visiting assistant professor of German, recently read a paper at the Second Symposium for Germanic Linguistics at the University of Illinois at Urbana-Champaign. The paper was titled "The Origin of the Dutch Dutch suffix -ster." Davis, who is a specialist in Germanic linguistics, focused on the development of the suffix -ster in Dutch.

David John D. Davidoff, M.D., assistant professor of obstetrics and gynecology, has been invited to present a paper titled "The Legacies of Avant Garde Policies and Clinical and Management Liberalism" at the first China International Symposium on Hyperbaric Medicine. He presented a paper, "Clinical Experience With Transcutaneous Tissue Oxygen Measurements in Non-healing Wounds" and "Serial Magnetic Resonance Imaging of the Brain in Multiple Sclerosis Treated With Hyperbaric Oxygen: A Randomized Placebo-Controlled Double-Blind Study." Beginning this month, Wu-Lar Lin, a cardiac surgeon from the Fujian Provincial Cardiovascular Research Institute in Fuzhou, China, will spend the next year learning more about the latest developments in cardiology and hyperbaric medicine as a visiting professor at Washington University.

Iain Fraser, associate professor of architecture, and Rod Hennin, affiliate assistant professor of architecture, presented a paper titled "The Legacies of Architectural Drawing: Insights Revealed at the Regional Conference of the Association of Collegiate Schools of Architecture on Sept. 20 at Urbana, Ill." Fraser and Hennin, who are both specialists in the history of architecture, gave a presentation of their visual work, "Hommage to Foucault," at the same conference.

NEUROSCIENTISTS

Social work school receives grants

The George Warren Brown School of Social Work has received funding for two child welfare grants from the Office of Human Development Services of the Department of Health and Human Services.

One grant provides 10 scholarships for Missouri Division of Family Services' staff to study part time in the school's master's degree program. The other grant provides management training assistance for 220 child welfare supervisors employed by the Missouri Division of Family Services.

The social work school is receiving $160,000 from the Missouri Dental Board to support a program aimed at reducing dental decay and to increase the number of dental hygienists.

Raymond L. Williams, Ph.D., associate professor of Spanish, was awarded an honorary degree at the third annual conference of the Association of North American Colombians, held at the Pontifícia Universidade Externato in Bogota, Colombia. Williams also lectured at the conference, which attracted more than 400 people. In his lecture, "La literatura y la literatura colombiana," Williams is editor of the association's Revista de Estudios Colombianos, a twice-yearly journal that includes feature articles, notices of recent publications, book reviews of works of Colombian fiction and literary criticism. The first issue was published in June 1986.

Brigitte Wopenka, Ph.D., senior research scientist in the earth and planetary sciences department and the ExxonCGS Center for the Space Sciences, presented a talk on "Environmental Soil Science" at the 13th joint meeting of the Federation of Analytical Chemistry and Spectroscopy Societies in St. Louis.

Have you done something noteworthy?

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

Caution should be used regarding lasers "scalpels," urges geologist Bohigian, M.D., associate professor of clinical ophthalmology, in an Aug. 19 article from the Atlanta Journal-Constitution. "The laser has so captivated the public's attention that anything with the word 'laser' means high technology...the perfect solution to their problems. But the laser is just another technology, it has to be used appropriately. The proliferation of lasers has not been matched by increased regulations on their use."

"There are two worlds among women of the New Right, two worlds rooted in different realities," says Rebecca Klatich, Ph.D., professor of sociology. Klatich was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work and the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15. Klatich, who is a senior research associate in the Division of Family Services and the Division of Social Work, was profiled in an extensive article by the New York Times on Oct. 15.

William Gass, voice of the Midwest, is the title of a five-page feature/interview, entirely in Spanish, that was published in the Sept. 15 issue of the Spanish-language newspaper El Sol in Houston. The purpose of Gass's book is to accumulate and explain for general readers the wealth of experimental data that have been gathered since 1960 that support the general theory of relativity, which Einstein proposed in 1915 and put before the world the following year. The publisher is Basic Books Inc.
Thursday, Nov. 6

8:30 a.m. Administrative Staff Meeting

Panel Discussion, "Students of the 90s: Changing Perspectives, Changing Needs.

Simon Hall Aud.


4 p.m. Dept. of Chemistry Seminar, "Gelation at the 3D/4D Interface: Proteins and Polymers From 2-D NMR Data.", Braun Reid, prof. of chemistry. U. of Washington-Seattle.


8 p.m. Dept. of Germanic Languages and Literatures Lecture Series, "Der Kampf der Frau.

9:30 p.m. WU Filmboard Series, "The Lost Honor of Katharina Blum.", 215 Rebstock. (Also Thurs., Nov. 12, same times. Brown.)


11:30 p.m. School of Fine Arts Recitals, "The Edge of the World,

Monday, Nov. 10

3 p.m. Women's Studies Program Colloquium, "A New Generation of Students Teach: Women Role Models in Life and Literature.

8 p.m. WU Filmboard Series, "L'Homme qui ment.", Brown Hall. (Also Tues., Nov. 11, same times. Brown.)

Tuesday, Nov. 11

4 p.m. Jewish and Near Eastern Studies Program Colloquium, "Homeland or Holy Land? The 'Cantain' Critique of Israel.", Rabbi James S. Diamond, WU lecturer in modern Hebrew literature and Jewish history. Modern Hebrew Literature and Jewish Thought and David B. Asch, assoc. prof. of English. Also sponsored by the St. Louis Jewish Fraternal Order of United Hebrews.

6 p.m. Dept. of Art and Archaeology Lecture, "Unraveling Homer's Iliad. The Third Season at Aetos.", Saranta Symeonou, WU prof. of art history. Also sponsored by the St. Louis Society of the Archaeological Institute of America. Steinberg Aud.

6 p.m. Dept. of Germanic Languages and Literatures and Germanic Institute of America Lecture, "Wittgenstein's Legacy.", Fritz H. Delius, WU prof. of German and Christian Delius, West German author and writer-in-residence in New York U. Hunt Lounge, Duncker Hall.

Wednesday, Nov. 12

11 a.m. Alfred Frankenstein Memorial Lecture, "Interpreted Reading: How Men Have

The Washington University swimming and diving season begins Friday, Nov. 7, with a meet against Millikin University, Rockford College and Butler University. The meet inaugurates a new program of selecting administrators, professors and alumni as honorary coaches at home events. W. Maxwell College, president and executive vice chancellor, will serve as honorary coach of the men's meet. "We want to involve alumni on campus to the sport, and in turn, give the swimmers and divers encouragement by having some very important people around to cheer them on," says head coach Martha Tillman. The Nov. 7 meet begins at 2 p.m. at the University's Millstone Pool.

Friday, Nov. 7

7 p.m. Men's and Women's Swimming and Diving, WU vs. Millikin U., Rockford College and Butler U. Millstone Pool.

Saturday, Nov. 8

11 a.m. Men's and Women's Swimming, WU vs. Millikin U. Millstone Pool.

Friday, Nov. 14

4:30 p.m. Men's and Women's Swimming and Diving, WU vs. St. Louis U. Millstone Pool.

Saturday, Nov. 15

1 p.m. Men's Swimming, WU vs. Millipolls College. Francis Field.

1:30 p.m. Men's and Women's Swimming and Diving, WU vs. MacMurray College and University of Missouri at St. Louis. Millstone Pool.

Friday, Nov. 17

7 p.m. Latin America Forum Series, "Nicaragua: A Video 'Sing the Mountain, Weep the Cage.'" will be shown. Lambert Lounge, McClurkan Center.

Saturday, Nov. 8

9 a.m.-noon. University College Workshop, "Changing Jobs — Changing Careers.", Ellen G. Miller, career counselor. WU Career Center. Three consecutive Saturdays until Nov. 22. $50 registration fee. For class location and registration info., call 889-6788.

Thursday, Nov. 13

1-2:30 p.m. University College Short Course, "Thucydides, 'Tragedy and the Death of the Past.", George Peppe, WU prof. of classics. (Also Nov. 20, Dec. 4 and 11) $45 registration fee. For location and registration info., call 889-6759.

5:30 p.m. Thursday Night Soup Kitchen Soup Cafe and Deli at Hillel House, 6308 Forsyth Blvd. Students will provide the music. Cost for sandwiches is $2.50. For more info, call 726-6477.

Friday, Nov. 14

5:30 p.m. Newman Center Retreat at Rockhaven in House Springs, Mo. (Continues through Sun., Nov. 16, until 5 p.m.) Cost is $20. Reservations are required. To make reservations or for more info., call Sister Mary Pfeiffer at 725-1858.

Calendar Deadline

The deadline to submit items for the Nov. 15-22 calendar of the Washington University Record is Nov. 6. 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's name and identification and the title of the event also include your name and telephone number. Address items to King McElrill, calendar editor. Box 1070.